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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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- Imports by country of origin
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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 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]	**392,526**	**– –**	**– –**	**200,556**	**16,785**	**-8,419**	**500,819**	**117,467**	**0**	**815,186**
Hydrocarbon Gas Liquids	**197,645**	**-733**	**26,120**	**3,992**	**– –**	**19,072**	**16,329**	**74,811**	**116,812**	**207,021**
Natural Gas Liquids	197,645	-733	17,667	3,415	– –	19,026	16,329	74,811	107,828	205,311
Ethane	81,371	– –	116	–	– –	-2,480	– –	14,340	69,627	54,244
Propane	61,358	– –	8,921	2,044	– –	10,313	– –	45,863	16,147	71,047
Normal Butane	18,604	–	8,847	1,127	– –	10,351	1,808	12,664	3,755	44,545
Isobutane	13,827	–	-217	239	– –	1,165	7,344	181	5,159	13,883
Natural Gasoline	22,485	-733	– –	5	– –	-323	7,177	1,763	13,140	21,592
Refinery Olefins	– –	– –	8,453	577	– –	46	– –	– –	8,984	1,710
Ethylene	– –	– –	8	–	– –	0	– –	– –	8	0
Propylene	– –	– –	7,945	483	– –	-132	– –	– –	8,560	1,147
Normal Butylene	– –	– –	500	94	– –	178	– –	– –	416	563
Isobutylene	– –	– –	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**40,680**	**– –**	**37,526**	**13,237**	**-7,603**	**74,174**	**16,608**	**8,264**	**325,264**
Hydrogen/Biofuels/Other Hydrocarbons	– –	40,680	– –	1,981	6,333	-1,843	37,734	3,462	9,642	31,478
Hydrogen	– –	– –	– –	–	6,915	– –	6,915	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	40,680	– –	1,981	-597	-1,832	30,793	3,462	9,642	31,465
Fuel Ethanol[5]	– –	31,016	– –	–	-597	-975	28,690	2,704	0	23,110
Biofuels (excluding Fuel Ethanol)	– –	9,664	– –	1,981	– –	-857	2,103	757	9,642	8,355
Biodiesel	– –	3,722	– –	832	– –	-433	1,563	757	2,667	4,413
Renewable Diesel Fuel	– –	5,377	– –	1,149	– –	-397	408	NA	6,515	3,638
Other Biofuels[6]	– –	565	– –	–	– –	-27	132	NA	460	304
Other Hydrocarbons	– –	– –	– –	–	15	-11	26	–	0	13
Unfinished Oils	– –	– –	– –	15,091	– –	-2,967	8,865	10,555	-1,362	88,653
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	20,454	6,904	-2,797	27,563	2,591	0	205,095
Reformulated	– –	0	– –	4,961	5,141	1,218	8,833	51	0	48,023
Conventional	– –	0	– –	15,493	1,763	-4,015	18,730	2,541	0	157,072
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	4	12	–	-16	38
Finished Petroleum Products	**– –**	**224**	**594,464**	**23,049**	**-6,307**	**2,129**	**– –**	**90,335**	**518,967**	**266,892**
Finished Motor Gasoline	– –	217	305,939	6,204	-6,307	1,319	– –	22,483	282,251	17,018
Reformulated	– –	–	94,842	–	-3,661	-4	– –	–	91,185	22
Conventional	– –	217	211,097	6,204	-2,646	1,323	– –	22,483	191,066	16,996
Finished Aviation Gasoline	– –	– –	303	10	– –	-119	– –	–	432	1,025
Kerosene-Type Jet Fuel	– –	10	52,406	4,733	– –	1,324	– –	3,957	51,867	42,494
Kerosene	– –	0	586	20	– –	140	– –	14	452	1,211
Distillate Fuel Oil[5]	– –	-3	153,957	5,214	– –	1,079	– –	36,266	121,824	113,140
15 ppm sulfur and under	– –	-2	147,007	5,200	– –	875	– –	30,813	120,517	102,763
Greater than 15 ppm to 500 ppm sulfur	– –	0	4,772	11	– –	778	– –	3,949	56	2,980
Greater than 500 ppm sulfur	– –	0	2,178	3	– –	-574	– –	1,504	1,251	7,397
Residual Fuel Oil	– –	– –	8,611	2,683	– –	715	– –	3,674	6,905	32,788
Less than 0.31 percent sulfur	– –	– –	1,225	–	– –	119	– –	NA	NA	3,489
0.31 to 1.00 percent sulfur	– –	– –	2,546	221	– –	-83	– –	NA	NA	8,018
Greater than 1.00 percent sulfur	– –	– –	4,840	2,462	– –	679	– –	NA	NA	21,281
Petrochemical Feedstocks	– –	– –	7,152	903	– –	-168	– –	617	7,606	2,509
Naphtha for Petro. Feed. Use	– –	– –	4,016	704	– –	-150	– –	–	4,870	1,895
Other Oils for Petro. Feed. Use	– –	– –	3,136	199	– –	-18	– –	617	2,736	614
Special Naphthas	– –	– –	879	453	– –	115	– –	–	1,217	1,168
Lubricants	– –	– –	5,058	1,488	– –	-554	– –	4,088	3,012	12,487
Waxes	– –	– –	159	123	– –	53	– –	128	101	698
Petroleum Coke	– –	– –	24,772	32	– –	-831	– –	18,672	6,963	6,987
Marketable	– –	– –	18,974	32	– –	-831	– –	18,672	1,165	6,987
Catalyst	– –	– –	5,798	– –	– –	– –	– –	– –	5,798	– –
Asphalt and Road Oil	– –	– –	10,650	1,186	– –	-1,096	– –	346	12,586	34,398
Still Gas	– –	– –	21,183	– –	– –	– –	– –	– –	21,183	– –
Miscellaneous Products	– –	– –	2,809	–	– –	152	– –	89	2,568	969
Total	**590,171**	**40,172**	**620,584**	**265,123**	**23,715**	**5,178**	**591,322**	**299,222**	**644,043**	**1,614,363**

– – = 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-May 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]	**1,909,241**	**– –**	**– –**	**960,825**	**92,667**	**13,595**	**2,341,507**	**607,631**	**0**	**815,186**
Hydrocarbon Gas Liquids	**929,673**	**-3,491**	**92,278**	**27,899**	**– –**	**-4,063**	**97,371**	**395,031**	**558,020**	**207,021**
Natural Gas Liquids	929,673	-3,491	55,040	25,102	– –	-3,900	97,371	395,031	517,822	205,311
Ethane	386,510	– –	770	–	– –	698	– –	73,890	312,692	54,244
Propane	290,132	– –	41,916	18,670	– –	-5,507	– –	230,998	125,227	71,047
Normal Butane	84,244	–	14,029	5,185	– –	2,795	29,572	69,974	1,117	44,545
Isobutane	67,827	–	-1,675	1,228	– –	1,675	34,693	655	30,357	13,883
Natural Gasoline	100,960	-3,491	– –	19	– –	-3,561	33,106	19,515	48,429	21,592
Refinery Olefins	– –	– –	37,238	2,797	– –	-163	– –	– –	40,198	1,710
Ethylene	– –	– –	27	–	– –	0	– –	– –	27	0
Propylene	– –	– –	36,997	2,240	– –	-191	– –	– –	39,428	1,147
Normal Butylene	– –	– –	190	557	– –	44	– –	– –	703	563
Isobutylene	– –	– –	24	–	– –	-16	– –	– –	40	0
Other Liquids	**– –**	**191,869**	**– –**	**179,601**	**30,465**	**466**	**289,197**	**70,194**	**42,078**	**325,264**
Hydrogen/Biofuels/Other Hydrocarbons	– –	191,874	– –	8,179	27,019	-245	174,486	16,442	36,389	31,478
Hydrogen	– –	– –	– –	–	31,102	– –	31,102	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	191,874	– –	8,164	-4,125	-248	143,330	16,442	36,389	31,465
Fuel Ethanol[5]	– –	150,284	– –	–	-4,125	-1,316	133,318	14,157	0	23,110
Biofuels (excluding Fuel Ethanol)	– –	41,589	– –	8,164	– –	1,067	10,012	2,285	36,389	8,355
Biodiesel	– –	16,293	– –	4,630	– –	814	7,034	2,285	10,790	4,413
Renewable Diesel Fuel	– –	22,652	– –	3,534	– –	232	1,969	NA	23,984	3,638
Other Biofuels[6]	– –	2,645	– –	–	– –	22	1,009	NA	1,615	304
Other Hydrocarbons	– –	– –	– –	15	42	3	54	–	0	13
Unfinished Oils	– –	– –	– –	82,672	– –	2,508	30,196	44,223	5,745	88,653
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	-5	– –	88,750	3,446	-1,802	84,465	9,529	0	205,095
Reformulated	– –	-1	– –	22,543	47,892	2,512	67,696	226	0	48,023
Conventional	– –	-4	– –	66,207	-44,445	-4,314	16,769	9,302	0	157,072
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	5	50	–	-55	38
Finished Petroleum Products	**– –**	**962**	**2,782,444**	**115,660**	**679**	**10,701**	**– –**	**432,163**	**2,456,882**	**266,892**
Finished Motor Gasoline	– –	948	1,431,497	19,106	679	-394	– –	120,510	1,332,114	17,018
Reformulated	– –	–	445,078	–	-40,214	2	– –	–	404,862	22
Conventional	– –	948	986,419	19,106	40,893	-396	– –	120,510	927,252	16,996
Finished Aviation Gasoline	– –	– –	1,246	48	– –	-281	– –	–	1,575	1,025
Kerosene-Type Jet Fuel	– –	26	249,662	22,208	– –	7,455	– –	24,966	239,475	42,494
Kerosene	– –	0	1,721	524	– –	-917	– –	605	2,557	1,211
Distillate Fuel Oil[5]	– –	-12	719,191	31,590	– –	-5,669	– –	156,951	599,488	113,140
15 ppm sulfur and under	– –	-12	685,950	31,375	– –	-5,890	– –	132,641	590,562	102,763
Greater than 15 ppm to 500 ppm sulfur	– –	0	17,873	31	– –	481	– –	15,201	2,222	2,980
Greater than 500 ppm sulfur	– –	0	15,368	184	– –	-260	– –	9,108	6,704	7,397
Residual Fuel Oil	– –	– –	41,624	19,617	– –	2,049	– –	20,486	38,706	32,788
Less than 0.31 percent sulfur	– –	– –	6,587	1,627	– –	709	– –	NA	NA	3,489
0.31 to 1.00 percent sulfur	– –	– –	13,280	4,826	– –	1,847	– –	NA	NA	8,018
Greater than 1.00 percent sulfur	– –	– –	21,757	13,164	– –	-507	– –	NA	NA	21,281
Petrochemical Feedstocks	– –	– –	34,157	3,109	– –	121	– –	4,518	32,627	2,509
Naphtha for Petro. Feed. Use	– –	– –	19,526	2,146	– –	112	– –	–	21,560	1,895
Other Oils for Petro. Feed. Use	– –	– –	14,631	963	– –	9	– –	4,518	11,067	614
Special Naphthas	– –	– –	4,370	2,438	– –	191	– –	–	6,617	1,168
Lubricants	– –	– –	22,518	7,120	– –	-860	– –	16,427	14,071	12,487
Waxes	– –	– –	708	593	– –	97	– –	630	574	698
Petroleum Coke	– –	– –	118,506	1,216	– –	113	– –	83,872	35,737	6,987
Marketable	– –	– –	90,733	1,216	– –	113	– –	83,872	7,964	6,987
Catalyst	– –	– –	27,773	– –	– –	– –	– –	– –	27,773	– –
Asphalt and Road Oil	– –	– –	47,702	8,091	– –	8,722	– –	2,779	44,292	34,398
Still Gas	– –	– –	96,568	– –	– –	– –	– –	– –	96,568	– –
Miscellaneous Products	– –	– –	12,974	–	– –	74	– –	419	12,481	969
Total	**2,838,914**	**189,340**	**2,874,722**	**1,283,985**	**123,811**	**20,698**	**2,728,075**	**1,505,018**	**3,056,980**	**1,614,363**

– – = 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, May 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]	**12,662**	**– –**	**– –**	**6,470**	**541**	**-272**	**16,155**	**3,789**	**0**
Hydrocarbon Gas Liquids	**6,376**	**-24**	**843**	**129**	**– –**	**615**	**527**	**2,413**	**3,768**
Natural Gas Liquids	6,376	-24	570	110	– –	614	527	2,413	3,478
Ethane	2,625	– –	4	–	– –	-80	– –	463	2,246
Propane	1,979	– –	288	66	– –	333	– –	1,479	521
Normal Butane	600	–	285	36	– –	334	58	409	121
Isobutane	446	–	-7	8	– –	38	237	6	166
Natural Gasoline	725	-24	– –	0	– –	-10	232	57	424
Refinery Olefins	– –	– –	273	19	– –	1	– –	– –	290
Ethylene	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	256	16	– –	-4	– –	– –	276
Normal Butylene	– –	– –	16	3	– –	6	– –	– –	13
Isobutylene	– –	– –	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,312**	**– –**	**1,211**	**427**	**-245**	**2,393**	**536**	**267**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,312	– –	64	204	-59	1,217	112	311
Hydrogen	– –	– –	– –	–	223	– –	223	– –	0
Biofuels (including Fuel Ethanol)	– –	1,312	– –	64	-19	-59	993	112	311
Fuel Ethanol[5]	– –	1,001	– –	–	-19	-31	925	87	0
Biofuels (excluding Fuel Ethanol)	– –	312	– –	64	– –	-28	68	24	311
Biodiesel	– –	120	– –	27	– –	-14	50	24	86
Renewable Diesel Fuel	– –	173	– –	37	– –	-13	13	NA	210
Other Biofuels[6]	– –	18	– –	–	– –	-1	4	NA	15
Other Hydrocarbons	– –	– –	– –	–	0	0	1	–	0
Unfinished Oils	– –	– –	– –	487	– –	-96	286	340	-44
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	660	223	-90	889	84	0
Reformulated	– –	0	– –	160	166	39	285	2	0
Conventional	– –	0	– –	500	57	-130	604	82	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	0	0	–	-1
Finished Petroleum Products	**– –**	**7**	**19,176**	**744**	**-203**	**69**	**– –**	**2,914**	**16,741**
Finished Motor Gasoline	– –	7	9,869	200	-203	43	– –	725	9,105
Reformulated	– –	–	3,059	–	-118	0	– –	–	2,941
Conventional	– –	7	6,810	200	-85	43	– –	725	6,163
Finished Aviation Gasoline	– –	– –	10	0	– –	-4	– –	–	14
Kerosene-Type Jet Fuel	– –	0	1,691	153	– –	43	– –	128	1,673
Kerosene	– –	0	19	1	– –	5	– –	0	15
Distillate Fuel Oil[5]	– –	0	4,966	168	– –	35	– –	1,170	3,930
15 ppm sulfur and under	– –	0	4,742	168	– –	28	– –	994	3,888
Greater than 15 ppm to 500 ppm sulfur	– –	0	154	0	– –	25	– –	127	2
Greater than 500 ppm sulfur	– –	0	70	0	– –	-19	– –	49	40
Residual Fuel Oil	– –	– –	278	87	– –	23	– –	119	223
Less than 0.31 percent sulfur	– –	– –	40	–	– –	4	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	82	7	– –	-3	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	156	79	– –	22	– –	NA	NA
Petrochemical Feedstocks	– –	– –	231	29	– –	-5	– –	20	245
Naphtha for Petro. Feed. Use	– –	– –	130	23	– –	-5	– –	–	157
Other Oils for Petro. Feed. Use	– –	– –	101	6	– –	-1	– –	20	88
Special Naphthas	– –	– –	28	15	– –	4	– –	–	39
Lubricants	– –	– –	163	48	– –	-18	– –	132	97
Waxes	– –	– –	5	4	– –	2	– –	4	3
Petroleum Coke	– –	– –	799	1	– –	-27	– –	602	225
Marketable	– –	– –	612	1	– –	-27	– –	602	38
Catalyst	– –	– –	187	– –	– –	– –	– –	– –	187
Asphalt and Road Oil	– –	– –	344	38	– –	-35	– –	11	406
Still Gas	– –	– –	683	– –	– –	– –	– –	– –	683
Miscellaneous Products	– –	– –	91	–	– –	5	– –	3	83
Total	**19,038**	**1,296**	**20,019**	**8,552**	**765**	**167**	**19,075**	**9,652**	**20,776**

– – = 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-May 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]	**12,644**	**– –**	**– –**	**6,363**	**614**	**90**	**15,507**	**4,024**	**0**
Hydrocarbon Gas Liquids	**6,157**	**-23**	**611**	**185**	**– –**	**-27**	**645**	**2,616**	**3,695**
Natural Gas Liquids	6,157	-23	365	166	– –	-26	645	2,616	3,429
Ethane	2,560	– –	5	–	– –	5	– –	489	2,071
Propane	1,921	– –	278	124	– –	-36	– –	1,530	829
Normal Butane	558	–	93	34	– –	19	196	463	7
Isobutane	449	–	-11	8	– –	11	230	4	201
Natural Gasoline	669	-23	– –	0	– –	-24	219	129	321
Refinery Olefins	– –	– –	247	19	– –	-1	– –	– –	266
Ethylene	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	245	15	– –	-1	– –	– –	261
Normal Butylene	– –	– –	1	4	– –	0	– –	– –	5
Isobutylene	– –	– –	0	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,271**	**– –**	**1,189**	**202**	**3**	**1,915**	**465**	**279**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,271	– –	54	179	-2	1,156	109	241
Hydrogen	– –	– –	– –	–	206	– –	206	– –	0
Biofuels (including Fuel Ethanol)	– –	1,271	– –	54	-27	-2	949	109	241
Fuel Ethanol[5]	– –	995	– –	–	-27	-9	883	94	0
Biofuels (excluding Fuel Ethanol)	– –	275	– –	54	– –	7	66	15	241
Biodiesel	– –	108	– –	31	– –	5	47	15	71
Renewable Diesel Fuel	– –	150	– –	23	– –	2	13	NA	159
Other Biofuels[6]	– –	18	– –	–	– –	0	7	NA	11
Other Hydrocarbons	– –	– –	– –	0	0	0	0	–	0
Unfinished Oils	– –	– –	– –	547	– –	17	200	293	38
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	588	23	-12	559	63	0
Reformulated	– –	0	– –	149	317	17	448	1	0
Conventional	– –	0	– –	438	-294	-29	111	62	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	0	0	–	0
Finished Petroleum Products	**– –**	**6**	**18,427**	**766**	**4**	**71**	**– –**	**2,862**	**16,271**
Finished Motor Gasoline	– –	6	9,480	127	4	-3	– –	798	8,822
Reformulated	– –	–	2,948	–	-266	0	– –	–	2,681
Conventional	– –	6	6,533	127	271	-3	– –	798	6,141
Finished Aviation Gasoline	– –	– –	8	0	– –	-2	– –	–	10
Kerosene-Type Jet Fuel	– –	0	1,653	147	– –	49	– –	165	1,586
Kerosene	– –	0	11	3	– –	-6	– –	4	17
Distillate Fuel Oil[5]	– –	0	4,763	209	– –	-38	– –	1,039	3,970
15 ppm sulfur and under	– –	0	4,543	208	– –	-39	– –	878	3,911
Greater than 15 ppm to 500 ppm sulfur	– –	0	118	0	– –	3	– –	101	15
Greater than 500 ppm sulfur	– –	0	102	1	– –	-2	– –	60	44
Residual Fuel Oil	– –	– –	276	130	– –	14	– –	136	256
Less than 0.31 percent sulfur	– –	– –	44	11	– –	5	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	88	32	– –	12	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	144	87	– –	-3	– –	NA	NA
Petrochemical Feedstocks	– –	– –	226	21	– –	1	– –	30	216
Naphtha for Petro. Feed. Use	– –	– –	129	14	– –	1	– –	–	143
Other Oils for Petro. Feed. Use	– –	– –	97	6	– –	0	– –	30	73
Special Naphthas	– –	– –	29	16	– –	1	– –	–	44
Lubricants	– –	– –	149	47	– –	-6	– –	109	93
Waxes	– –	– –	5	4	– –	1	– –	4	4
Petroleum Coke	– –	– –	785	8	– –	1	– –	555	237
Marketable	– –	– –	601	8	– –	1	– –	555	53
Catalyst	– –	– –	184	– –	– –	– –	– –	– –	184
Asphalt and Road Oil	– –	– –	316	54	– –	58	– –	18	293
Still Gas	– –	– –	640	– –	– –	– –	– –	– –	640
Miscellaneous Products	– –	– –	86	–	– –	0	– –	3	83
Total	**18,801**	**1,254**	**19,038**	**8,503**	**820**	**137**	**18,067**	**9,967**	**20,245**

– – = 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, May 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	**2,186**	**– –**	**– –**	**19,172**	**2,152**	**-423**	**-247**	**23,334**	**0**	**0**	**7,900**
Hydrocarbon Gas Liquids	**20,730**	**-9**	**1,065**	**692**	**1,098**	**– –**	**-606**	**165**	**10,581**	**13,435**	**8,355**
Natural Gas Liquids	20,730	-9	814	360	910	– –	-609	165	10,581	12,668	8,236
Ethane	8,419	– –	–	–	-5,881	– –	83	– –	1,965	490	1,117
Propane	7,171	– –	437	257	5,413	– –	-377	– –	5,824	7,831	5,243
Normal Butane	2,184	–	453	103	1,597	– –	-323	21	2,724	1,915	1,368
Isobutane	953	–	-76	–	-209	– –	-38	124	1	581	128
Natural Gasoline	2,003	-9	– –	–	-9	– –	46	20	68	1,851	380
Refinery Olefins	– –	– –	251	332	187	– –	3	– –	– –	767	119
Ethylene	– –	– –	8	–	–	– –	–	– –	– –	8	–
Propylene	– –	– –	271	332	187	– –	-5	– –	– –	795	111
Normal Butylene	– –	– –	-28	–	–	– –	8	– –	– –	-36	8
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**598**	**– –**	**19,803**	**63,733**	**9,905**	**1,007**	**92,238**	**154**	**641**	**64,198**
Hydrogen/Biofuels/Other Hydrocarbons	– –	598	– –	471	8,772	1,151	-327	10,877	37	406	8,484
Hydrogen	– –	– –	– –	–	– –	52	– –	52	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	598	– –	471	8,772	1,099	-327	10,825	37	406	8,484
Fuel Ethanol[6]	– –	377	– –	–	8,724	1,099	-252	10,417	34	0	7,035
Biofuels (excluding Fuel Ethanol)[7]	– –	222	– –	471	49	– –	-76	408	3	406	1,449
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	2,042	22	– –	-214	1,929	114	235	3,801
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	17,290	54,939	8,754	1,548	79,432	3	0	51,913
Reformulated	– –	–	– –	4,961	9,759	2,969	306	17,383	0	0	17,777
Conventional	– –	–	– –	12,329	45,180	5,784	1,242	62,049	2	0	34,136
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**1**	**115,651**	**13,304**	**43,282**	**-9,853**	**2,653**	**– –**	**1,775**	**157,956**	**62,637**
Finished Motor Gasoline	– –	–	102,033	4,934	2,650	-9,853	622	– –	65	99,077	3,292
Reformulated	– –	–	37,329	–	–	-2,492	0	– –	–	34,837	5
Conventional	– –	–	64,704	4,934	2,650	-7,361	622	– –	65	64,240	3,287
Finished Aviation Gasoline	– –	– –	–	–	51	– –	-19	– –	–	70	153
Kerosene-Type Jet Fuel	– –	–	2,550	1,886	16,413	– –	508	– –	21	20,320	12,101
Kerosene	– –	0	282	–	–	– –	40	– –	9	233	551
Distillate Fuel Oil[6]	– –	1	7,175	4,003	22,331	– –	851	– –	163	32,496	28,995
15 ppm sulfur and under	– –	1	7,182	3,995	21,999	– –	1,002	– –	136	32,039	27,301
Greater than 15 ppm to 500 ppm sulfur	– –	0	14	8	–	– –	48	– –	26	-52	637
Greater than 500 ppm sulfur	– –	0	-21	–	332	– –	-199	– –	1	509	1,057
Residual Fuel Oil	– –	– –	678	1,549	–	– –	712	– –	449	1,066	7,052
Less than 0.31 percent sulfur	– –	– –	4	–	–	– –	298	– –	NA	NA	829
0.31 to 1.00 percent sulfur	– –	– –	397	53	–	– –	-131	– –	NA	NA	1,080
Greater than 1.00 percent sulfur	– –	– –	277	1,496	–	– –	545	– –	NA	NA	5,143
Petrochemical Feedstocks	– –	– –	–	95	–	– –	–	– –	150	-55	–
Naphtha for Petro. Feed. Use	– –	– –	–	94	–	– –	–	– –	–	94	–
Other Oils for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	150	-149	–
Special Naphthas	– –	– –	16	2	–	– –	10	– –	–	8	49
Lubricants	– –	– –	338	164	416	– –	68	– –	320	530	1,556
Waxes	– –	– –	-2	81	–	– –	34	– –	83	-38	359
Petroleum Coke	– –	– –	209	1	243	– –	–	– –	429	23	–
Marketable	– –	– –	13	1	243	– –	–	– –	429	-173	–
Catalyst	– –	– –	196	– –	– –	– –	– –	– –	– –	196	– –
Asphalt and Road Oil	– –	– –	1,227	589	1,178	– –	-178	– –	77	3,095	8,471
Still Gas	– –	– –	1,079	– –	– –	– –	– –	– –	– –	1,079	– –
Miscellaneous Products	– –	– –	66	–	–	– –	5	– –	10	51	58
Total	**22,916**	**590**	**116,716**	**52,971**	**110,265**	**-371**	**2,806**	**115,737**	**12,510**	**172,033**	**143,090**

– – = 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-May 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	**10,603**	**– –**	**– –**	**87,655**	**12,315**	**-141**	**288**	**108,703**	**1,440**	**0**	**7,900**
Hydrocarbon Gas Liquids	**102,295**	**-44**	**2,926**	**6,588**	**9,378**	**– –**	**-1,353**	**5,621**	**40,019**	**76,855**	**8,355**
Natural Gas Liquids	102,295	-44	2,012	5,105	8,303	– –	-1,319	5,621	40,019	73,350	8,236
Ethane	44,282	– –	–	–	-26,222	– –	257	– –	10,787	7,016	1,117
Propane	33,975	– –	2,058	4,880	28,592	– –	-1,596	– –	20,517	50,584	5,243
Normal Butane	10,224	–	144	210	8,181	– –	-146	3,918	8,493	6,494	1,368
Isobutane	4,634	–	-190	15	-1,542	– –	-12	618	4	2,307	128
Natural Gasoline	9,180	-44	– –	–	-705	– –	178	1,085	219	6,949	380
Refinery Olefins	– –	– –	914	1,483	1,075	– –	-34	– –	– –	3,506	119
Ethylene	– –	– –	19	–	–	– –	–	– –	– –	19	–
Propylene	– –	– –	901	1,483	1,075	– –	-26	– –	– –	3,485	111
Normal Butylene	– –	– –	-30	–	–	– –	8	– –	– –	-38	8
Isobutylene	– –	– –	24	–	–	– –	-16	– –	– –	40	0
Other Liquids	**– –**	**2,636**	**– –**	**81,732**	**313,809**	**33,483**	**-894**	**427,607**	**934**	**4,014**	**64,198**
Hydrogen/Biofuels/Other Hydrocarbons	– –	2,636	– –	2,357	45,827	2,877	353	51,423	723	1,198	8,484
Hydrogen	– –	– –	– –	–	– –	286	– –	286	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	2,636	– –	2,357	45,827	2,591	353	51,137	723	1,198	8,484
Fuel Ethanol[6]	– –	1,710	– –	–	45,135	2,591	2	48,733	702	0	7,035
Biofuels (excluding Fuel Ethanol)[7]	– –	926	– –	2,357	691	– –	351	2,404	21	1,198	1,449
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	8,899	-27	– –	344	5,516	197	2,815	3,801
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	70,476	268,009	30,607	-1,591	370,668	15	0	51,913
Reformulated	– –	–	– –	21,474	37,099	21,425	941	79,056	1	0	17,777
Conventional	– –	–	– –	49,002	230,910	9,181	-2,532	291,612	13	0	34,136
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**3**	**543,273**	**65,441**	**215,486**	**-33,197**	**2,208**	**– –**	**9,616**	**779,181**	**62,637**
Finished Motor Gasoline	– –	–	477,406	15,114	11,529	-33,197	398	– –	584	469,870	3,292
Reformulated	– –	–	174,229	–	–	-19,850	0	– –	–	154,379	5
Conventional	– –	–	303,177	15,114	11,529	-13,348	398	– –	584	315,491	3,287
Finished Aviation Gasoline	– –	– –	–	18	389	– –	-53	– –	–	460	153
Kerosene-Type Jet Fuel	– –	–	13,950	8,445	72,698	– –	3,144	– –	793	91,156	12,101
Kerosene	– –	0	352	504	596	– –	-1,065	– –	22	2,495	551
Distillate Fuel Oil[6]	– –	3	33,746	26,909	120,765	– –	-5,407	– –	2,271	184,559	28,995
15 ppm sulfur and under	– –	3	33,480	26,767	119,265	– –	-4,714	– –	1,520	182,709	27,301
Greater than 15 ppm to 500 ppm sulfur	– –	0	113	11	–	– –	46	– –	596	-518	637
Greater than 500 ppm sulfur	– –	0	153	131	1,500	– –	-739	– –	155	2,368	1,057
Residual Fuel Oil	– –	– –	3,818	9,144	–	– –	1,441	– –	1,805	9,716	7,052
Less than 0.31 percent sulfur	– –	– –	-46	998	–	– –	536	– –	NA	NA	829
0.31 to 1.00 percent sulfur	– –	– –	2,703	2,139	–	– –	238	– –	NA	NA	1,080
Greater than 1.00 percent sulfur	– –	– –	1,161	6,007	–	– –	667	– –	NA	NA	5,143
Petrochemical Feedstocks	– –	– –	–	416	–	– –	–	– –	155	261	–
Naphtha for Petro. Feed. Use	– –	– –	–	380	–	– –	–	– –	–	380	–
Other Oils for Petro. Feed. Use	– –	– –	–	36	–	– –	–	– –	155	-119	–
Special Naphthas	– –	– –	22	10	–	– –	-12	– –	–	44	49
Lubricants	– –	– –	1,711	605	2,519	– –	16	– –	1,158	3,661	1,556
Waxes	– –	– –	-42	434	–	– –	138	– –	345	-91	359
Petroleum Coke	– –	– –	2,061	1	1,524	– –	–	– –	2,048	1,538	–
Marketable	– –	– –	788	1	1,524	– –	–	– –	2,048	265	–
Catalyst	– –	– –	1,273	– –	– –	– –	– –	– –	– –	1,273	– –
Asphalt and Road Oil	– –	– –	5,571	3,841	5,466	– –	3,616	– –	363	10,900	8,471
Still Gas	– –	– –	4,341	– –	– –	– –	– –	– –	– –	4,341	– –
Miscellaneous Products	– –	– –	337	–	–	– –	-8	– –	74	271	58
Total	**112,898**	**2,595**	**546,199**	**241,416**	**550,987**	**145**	**249**	**541,931**	**52,010**	**860,050**	**143,090**

– – = 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, May 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	**71**	**– –**	**– –**	**618**	**69**	**-14**	**-8**	**753**	**0**	**0**
Hydrocarbon Gas Liquids	**669**	**0**	**34**	**22**	**35**	**– –**	**-20**	**5**	**341**	**433**
Natural Gas Liquids	669	0	26	12	29	– –	-20	5	341	409
Ethane	272	– –	–	–	-190	– –	3	– –	63	16
Propane	231	– –	14	8	175	– –	-12	– –	188	253
Normal Butane	70	–	15	3	52	– –	-10	1	88	62
Isobutane	31	–	-2	–	-7	– –	-1	4	0	19
Natural Gasoline	65	0	– –	–	0	– –	1	1	2	60
Refinery Olefins	– –	– –	8	11	6	– –	0	– –	– –	25
Ethylene	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	9	11	6	– –	0	– –	– –	26
Normal Butylene	– –	– –	-1	–	–	– –	0	– –	– –	-1
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**19**	**– –**	**639**	**2,056**	**320**	**32**	**2,975**	**5**	**21**
Hydrogen/Biofuels/Other Hydrocarbons	– –	19	– –	15	283	37	-11	351	1	13
Hydrogen	– –	– –	– –	–	– –	2	– –	2	– –	0
Biofuels (including Fuel Ethanol)	– –	19	– –	15	283	35	-11	349	1	13
Fuel Ethanol[6]	– –	12	– –	–	281	35	-8	336	1	0
Biofuels (excluding Fuel Ethanol)[7]	– –	7	– –	15	2	– –	-2	13	0	13
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	66	1	– –	-7	62	4	8
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	–	– –	558	1,772	282	50	2,562	0	0
Reformulated	– –	–	– –	160	315	96	10	561	0	0
Conventional	– –	–	– –	398	1,457	187	40	2,002	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**3,731**	**429**	**1,396**	**-318**	**86**	**– –**	**57**	**5,095**
Finished Motor Gasoline	– –	–	3,291	159	85	-318	20	– –	2	3,196
Reformulated	– –	–	1,204	–	–	-80	0	– –	–	1,124
Conventional	– –	–	2,087	159	85	-237	20	– –	2	2,072
Finished Aviation Gasoline	– –	– –	–	–	2	– –	-1	– –	–	2
Kerosene-Type Jet Fuel	– –	–	82	61	529	– –	16	– –	1	655
Kerosene	– –	0	9	–	–	– –	1	– –	0	8
Distillate Fuel Oil[6]	– –	0	231	129	720	– –	27	– –	5	1,048
15 ppm sulfur and under	– –	0	232	129	710	– –	32	– –	4	1,034
Greater than 15 ppm to 500 ppm sulfur	– –	0	0	0	–	– –	2	– –	1	-2
Greater than 500 ppm sulfur	– –	0	-1	–	11	– –	-6	– –	0	16
Residual Fuel Oil	– –	– –	22	50	–	– –	23	– –	14	34
Less than 0.31 percent sulfur	– –	– –	0	–	–	– –	10	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	13	2	–	– –	-4	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	9	48	–	– –	18	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	3	–	– –	–	– –	5	-2
Naphtha for Petro. Feed. Use	– –	– –	–	3	–	– –	–	– –	–	3
Other Oils for Petro. Feed. Use	– –	– –	–	0	–	– –	–	– –	5	-5
Special Naphthas	– –	– –	1	0	–	– –	0	– –	–	0
Lubricants	– –	– –	11	5	13	– –	2	– –	10	17
Waxes	– –	– –	0	3	–	– –	1	– –	3	-1
Petroleum Coke	– –	– –	7	0	8	– –	–	– –	14	1
Marketable	– –	– –	0	0	8	– –	–	– –	14	-6
Catalyst	– –	– –	6	– –	– –	– –	– –	– –	– –	6
Asphalt and Road Oil	– –	– –	40	19	38	– –	-6	– –	2	100
Still Gas	– –	– –	35	– –	– –	– –	– –	– –	– –	35
Miscellaneous Products	– –	– –	2	–	–	– –	0	– –	0	2
Total	**739**	**19**	**3,765**	**1,709**	**3,557**	**-12**	**91**	**3,733**	**404**	**5,549**

– – = 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-May 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	**70**	**– –**	**– –**	**580**	**82**	**-1**	**2**	**720**	**10**	**0**
Hydrocarbon Gas Liquids	**677**	**0**	**19**	**44**	**62**	**– –**	**-9**	**37**	**265**	**509**
Natural Gas Liquids	677	0	13	34	55	– –	-9	37	265	486
Ethane	293	– –	–	–	-174	– –	2	– –	71	46
Propane	225	– –	14	32	189	– –	-11	– –	136	335
Normal Butane	68	–	1	1	54	– –	-1	26	56	43
Isobutane	31	–	-1	0	-10	– –	0	4	0	15
Natural Gasoline	61	0	– –	–	-5	– –	1	7	1	46
Refinery Olefins	– –	– –	6	10	7	– –	0	– –	– –	23
Ethylene	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	6	10	7	– –	0	– –	– –	23
Normal Butylene	– –	– –	0	–	–	– –	0	– –	– –	0
Isobutylene	– –	– –	0	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**17**	**– –**	**541**	**2,078**	**222**	**-6**	**2,832**	**6**	**27**
Hydrogen/Biofuels/Other Hydrocarbons	– –	17	– –	16	303	19	2	341	5	8
Hydrogen	– –	– –	– –	–	– –	2	– –	2	– –	0
Biofuels (including Fuel Ethanol)	– –	17	– –	16	303	17	2	339	5	8
Fuel Ethanol[6]	– –	11	– –	–	299	17	0	323	5	0
Biofuels (excluding Fuel Ethanol)[7]	– –	6	– –	16	5	– –	2	16	0	8
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	59	0	– –	2	37	1	19
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	–	– –	467	1,775	203	-11	2,455	0	0
Reformulated	– –	–	– –	142	246	142	6	524	0	0
Conventional	– –	–	– –	325	1,529	61	-17	1,931	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**3,598**	**433**	**1,427**	**-220**	**15**	**– –**	**64**	**5,160**
Finished Motor Gasoline	– –	–	3,162	100	76	-220	3	– –	4	3,112
Reformulated	– –	–	1,154	–	–	-131	0	– –	–	1,022
Conventional	– –	–	2,008	100	76	-88	3	– –	4	2,089
Finished Aviation Gasoline	– –	– –	–	0	3	– –	0	– –	–	3
Kerosene-Type Jet Fuel	– –	–	92	56	481	– –	21	– –	5	604
Kerosene	– –	0	2	3	4	– –	-7	– –	0	17
Distillate Fuel Oil[6]	– –	0	223	178	800	– –	-36	– –	15	1,222
15 ppm sulfur and under	– –	0	222	177	790	– –	-31	– –	10	1,210
Greater than 15 ppm to 500 ppm sulfur	– –	0	1	0	–	– –	0	– –	4	-3
Greater than 500 ppm sulfur	– –	0	1	1	10	– –	-5	– –	1	16
Residual Fuel Oil	– –	– –	25	61	–	– –	10	– –	12	64
Less than 0.31 percent sulfur	– –	– –	0	7	–	– –	4	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	18	14	–	– –	2	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	8	40	–	– –	4	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	3	–	– –	–	– –	1	2
Naphtha for Petro. Feed. Use	– –	– –	–	3	–	– –	–	– –	–	3
Other Oils for Petro. Feed. Use	– –	– –	–	0	–	– –	–	– –	1	-1
Special Naphthas	– –	– –	0	0	–	– –	0	– –	–	0
Lubricants	– –	– –	11	4	17	– –	0	– –	8	24
Waxes	– –	– –	0	3	–	– –	1	– –	2	-1
Petroleum Coke	– –	– –	14	0	10	– –	–	– –	14	10
Marketable	– –	– –	5	0	10	– –	–	– –	14	2
Catalyst	– –	– –	8	– –	– –	– –	– –	– –	– –	8
Asphalt and Road Oil	– –	– –	37	25	36	– –	24	– –	2	72
Still Gas	– –	– –	29	– –	– –	– –	– –	– –	– –	29
Miscellaneous Products	– –	– –	2	–	–	– –	0	– –	0	2
Total	**748**	**17**	**3,617**	**1,599**	**3,649**	**1**	**2**	**3,589**	**344**	**5,696**

– – = 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, May 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	**54,888**	**– –**	**– –**	**93,609**	**-20,144**	**-2,598**	**4,444**	**117,936**	**3,375**	**0**	**125,220**
Hydrocarbon Gas Liquids	**37,621**	**-693**	**5,704**	**1,467**	**-17,310**	**– –**	**6,504**	**2,659**	**3,971**	**13,655**	**45,978**
Natural Gas Liquids	37,621	-693	4,181	1,222	-16,631	– –	6,353	2,659	3,971	12,717	45,481
Ethane	14,058	– –	–	–	-7,149	– –	-598	– –	1,998	5,509	6,622
Propane	12,651	– –	2,292	610	-11,035	– –	4,065	– –	172	281	17,317
Normal Butane	4,531	–	2,218	373	-3,987	– –	3,489	33	157	-544	10,205
Isobutane	2,031	–	-329	239	104	– –	-238	1,703	2	578	2,046
Natural Gasoline	4,350	-693	– –	–	5,436	– –	-365	923	1,642	6,894	9,291
Refinery Olefins	– –	– –	1,523	245	-679	– –	151	– –	– –	938	497
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	1,179	151	-679	– –	124	– –	– –	527	432
Normal Butylene	– –	– –	344	94	–	– –	27	– –	– –	411	65
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**32,493**	**– –**	**394**	**-13,085**	**474**	**-2,940**	**19,844**	**3,967**	**-594**	**66,247**
Hydrogen/Biofuels/Other Hydrocarbons	– –	32,493	– –	81	-20,596	-176	-839	9,499	1,287	1,855	10,330
Hydrogen	– –	– –	– –	–	– –	1,072	– –	1,072	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	32,493	– –	81	-20,596	-1,263	-828	8,401	1,287	1,855	10,317
Fuel Ethanol	– –	29,382	– –	–	-20,075	-1,263	-707	7,839	913	0	9,038
Biofuels (excluding Fuel Ethanol)[6]	– –	3,111	– –	81	-521	– –	-121	562	374	1,855	1,278
Other Hydrocarbons	– –	– –	– –	–	–	15	-11	26	–	0	13
Unfinished Oils	– –	– –	– –	77	-1,002	– –	-835	-266	2,626	-2,450	14,390
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	236	8,513	651	-1,266	10,611	55	0	41,528
Reformulated	– –	0	– –	–	3,918	-1,509	557	1,852	–	0	5,490
Conventional	– –	0	– –	236	4,595	2,160	-1,823	8,759	55	0	36,037
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**158**	**140,165**	**1,262**	**2,949**	**613**	**-1,823**	**– –**	**1,234**	**145,736**	**57,302**
Finished Motor Gasoline	– –	163	79,391	–	1,316	613	530	– –	316	80,637	3,703
Reformulated	– –	–	10,726	–	–	1,742	–	– –	–	12,468	–
Conventional	– –	163	68,665	–	1,316	-1,129	530	– –	316	68,169	3,703
Finished Aviation Gasoline	– –	– –	26	6	35	– –	-31	– –	–	98	150
Kerosene-Type Jet Fuel	– –	–	8,950	–	158	– –	518	– –	34	8,556	7,755
Kerosene	– –	–	58	20	–	– –	72	– –	1	5	179
Distillate Fuel Oil	– –	-5	34,453	253	3,534	– –	-1,523	– –	115	39,643	26,041
15 ppm sulfur and under	– –	-5	34,147	248	3,436	– –	-1,574	– –	1	39,399	25,067
Greater than 15 ppm to 500 ppm sulfur	– –	0	224	3	98	– –	128	– –	2	195	346
Greater than 500 ppm sulfur	– –	–	82	2	–	– –	-77	– –	111	50	628
Residual Fuel Oil	– –	– –	1,036	35	-560	– –	-37	– –	0	548	949
Less than 0.31 percent sulfur	– –	– –	63	–	-48	– –	14	– –	NA	NA	125
0.31 to 1.00 percent sulfur	– –	– –	404	6	-233	– –	-43	– –	NA	NA	182
Greater than 1.00 percent sulfur	– –	– –	569	29	-279	– –	-8	– –	NA	NA	642
Petrochemical Feedstocks	– –	– –	872	159	-14	– –	-48	– –	–	1,065	545
Naphtha for Petro. Feed. Use	– –	– –	519	84	8	– –	-51	– –	–	662	428
Other Oils for Petro. Feed. Use	– –	– –	353	75	-22	– –	3	– –	–	403	117
Special Naphthas	– –	– –	-30	20	10	– –	23	– –	–	-23	190
Lubricants	– –	– –	228	213	154	– –	7	– –	220	368	851
Waxes	– –	– –	46	14	–	– –	7	– –	21	32	68
Petroleum Coke	– –	– –	4,936	31	-461	– –	-977	– –	507	4,976	2,027
Marketable	– –	– –	3,492	31	-461	– –	-977	– –	507	3,532	2,027
Catalyst	– –	– –	1,444	– –	– –	– –	– –	– –	– –	1,444	– –
Asphalt and Road Oil	– –	– –	5,247	511	-1,230	– –	-381	– –	20	4,889	14,631
Still Gas	– –	– –	4,475	– –	– –	– –	– –	– –	– –	4,475	– –
Miscellaneous Products	– –	– –	477	–	7	– –	17	– –	0	467	213
Total	**92,509**	**31,958**	**145,869**	**96,732**	**-47,589**	**-1,511**	**6,184**	**140,439**	**12,547**	**158,797**	**294,747**

– – = 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-May 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	**262,625**	**– –**	**– –**	**438,258**	**-106,576**	**3,445**	**18,580**	**566,317**	**12,856**	**0**	**125,220**
Hydrocarbon Gas Liquids	**172,384**	**-3,314**	**16,453**	**9,661**	**-83,227**	**– –**	**-6,368**	**15,632**	**29,739**	**72,954**	**45,978**
Natural Gas Liquids	172,384	-3,314	10,427	8,348	-79,620	– –	-6,482	15,632	29,739	69,335	45,481
Ethane	62,819	– –	–	–	-34,041	– –	427	– –	9,900	18,451	6,622
Propane	59,817	– –	11,302	5,054	-53,161	– –	-5,709	– –	732	27,989	17,317
Normal Butane	20,017	–	238	2,082	-20,720	– –	119	3,047	537	-2,085	10,205
Isobutane	10,318	–	-1,113	1,202	873	– –	17	8,278	8	2,977	2,046
Natural Gasoline	19,413	-3,314	– –	10	27,428	– –	-1,336	4,307	18,562	22,003	9,291
Refinery Olefins	– –	– –	6,026	1,313	-3,606	– –	114	– –	– –	3,619	497
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	5,518	756	-3,606	– –	60	– –	– –	2,608	432
Normal Butylene	– –	– –	508	557	–	– –	54	– –	– –	1,011	65
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**157,676**	**– –**	**3,020**	**-74,460**	**-11,762**	**-1,891**	**56,023**	**17,951**	**2,392**	**66,247**
Hydrogen/Biofuels/Other Hydrocarbons	– –	157,680	– –	490	-98,929	-2,748	-913	43,580	5,371	8,455	10,330
Hydrogen	– –	– –	– –	–	– –	5,705	– –	5,705	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	157,680	– –	490	-98,929	-8,510	-916	37,821	5,371	8,455	10,317
Fuel Ethanol	– –	143,097	– –	–	-95,359	-8,510	-958	35,875	4,310	0	9,038
Biofuels (excluding Fuel Ethanol)[6]	– –	14,583	– –	490	-3,569	– –	42	1,946	1,061	8,455	1,278
Other Hydrocarbons	– –	– –	– –	–	–	57	3	54	–	0	13
Unfinished Oils	– –	– –	– –	113	-3,099	– –	817	-10,041	12,301	-6,063	14,390
Motor Gasoline Blend.Comp. (MGBC)	– –	-3	– –	2,417	27,568	-9,014	-1,795	22,484	279	0	41,528
Reformulated	– –	0	– –	–	6,931	2,233	1,155	8,009	–	0	5,490
Conventional	– –	-3	– –	2,417	20,637	-11,247	-2,950	14,475	279	0	36,037
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**676**	**652,289**	**7,319**	**85**	**17,524**	**2,080**	**– –**	**4,551**	**671,262**	**57,302**
Finished Motor Gasoline	– –	693	361,541	–	1,651	17,524	441	– –	1,316	379,652	3,703
Reformulated	– –	–	50,095	–	–	-1,456	–	– –	–	48,639	–
Conventional	– –	693	311,446	–	1,651	18,980	441	– –	1,316	331,013	3,703
Finished Aviation Gasoline	– –	– –	66	22	105	– –	-53	– –	–	246	150
Kerosene-Type Jet Fuel	– –	–	39,799	–	1,136	– –	953	– –	149	39,833	7,755
Kerosene	– –	–	396	20	–	– –	81	– –	5	330	179
Distillate Fuel Oil	– –	-17	166,746	1,331	11,417	– –	-2,815	– –	327	181,965	26,041
15 ppm sulfur and under	– –	-17	166,433	1,259	11,030	– –	-2,987	– –	13	181,679	25,067
Greater than 15 ppm to 500 ppm sulfur	– –	0	576	20	387	– –	-51	– –	32	1,001	346
Greater than 500 ppm sulfur	– –	–	-263	52	–	– –	223	– –	282	-716	628
Residual Fuel Oil	– –	– –	4,752	372	-3,934	– –	-239	– –	0	1,429	949
Less than 0.31 percent sulfur	– –	– –	292	–	-388	– –	-94	– –	NA	NA	125
0.31 to 1.00 percent sulfur	– –	– –	1,956	35	-1,179	– –	-62	– –	NA	NA	182
Greater than 1.00 percent sulfur	– –	– –	2,504	337	-2,367	– –	-83	– –	NA	NA	642
Petrochemical Feedstocks	– –	– –	4,118	818	-307	– –	17	– –	–	4,612	545
Naphtha for Petro. Feed. Use	– –	– –	2,287	454	-222	– –	35	– –	–	2,484	428
Other Oils for Petro. Feed. Use	– –	– –	1,831	364	-85	– –	-18	– –	–	2,128	117
Special Naphthas	– –	– –	-79	39	127	– –	72	– –	–	15	190
Lubricants	– –	– –	1,048	1,184	871	– –	129	– –	933	2,041	851
Waxes	– –	– –	200	69	–	– –	21	– –	161	87	68
Petroleum Coke	– –	– –	26,655	89	-4,967	– –	-592	– –	1,382	20,986	2,027
Marketable	– –	– –	19,993	89	-4,967	– –	-592	– –	1,382	14,324	2,027
Catalyst	– –	– –	6,662	– –	– –	– –	– –	– –	– –	6,662	– –
Asphalt and Road Oil	– –	– –	24,045	3,375	-6,057	– –	3,984	– –	270	17,109	14,631
Still Gas	– –	– –	20,616	– –	– –	– –	– –	– –	– –	20,616	– –
Miscellaneous Products	– –	– –	2,386	–	43	– –	81	– –	8	2,340	213
Total	**435,009**	**155,038**	**668,742**	**458,258**	**-264,177**	**9,207**	**12,401**	**637,972**	**65,097**	**746,608**	**294,747**

– – = 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, May 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	**1,771**	**– –**	**– –**	**3,020**	**-650**	**-84**	**143**	**3,804**	**109**	**0**
Hydrocarbon Gas Liquids	**1,214**	**-22**	**184**	**47**	**-558**	**– –**	**210**	**86**	**128**	**440**
Natural Gas Liquids	1,214	-22	135	39	-536	– –	205	86	128	410
Ethane	453	– –	–	–	-231	– –	-19	– –	64	178
Propane	408	– –	74	20	-356	– –	131	– –	6	9
Normal Butane	146	–	72	12	-129	– –	113	1	5	-18
Isobutane	66	–	-11	8	3	– –	-8	55	0	19
Natural Gasoline	140	-22	– –	–	175	– –	-12	30	53	222
Refinery Olefins	– –	– –	49	8	-22	– –	5	– –	– –	30
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	38	5	-22	– –	4	– –	– –	17
Normal Butylene	– –	– –	11	3	–	– –	1	– –	– –	13
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,048**	**– –**	**13**	**-422**	**15**	**-95**	**640**	**128**	**-19**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,048	– –	3	-664	-6	-27	306	42	60
Hydrogen	– –	– –	– –	–	– –	35	– –	35	– –	0
Biofuels (including Fuel Ethanol)	– –	1,048	– –	3	-664	-41	-27	271	42	60
Fuel Ethanol	– –	948	– –	–	-648	-41	-23	253	29	0
Biofuels (excluding Fuel Ethanol)[6]	– –	100	– –	3	-17	– –	-4	18	12	60
Other Hydrocarbons	– –	– –	– –	–	–	0	0	1	–	0
Unfinished Oils	– –	– –	– –	2	-32	– –	-27	-9	85	-79
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	8	275	21	-41	342	2	0
Reformulated	– –	0	– –	–	126	-49	18	60	–	0
Conventional	– –	0	– –	8	148	70	-59	283	2	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**5**	**4,521**	**41**	**95**	**20**	**-59**	**– –**	**40**	**4,701**
Finished Motor Gasoline	– –	5	2,561	–	42	20	17	– –	10	2,601
Reformulated	– –	–	346	–	–	56	–	– –	–	402
Conventional	– –	5	2,215	–	42	-36	17	– –	10	2,199
Finished Aviation Gasoline	– –	– –	1	0	1	– –	-1	– –	–	3
Kerosene-Type Jet Fuel	– –	–	289	–	5	– –	17	– –	1	276
Kerosene	– –	–	2	1	–	– –	2	– –	0	0
Distillate Fuel Oil	– –	0	1,111	8	114	– –	-49	– –	4	1,279
15 ppm sulfur and under	– –	0	1,102	8	111	– –	-51	– –	0	1,271
Greater than 15 ppm to 500 ppm sulfur	– –	0	7	0	3	– –	4	– –	0	6
Greater than 500 ppm sulfur	– –	–	3	0	–	– –	-2	– –	4	2
Residual Fuel Oil	– –	– –	33	1	-18	– –	-1	– –	0	18
Less than 0.31 percent sulfur	– –	– –	2	–	-2	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	13	0	-8	– –	-1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	18	1	-9	– –	0	– –	NA	NA
Petrochemical Feedstocks	– –	– –	28	5	0	– –	-2	– –	–	34
Naphtha for Petro. Feed. Use	– –	– –	17	3	0	– –	-2	– –	–	21
Other Oils for Petro. Feed. Use	– –	– –	11	2	-1	– –	0	– –	–	13
Special Naphthas	– –	– –	-1	1	0	– –	1	– –	–	-1
Lubricants	– –	– –	7	7	5	– –	0	– –	7	12
Waxes	– –	– –	1	0	–	– –	0	– –	1	1
Petroleum Coke	– –	– –	159	1	-15	– –	-32	– –	16	161
Marketable	– –	– –	113	1	-15	– –	-32	– –	16	114
Catalyst	– –	– –	47	– –	– –	– –	– –	– –	– –	47
Asphalt and Road Oil	– –	– –	169	16	-40	– –	-12	– –	1	158
Still Gas	– –	– –	144	– –	– –	– –	– –	– –	– –	144
Miscellaneous Products	– –	– –	15	–	0	– –	1	– –	0	15
Total	**2,984**	**1,031**	**4,705**	**3,120**	**-1,535**	**-49**	**199**	**4,530**	**405**	**5,122**

– – = 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-May 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	**1,739**	**– –**	**– –**	**2,902**	**-706**	**23**	**123**	**3,750**	**85**	**0**
Hydrocarbon Gas Liquids	**1,142**	**-22**	**109**	**64**	**-551**	**– –**	**-42**	**104**	**197**	**483**
Natural Gas Liquids	1,142	-22	69	55	-527	– –	-43	104	197	459
Ethane	416	– –	–	–	-225	– –	3	– –	66	122
Propane	396	– –	75	33	-352	– –	-38	– –	5	185
Normal Butane	133	–	2	14	-137	– –	1	20	4	-14
Isobutane	68	–	-7	8	6	– –	0	55	0	20
Natural Gasoline	129	-22	– –	0	182	– –	-9	29	123	146
Refinery Olefins	– –	– –	40	9	-24	– –	1	– –	– –	24
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	37	5	-24	– –	0	– –	– –	17
Normal Butylene	– –	– –	3	4	–	– –	0	– –	– –	7
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,044**	**– –**	**20**	**-493**	**-78**	**-13**	**371**	**119**	**16**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,044	– –	3	-655	-18	-6	289	36	56
Hydrogen	– –	– –	– –	–	– –	38	– –	38	– –	0
Biofuels (including Fuel Ethanol)	– –	1,044	– –	3	-655	-56	-6	250	36	56
Fuel Ethanol	– –	948	– –	–	-632	-56	-6	238	29	0
Biofuels (excluding Fuel Ethanol)[6]	– –	97	– –	3	-24	– –	0	13	7	56
Other Hydrocarbons	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	– –	– –	1	-21	– –	5	-66	81	-40
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	16	183	-60	-12	149	2	0
Reformulated	– –	0	– –	–	46	15	8	53	–	0
Conventional	– –	0	– –	16	137	-74	-20	96	2	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**4**	**4,320**	**48**	**1**	**116**	**14**	**– –**	**30**	**4,445**
Finished Motor Gasoline	– –	5	2,394	–	11	116	3	– –	9	2,514
Reformulated	– –	–	332	–	–	-10	–	– –	–	322
Conventional	– –	5	2,063	–	11	126	3	– –	9	2,192
Finished Aviation Gasoline	– –	– –	0	0	1	– –	0	– –	–	2
Kerosene-Type Jet Fuel	– –	–	264	–	8	– –	6	– –	1	264
Kerosene	– –	–	3	0	–	– –	1	– –	0	2
Distillate Fuel Oil	– –	0	1,104	9	76	– –	-19	– –	2	1,205
15 ppm sulfur and under	– –	0	1,102	8	73	– –	-20	– –	0	1,203
Greater than 15 ppm to 500 ppm sulfur	– –	0	4	0	3	– –	0	– –	0	7
Greater than 500 ppm sulfur	– –	–	-2	0	–	– –	1	– –	2	-5
Residual Fuel Oil	– –	– –	31	2	-26	– –	-2	– –	0	9
Less than 0.31 percent sulfur	– –	– –	2	–	-3	– –	-1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	13	0	-8	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	17	2	-16	– –	-1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	27	5	-2	– –	0	– –	–	31
Naphtha for Petro. Feed. Use	– –	– –	15	3	-1	– –	0	– –	–	16
Other Oils for Petro. Feed. Use	– –	– –	12	2	-1	– –	0	– –	–	14
Special Naphthas	– –	– –	-1	0	1	– –	0	– –	–	0
Lubricants	– –	– –	7	8	6	– –	1	– –	6	14
Waxes	– –	– –	1	0	–	– –	0	– –	1	1
Petroleum Coke	– –	– –	177	1	-33	– –	-4	– –	9	139
Marketable	– –	– –	132	1	-33	– –	-4	– –	9	95
Catalyst	– –	– –	44	– –	– –	– –	– –	– –	– –	44
Asphalt and Road Oil	– –	– –	159	22	-40	– –	26	– –	2	113
Still Gas	– –	– –	137	– –	– –	– –	– –	– –	– –	137
Miscellaneous Products	– –	– –	16	–	0	– –	1	– –	0	15
Total	**2,881**	**1,027**	**4,429**	**3,035**	**-1,750**	**61**	**82**	**4,225**	**431**	**4,944**

– – = 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, May 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]	**283,695**	**– –**	**– –**	**39,696**	**37,296**	**17,267**	**-12,393**	**276,255**	**114,092**	**0**	**604,145**
Hydrocarbon Gas Liquids	**120,247**	**-17**	**16,575**	**–**	**30,330**	**– –**	**11,501**	**10,752**	**59,026**	**85,858**	**142,101**
Natural Gas Liquids	120,247	-17	10,156	–	29,839	– –	11,590	10,752	59,026	78,858	141,146
Ethane	53,409	– –	116	–	18,248	– –	-1,985	– –	10,377	63,381	45,323
Propane	35,444	– –	5,055	–	10,032	– –	5,719	– –	39,144	5,667	44,938
Normal Butane	8,998	–	4,854	–	4,242	– –	6,471	1,144	9,282	1,197	28,975
Isobutane	9,597	–	131	–	940	– –	1,405	4,514	178	4,571	10,812
Natural Gasoline	12,799	-17	– –	–	-3,623	– –	-20	5,094	44	4,041	11,098
Refinery Olefins	– –	– –	6,419	–	491	– –	-89	– –	– –	6,999	955
Ethylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Propylene	– –	– –	6,305	–	491	– –	-245	– –	– –	7,041	592
Normal Butylene	– –	– –	114	–	–	– –	156	– –	– –	-42	363
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**4,905**	**– –**	**12,223**	**-62,134**	**3,187**	**-2,878**	**-54,582**	**11,931**	**3,711**	**132,621**
Hydrogen/Biofuels/Other Hydrocarbons	– –	4,905	– –	302	5,363	4,149	-342	9,268	1,824	3,969	6,210
Hydrogen	– –	– –	– –	–	– –	4,259	– –	4,259	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	4,905	– –	302	5,363	-110	-342	5,009	1,824	3,969	6,210
Fuel Ethanol	– –	756	– –	–	5,519	-110	-199	4,773	1,592	0	4,221
Biofuels (excluding Fuel Ethanol)[7]	– –	4,149	– –	302	-156	– –	-144	236	233	3,969	1,989
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	10,638	980	– –	-1,026	5,114	7,773	-243	47,894
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	1,283	-68,477	-962	-1,514	-68,976	2,334	0	78,479
Reformulated	– –	–	– –	–	-15,109	3,656	517	-12,020	50	0	11,570
Conventional	– –	–	– –	1,283	-53,368	-4,618	-2,031	-56,956	2,284	0	66,909
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	4	12	–	-16	38
Finished Petroleum Products	**– –**	**5**	**234,186**	**3,379**	**-48,080**	**1,072**	**2,849**	**– –**	**78,955**	**108,758**	**106,055**
Finished Motor Gasoline	– –	0	67,984	300	-4,035	1,072	209	– –	21,186	43,925	7,071
Reformulated	– –	–	14,735	–	–	-2,764	–	– –	–	11,971	–
Conventional	– –	0	53,249	300	-4,035	3,836	209	– –	21,186	31,955	7,071
Finished Aviation Gasoline	– –	– –	262	–	-86	– –	-47	– –	–	223	495
Kerosene-Type Jet Fuel	– –	–	27,318	–	-17,293	– –	936	– –	3,429	5,660	13,349
Kerosene	– –	–	246	–	–	– –	29	– –	3	214	474
Distillate Fuel Oil	– –	5	92,436	–	-27,231	– –	2,388	– –	33,114	29,709	42,662
15 ppm sulfur and under	– –	5	86,776	–	-26,801	– –	2,386	– –	27,905	29,689	36,250
Greater than 15 ppm to 500 ppm sulfur	– –	0	4,005	–	-98	– –	370	– –	3,851	-314	1,414
Greater than 500 ppm sulfur	– –	–	1,655	–	-332	– –	-368	– –	1,358	333	4,998
Residual Fuel Oil	– –	– –	4,179	937	560	– –	-459	– –	3,223	2,912	19,728
Less than 0.31 percent sulfur	– –	– –	941	–	48	– –	-14	– –	NA	NA	1,618
0.31 to 1.00 percent sulfur	– –	– –	952	–	233	– –	49	– –	NA	NA	5,924
Greater than 1.00 percent sulfur	– –	– –	2,286	937	279	– –	-494	– –	NA	NA	12,186
Petrochemical Feedstocks	– –	– –	6,116	620	14	– –	-120	– –	467	6,403	1,964
Naphtha for Petro. Feed. Use	– –	– –	3,497	497	-8	– –	-99	– –	–	4,085	1,467
Other Oils for Petro. Feed. Use	– –	– –	2,619	123	22	– –	-21	– –	467	2,318	497
Special Naphthas	– –	– –	847	422	-10	– –	45	– –	–	1,214	875
Lubricants	– –	– –	4,210	1,083	-578	– –	-312	– –	3,020	2,007	9,072
Waxes	– –	– –	115	17	–	– –	12	– –	19	101	271
Petroleum Coke	– –	– –	15,028	–	580	– –	408	– –	14,199	1,001	3,978
Marketable	– –	– –	11,996	–	580	– –	408	– –	14,199	-2,031	3,978
Catalyst	– –	– –	3,032	– –	– –	– –	– –	– –	– –	3,032	– –
Asphalt and Road Oil	– –	– –	2,267	–	7	– –	-369	– –	216	2,426	5,499
Still Gas	– –	– –	11,381	– –	– –	– –	– –	– –	– –	11,381	– –
Miscellaneous Products	– –	– –	1,797	–	-7	– –	129	– –	79	1,582	617
Total	**403,942**	**4,894**	**250,761**	**55,298**	**-42,588**	**21,526**	**-922**	**232,425**	**264,003**	**198,327**	**984,922**

– – = 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-May 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]	**1,387,698**	**– –**	**– –**	**193,668**	**183,390**	**93,486**	**-10,771**	**1,276,731**	**592,282**	**0**	**604,145**
Hydrocarbon Gas Liquids	**568,394**	**-76**	**64,303**	**9**	**138,256**	**– –**	**3,045**	**61,482**	**316,873**	**389,485**	**142,101**
Natural Gas Liquids	568,394	-76	35,144	9	135,724	– –	3,332	61,482	316,873	357,508	141,146
Ethane	256,065	– –	770	–	83,185	– –	-132	– –	53,202	286,950	45,323
Propane	168,083	– –	23,350	–	45,996	– –	2,126	– –	204,958	30,344	44,938
Normal Butane	40,401	–	11,797	9	20,222	– –	2,269	18,112	57,447	-5,398	28,975
Isobutane	47,047	–	-773	–	4,532	– –	1,502	21,459	635	27,210	10,812
Natural Gasoline	56,798	-76	– –	–	-18,211	– –	-2,433	21,911	631	18,401	11,098
Refinery Olefins	– –	– –	29,159	–	2,532	– –	-287	– –	– –	31,978	955
Ethylene	– –	– –	8	–	–	– –	0	– –	– –	8	–
Propylene	– –	– –	29,633	–	2,532	– –	-213	– –	– –	32,378	592
Normal Butylene	– –	– –	-482	–	–	– –	-74	– –	– –	-408	363
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**21,468**	**– –**	**74,479**	**-292,376**	**7,692**	**5,302**	**-263,936**	**47,968**	**21,929**	**132,621**
Hydrogen/Biofuels/Other Hydrocarbons	– –	21,468	– –	1,351	25,179	18,119	156	41,777	8,867	15,318	6,210
Hydrogen	– –	– –	– –	–	– –	17,863	– –	17,863	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	21,468	– –	1,336	25,179	271	156	23,914	8,867	15,318	6,210
Fuel Ethanol	– –	3,358	– –	–	26,526	271	-265	22,400	8,021	0	4,221
Biofuels (excluding Fuel Ethanol)[7]	– –	18,110	– –	1,336	-1,347	– –	421	1,514	846	15,318	1,989
Other Hydrocarbons	– –	– –	– –	15	–	-15	–	–	–	0	–
Unfinished Oils	– –	– –	– –	65,695	3,281	– –	250	31,302	30,757	6,667	47,894
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	7,433	-320,836	-10,427	4,891	-337,065	8,344	0	78,479
Reformulated	– –	–	– –	292	-51,893	23,293	2,584	-31,113	221	0	11,570
Conventional	– –	–	– –	7,141	-268,943	-33,720	2,307	-305,952	8,123	0	66,909
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	5	50	–	-55	38
Finished Petroleum Products	**– –**	**14**	**1,094,510**	**19,473**	**-224,918**	**10,156**	**8,089**	**– –**	**373,739**	**517,407**	**106,055**
Finished Motor Gasoline	– –	0	328,196	354	-12,650	10,156	-697	– –	114,213	212,540	7,071
Reformulated	– –	–	69,944	–	–	-18,575	–	– –	–	51,369	–
Conventional	– –	0	258,252	354	-12,650	28,731	-697	– –	114,213	161,171	7,071
Finished Aviation Gasoline	– –	– –	1,150	–	-494	– –	-56	– –	–	712	495
Kerosene-Type Jet Fuel	– –	–	129,660	–	-78,822	– –	3,754	– –	20,582	26,502	13,349
Kerosene	– –	–	967	–	-596	– –	65	– –	577	-271	474
Distillate Fuel Oil	– –	14	423,698	833	-138,154	– –	4,103	– –	140,149	142,139	42,662
15 ppm sulfur and under	– –	15	395,048	833	-136,267	– –	3,538	– –	119,043	137,048	36,250
Greater than 15 ppm to 500 ppm sulfur	– –	0	15,338	–	-387	– –	283	– –	13,977	691	1,414
Greater than 500 ppm sulfur	– –	–	13,312	–	-1,500	– –	282	– –	7,130	4,400	4,998
Residual Fuel Oil	– –	– –	20,837	7,913	3,934	– –	1,088	– –	15,376	16,220	19,728
Less than 0.31 percent sulfur	– –	– –	5,315	65	388	– –	77	– –	NA	NA	1,618
0.31 to 1.00 percent sulfur	– –	– –	5,225	1,065	1,179	– –	1,697	– –	NA	NA	5,924
Greater than 1.00 percent sulfur	– –	– –	10,297	6,783	2,367	– –	-686	– –	NA	NA	12,186
Petrochemical Feedstocks	– –	– –	29,697	1,752	307	– –	104	– –	4,313	27,339	1,964
Naphtha for Petro. Feed. Use	– –	– –	17,239	1,189	222	– –	77	– –	–	18,573	1,467
Other Oils for Petro. Feed. Use	– –	– –	12,458	563	85	– –	27	– –	4,313	8,766	497
Special Naphthas	– –	– –	4,284	2,265	-127	– –	109	– –	–	6,313	875
Lubricants	– –	– –	17,869	5,185	-3,326	– –	-986	– –	13,026	7,688	9,072
Waxes	– –	– –	550	45	–	– –	-62	– –	100	557	271
Petroleum Coke	– –	– –	67,848	1,126	4,942	– –	1,084	– –	63,057	9,775	3,978
Marketable	– –	– –	53,163	1,126	4,942	– –	1,084	– –	63,057	-4,910	3,978
Catalyst	– –	– –	14,685	– –	– –	– –	– –	– –	– –	14,685	– –
Asphalt and Road Oil	– –	– –	10,449	–	110	– –	-431	– –	2,008	8,982	5,499
Still Gas	– –	– –	51,450	– –	– –	– –	– –	– –	– –	51,450	– –
Miscellaneous Products	– –	– –	7,855	–	-43	– –	14	– –	337	7,461	617
Total	**1,956,092**	**21,407**	**1,158,813**	**287,629**	**-195,649**	**111,334**	**5,666**	**1,074,277**	**1,330,862**	**928,822**	**984,922**

– – = 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, May 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]	**9,151**	**– –**	**– –**	**1,281**	**1,203**	**557**	**-400**	**8,911**	**3,680**	**0**
Hydrocarbon Gas Liquids	**3,879**	**-1**	**535**	**–**	**978**	**– –**	**371**	**347**	**1,904**	**2,770**
Natural Gas Liquids	3,879	-1	328	–	963	– –	374	347	1,904	2,544
Ethane	1,723	– –	4	–	589	– –	-64	– –	335	2,045
Propane	1,143	– –	163	–	324	– –	184	– –	1,263	183
Normal Butane	290	–	157	–	137	– –	209	37	299	39
Isobutane	310	–	4	–	30	– –	45	146	6	147
Natural Gasoline	413	-1	– –	–	-117	– –	-1	164	1	130
Refinery Olefins	– –	– –	207	–	16	– –	-3	– –	– –	226
Ethylene	– –	– –	–	–	–	– –	0	– –	– –	0
Propylene	– –	– –	203	–	16	– –	-8	– –	– –	227
Normal Butylene	– –	– –	4	–	–	– –	5	– –	– –	-1
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**158**	**– –**	**394**	**-2,004**	**103**	**-93**	**-1,761**	**385**	**120**
Hydrogen/Biofuels/Other Hydrocarbons	– –	158	– –	10	173	134	-11	299	59	128
Hydrogen	– –	– –	– –	–	– –	137	– –	137	– –	0
Biofuels (including Fuel Ethanol)	– –	158	– –	10	173	-4	-11	162	59	128
Fuel Ethanol	– –	24	– –	–	178	-4	-6	154	51	0
Biofuels (excluding Fuel Ethanol)[7]	– –	134	– –	10	-5	– –	-5	8	8	128
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	343	32	– –	-33	165	251	-8
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	41	-2,209	-31	-49	-2,225	75	0
Reformulated	– –	–	– –	–	-487	118	17	-388	2	0
Conventional	– –	–	– –	41	-1,722	-149	-66	-1,837	74	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	0	0	–	-1
Finished Petroleum Products	**– –**	**0**	**7,554**	**109**	**-1,551**	**35**	**92**	**– –**	**2,547**	**3,508**
Finished Motor Gasoline	– –	0	2,193	10	-130	35	7	– –	683	1,417
Reformulated	– –	–	475	–	–	-89	–	– –	–	386
Conventional	– –	0	1,718	10	-130	124	7	– –	683	1,031
Finished Aviation Gasoline	– –	– –	8	–	-3	– –	-2	– –	–	7
Kerosene-Type Jet Fuel	– –	–	881	–	-558	– –	30	– –	111	183
Kerosene	– –	–	8	–	–	– –	1	– –	0	7
Distillate Fuel Oil	– –	0	2,982	–	-878	– –	77	– –	1,068	958
15 ppm sulfur and under	– –	0	2,799	–	-865	– –	77	– –	900	958
Greater than 15 ppm to 500 ppm sulfur	– –	0	129	–	-3	– –	12	– –	124	-10
Greater than 500 ppm sulfur	– –	–	53	–	-11	– –	-12	– –	44	11
Residual Fuel Oil	– –	– –	135	30	18	– –	-15	– –	104	94
Less than 0.31 percent sulfur	– –	– –	30	–	2	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	31	–	8	– –	2	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	74	30	9	– –	-16	– –	NA	NA
Petrochemical Feedstocks	– –	– –	197	20	0	– –	-4	– –	15	207
Naphtha for Petro. Feed. Use	– –	– –	113	16	0	– –	-3	– –	–	132
Other Oils for Petro. Feed. Use	– –	– –	84	4	1	– –	-1	– –	15	75
Special Naphthas	– –	– –	27	14	0	– –	1	– –	–	39
Lubricants	– –	– –	136	35	-19	– –	-10	– –	97	65
Waxes	– –	– –	4	1	–	– –	0	– –	1	3
Petroleum Coke	– –	– –	485	–	19	– –	13	– –	458	32
Marketable	– –	– –	387	–	19	– –	13	– –	458	-66
Catalyst	– –	– –	98	– –	– –	– –	– –	– –	– –	98
Asphalt and Road Oil	– –	– –	73	–	0	– –	-12	– –	7	78
Still Gas	– –	– –	367	– –	– –	– –	– –	– –	– –	367
Miscellaneous Products	– –	– –	58	–	0	– –	4	– –	3	51
Total	**13,030**	**158**	**8,089**	**1,784**	**-1,374**	**694**	**-30**	**7,498**	**8,516**	**6,398**

– – = 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-May 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]	**9,190**	**– –**	**– –**	**1,283**	**1,215**	**619**	**-71**	**8,455**	**3,922**	**0**
Hydrocarbon Gas Liquids	**3,764**	**-1**	**426**	**0**	**916**	**– –**	**20**	**407**	**2,098**	**2,579**
Natural Gas Liquids	3,764	-1	233	0	899	– –	22	407	2,098	2,368
Ethane	1,696	– –	5	–	551	– –	-1	– –	352	1,900
Propane	1,113	– –	155	–	305	– –	14	– –	1,357	201
Normal Butane	268	–	78	0	134	– –	15	120	380	-36
Isobutane	312	–	-5	–	30	– –	10	142	4	180
Natural Gasoline	376	-1	– –	–	-121	– –	-16	145	4	122
Refinery Olefins	– –	– –	193	–	17	– –	-2	– –	– –	212
Ethylene	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	196	–	17	– –	-1	– –	– –	214
Normal Butylene	– –	– –	-3	–	–	– –	0	– –	– –	-3
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**142**	**– –**	**493**	**-1,936**	**51**	**35**	**-1,748**	**318**	**145**
Hydrogen/Biofuels/Other Hydrocarbons	– –	142	– –	9	167	120	1	277	59	101
Hydrogen	– –	– –	– –	–	– –	118	– –	118	– –	0
Biofuels (including Fuel Ethanol)	– –	142	– –	9	167	2	1	158	59	101
Fuel Ethanol	– –	22	– –	–	176	2	-2	148	53	0
Biofuels (excluding Fuel Ethanol)[7]	– –	120	– –	9	-9	– –	3	10	6	101
Other Hydrocarbons	– –	– –	– –	0	–	0	–	–	–	0
Unfinished Oils	– –	– –	– –	435	22	– –	2	207	204	44
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	49	-2,125	-69	32	-2,232	55	0
Reformulated	– –	–	– –	2	-344	154	17	-206	1	0
Conventional	– –	–	– –	47	-1,781	-223	15	-2,026	54	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	0	0	–	0
Finished Petroleum Products	**– –**	**0**	**7,248**	**129**	**-1,490**	**67**	**54**	**– –**	**2,475**	**3,427**
Finished Motor Gasoline	– –	0	2,173	2	-84	67	-5	– –	756	1,408
Reformulated	– –	–	463	–	–	-123	–	– –	–	340
Conventional	– –	0	1,710	2	-84	190	-5	– –	756	1,067
Finished Aviation Gasoline	– –	– –	8	–	-3	– –	0	– –	–	5
Kerosene-Type Jet Fuel	– –	–	859	–	-522	– –	25	– –	136	176
Kerosene	– –	–	6	–	-4	– –	0	– –	4	-2
Distillate Fuel Oil	– –	0	2,806	6	-915	– –	27	– –	928	941
15 ppm sulfur and under	– –	0	2,616	6	-902	– –	23	– –	788	908
Greater than 15 ppm to 500 ppm sulfur	– –	0	102	–	-3	– –	2	– –	93	5
Greater than 500 ppm sulfur	– –	–	88	–	-10	– –	2	– –	47	29
Residual Fuel Oil	– –	– –	138	52	26	– –	7	– –	102	107
Less than 0.31 percent sulfur	– –	– –	35	0	3	– –	1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	35	7	8	– –	11	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	68	45	16	– –	-5	– –	NA	NA
Petrochemical Feedstocks	– –	– –	197	12	2	– –	1	– –	29	181
Naphtha for Petro. Feed. Use	– –	– –	114	8	1	– –	1	– –	–	123
Other Oils for Petro. Feed. Use	– –	– –	83	4	1	– –	0	– –	29	58
Special Naphthas	– –	– –	28	15	-1	– –	1	– –	–	42
Lubricants	– –	– –	118	34	-22	– –	-7	– –	86	51
Waxes	– –	– –	4	0	–	– –	0	– –	1	4
Petroleum Coke	– –	– –	449	7	33	– –	7	– –	418	65
Marketable	– –	– –	352	7	33	– –	7	– –	418	-33
Catalyst	– –	– –	97	– –	– –	– –	– –	– –	– –	97
Asphalt and Road Oil	– –	– –	69	–	1	– –	-3	– –	13	59
Still Gas	– –	– –	341	– –	– –	– –	– –	– –	– –	341
Miscellaneous Products	– –	– –	52	–	0	– –	0	– –	2	49
Total	**12,954**	**142**	**7,674**	**1,905**	**-1,296**	**737**	**38**	**7,114**	**8,814**	**6,151**

– – = 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, May 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	**28,576**	**– –**	**– –**	**12,003**	**-22,776**	**-1,237**	**202**	**16,365**	**–**	**0**	**26,176**
Hydrocarbon Gas Liquids	**17,005**	**-10**	**459**	**356**	**-14,966**	**– –**	**971**	**475**	**9**	**1,389**	**7,028**
Natural Gas Liquids	17,005	-10	316	356	-14,966	– –	986	475	9	1,231	6,935
Ethane	5,484	– –	–	–	-5,218	– –	20	– –	–	246	1,182
Propane	5,852	– –	180	351	-5,025	– –	316	– –	2	1,040	2,279
Normal Butane	2,325	–	153	–	-1,969	– –	628	93	–	-212	2,256
Isobutane	1,039	–	-17	–	-950	– –	-2	198	–	-124	432
Natural Gasoline	2,305	-10	– –	5	-1,804	– –	24	184	8	281	786
Refinery Olefins	– –	– –	143	–	–	– –	-15	– –	– –	158	93
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	24	–	–	– –	0	– –	– –	24	3
Normal Butylene	– –	– –	119	–	–	– –	-15	– –	– –	134	90
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**1,117**	**– –**	**35**	**1,469**	**304**	**13**	**2,282**	**93**	**537**	**10,179**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,117	– –	6	517	302	131	1,214	64	533	844
Hydrogen	– –	– –	– –	–	– –	192	– –	192	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	1,117	– –	6	517	110	131	1,022	64	533	844
Fuel Ethanol	– –	410	– –	–	483	110	29	938	36	0	400
Biofuels (excluding Fuel Ethanol)[6]	– –	708	– –	6	34	– –	102	84	28	533	444
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	323	-356	29	4	3,483
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	29	952	2	-441	1,424	0	0	5,852
Reformulated	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	–	– –	29	952	2	-441	1,424	0	0	5,852
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**-1**	**19,155**	**193**	**265**	**-112**	**-334**	**– –**	**19**	**19,816**	**8,354**
Finished Motor Gasoline	– –	–	10,281	–	-33	-112	-93	– –	2	10,227	909
Reformulated	– –	–	–	–	–	–	0	– –	–	0	–
Conventional	– –	–	10,281	–	-33	-112	-93	– –	2	10,227	908
Finished Aviation Gasoline	– –	– –	7	1	–	– –	1	– –	–	7	10
Kerosene-Type Jet Fuel	– –	–	972	37	629	– –	16	– –	–	1,622	813
Kerosene	– –	–	–	–	–	– –	-1	– –	–	1	–
Distillate Fuel Oil	– –	-1	5,286	100	460	– –	-262	– –	–	6,107	3,494
15 ppm sulfur and under	– –	-1	5,262	100	460	– –	-295	– –	–	6,116	3,291
Greater than 15 ppm to 500 ppm sulfur	– –	–	24	–	–	– –	33	– –	–	-9	176
Greater than 500 ppm sulfur	– –	–	0	–	–	– –	0	– –	–	0	27
Residual Fuel Oil	– –	– –	312	–	–	– –	-22	– –	–	334	217
Less than 0.31 percent sulfur	– –	– –	165	–	–	– –	-12	– –	NA	NA	15
0.31 to 1.00 percent sulfur	– –	– –	10	–	–	– –	0	– –	NA	NA	8
Greater than 1.00 percent sulfur	– –	– –	137	–	–	– –	-10	– –	NA	NA	194
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Special Naphthas	– –	– –	–	–	–	– –	–	– –	–	–	–
Lubricants	– –	– –	–	–	–	– –	–	– –	15	-15	–
Waxes	– –	– –	–	–	–	– –	–	– –	0	0	–
Petroleum Coke	– –	– –	625	–	-493	– –	-28	– –	0	160	103
Marketable	– –	– –	424	–	-493	– –	-28	– –	0	-41	103
Catalyst	– –	– –	201	– –	– –	– –	– –	– –	– –	201	– –
Asphalt and Road Oil	– –	– –	998	55	-298	– –	58	– –	1	696	2,789
Still Gas	– –	– –	582	– –	– –	– –	– –	– –	– –	582	– –
Miscellaneous Products	– –	– –	92	–	–	– –	-3	– –	0	95	19
Total	**45,581**	**1,106**	**19,614**	**12,587**	**-36,007**	**-1,045**	**851**	**19,122**	**121**	**21,742**	**51,736**

– – = 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-May 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	**134,504**	**– –**	**– –**	**60,612**	**-105,301**	**-10,318**	**1,755**	**77,742**	**–**	**0**	**26,176**
Hydrocarbon Gas Liquids	**76,289**	**-41**	**1,327**	**3,590**	**-69,568**	**– –**	**908**	**2,593**	**36**	**8,059**	**7,028**
Natural Gas Liquids	76,289	-41	906	3,589	-69,568	– –	893	2,593	36	7,652	6,935
Ethane	23,339	– –	–	–	-22,922	– –	146	– –	0	271	1,182
Propane	27,126	– –	897	3,481	-23,860	– –	-118	– –	6	7,756	2,279
Normal Butane	10,724	–	118	99	-9,843	– –	845	929	0	-676	2,256
Isobutane	4,767	–	-109	–	-4,431	– –	7	796	–	-576	432
Natural Gasoline	10,333	-41	– –	9	-8,512	– –	13	868	29	879	786
Refinery Olefins	– –	– –	421	1	–	– –	15	– –	– –	407	93
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	102	1	–	– –	-7	– –	– –	110	3
Normal Butylene	– –	– –	319	–	–	– –	22	– –	– –	297	90
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**4,121**	**– –**	**533**	**6,171**	**1,305**	**472**	**8,781**	**233**	**2,644**	**10,179**
Hydrogen/Biofuels/Other Hydrocarbons	– –	4,121	– –	54	2,236	1,545	263	5,425	202	2,066	844
Hydrogen	– –	– –	– –	–	– –	940	– –	940	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	4,121	– –	54	2,236	605	263	4,485	202	2,066	844
Fuel Ethanol	– –	1,696	– –	–	2,140	605	58	4,217	166	0	400
Biofuels (excluding Fuel Ethanol)[6]	– –	2,425	– –	54	96	– –	205	268	35	2,066	444
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	488	-1,095	29	578	3,483
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	479	3,935	-240	-279	4,451	2	0	5,852
Reformulated	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	–	– –	479	3,935	-240	-279	4,451	2	0	5,852
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**-4**	**91,459**	**908**	**557**	**-365**	**413**	**– –**	**95**	**92,047**	**8,354**
Finished Motor Gasoline	– –	–	48,061	–	-953	-365	-377	– –	5	47,116	909
Reformulated	– –	–	–	–	–	–	1	– –	–	-1	–
Conventional	– –	–	48,061	–	-953	-365	-378	– –	5	47,117	908
Finished Aviation Gasoline	– –	– –	22	1	–	– –	1	– –	–	22	10
Kerosene-Type Jet Fuel	– –	–	4,384	215	4,103	– –	58	– –	–	8,644	813
Kerosene	– –	–	–	–	–	– –	-2	– –	–	2	–
Distillate Fuel Oil	– –	-4	26,559	287	776	– –	-201	– –	0	27,819	3,494
15 ppm sulfur and under	– –	-4	26,396	287	776	– –	-208	– –	0	27,663	3,291
Greater than 15 ppm to 500 ppm sulfur	– –	–	184	–	–	– –	28	– –	–	156	176
Greater than 500 ppm sulfur	– –	–	-21	–	–	– –	-21	– –	–	0	27
Residual Fuel Oil	– –	– –	1,570	15	–	– –	7	– –	–	1,578	217
Less than 0.31 percent sulfur	– –	– –	785	11	–	– –	-11	– –	NA	NA	15
0.31 to 1.00 percent sulfur	– –	– –	105	4	–	– –	4	– –	NA	NA	8
Greater than 1.00 percent sulfur	– –	– –	680	–	–	– –	14	– –	NA	NA	194
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Special Naphthas	– –	– –	–	1	–	– –	–	– –	–	1	–
Lubricants	– –	– –	–	–	–	– –	–	– –	81	-81	–
Waxes	– –	– –	–	–	–	– –	–	– –	1	-1	–
Petroleum Coke	– –	– –	3,395	–	-1,750	– –	6	– –	0	1,639	103
Marketable	– –	– –	2,407	–	-1,750	– –	6	– –	0	651	103
Catalyst	– –	– –	988	– –	– –	– –	– –	– –	– –	988	– –
Asphalt and Road Oil	– –	– –	3,924	389	-1,619	– –	918	– –	7	1,769	2,789
Still Gas	– –	– –	3,056	– –	– –	– –	– –	– –	– –	3,056	– –
Miscellaneous Products	– –	– –	488	–	–	– –	3	– –	0	485	19
Total	**210,793**	**4,076**	**92,786**	**65,643**	**-168,141**	**-9,378**	**3,549**	**89,116**	**364**	**102,750**	**51,736**

– – = 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, May 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	**922**	**– –**	**– –**	**387**	**-735**	**-40**	**7**	**528**	**–**	**0**
Hydrocarbon Gas Liquids	**549**	**0**	**15**	**11**	**-483**	**– –**	**31**	**15**	**0**	**45**
Natural Gas Liquids	549	0	10	11	-483	– –	32	15	0	40
Ethane	177	– –	–	–	-168	– –	1	– –	–	8
Propane	189	– –	6	11	-162	– –	10	– –	0	34
Normal Butane	75	–	5	–	-64	– –	20	3	–	-7
Isobutane	34	–	-1	–	-31	– –	0	6	–	-4
Natural Gasoline	74	0	– –	0	-58	– –	1	6	0	9
Refinery Olefins	– –	– –	5	–	–	– –	0	– –	– –	5
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	1	–	–	– –	0	– –	– –	1
Normal Butylene	– –	– –	4	–	–	– –	0	– –	– –	4
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**36**	**– –**	**1**	**47**	**10**	**0**	**74**	**3**	**17**
Hydrogen/Biofuels/Other Hydrocarbons	– –	36	– –	0	17	10	4	39	2	17
Hydrogen	– –	– –	– –	–	– –	6	– –	6	– –	0
Biofuels (including Fuel Ethanol)	– –	36	– –	0	17	4	4	33	2	17
Fuel Ethanol	– –	13	– –	–	16	4	1	30	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	23	– –	0	1	– –	3	3	1	17
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	10	-11	1	0
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	1	31	0	-14	46	0	0
Reformulated	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	–	– –	1	31	0	-14	46	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**618**	**6**	**9**	**-4**	**-11**	**– –**	**1**	**639**
Finished Motor Gasoline	– –	–	332	–	-1	-4	-3	– –	0	330
Reformulated	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	–	332	–	-1	-4	-3	– –	0	330
Finished Aviation Gasoline	– –	– –	0	0	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	–	31	1	20	– –	1	– –	–	52
Kerosene	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	0	171	3	15	– –	-8	– –	–	197
15 ppm sulfur and under	– –	0	170	3	15	– –	-10	– –	–	197
Greater than 15 ppm to 500 ppm sulfur	– –	–	1	–	–	– –	1	– –	–	0
Greater than 500 ppm sulfur	– –	–	0	–	–	– –	0	– –	–	0
Residual Fuel Oil	– –	– –	10	–	–	– –	-1	– –	–	11
Less than 0.31 percent sulfur	– –	– –	5	–	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	0	–	–	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	4	–	–	– –	0	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–
Special Naphthas	– –	– –	–	–	–	– –	–	– –	–	–
Lubricants	– –	– –	–	–	–	– –	–	– –	0	0
Waxes	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	20	–	-16	– –	-1	– –	0	5
Marketable	– –	– –	14	–	-16	– –	-1	– –	0	-1
Catalyst	– –	– –	6	– –	– –	– –	– –	– –	– –	6
Asphalt and Road Oil	– –	– –	32	2	-10	– –	2	– –	0	22
Still Gas	– –	– –	19	– –	– –	– –	– –	– –	– –	19
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	0	3
Total	**1,470**	**36**	**633**	**406**	**-1,162**	**-34**	**27**	**617**	**4**	**701**

– – = 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-May 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	**891**	**– –**	**– –**	**401**	**-697**	**-68**	**12**	**515**	**–**	**0**
Hydrocarbon Gas Liquids	**505**	**0**	**9**	**24**	**-461**	**– –**	**6**	**17**	**0**	**53**
Natural Gas Liquids	505	0	6	24	-461	– –	6	17	0	51
Ethane	155	– –	–	–	-152	– –	1	– –	0	2
Propane	180	– –	6	23	-158	– –	-1	– –	0	51
Normal Butane	71	–	1	1	-65	– –	6	6	0	-4
Isobutane	32	–	-1	–	-29	– –	0	5	–	-4
Natural Gasoline	68	0	– –	0	-56	– –	0	6	0	6
Refinery Olefins	– –	– –	3	0	–	– –	0	– –	– –	3
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	1	0	–	– –	0	– –	– –	1
Normal Butylene	– –	– –	2	–	–	– –	0	– –	– –	2
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**27**	**– –**	**4**	**41**	**9**	**3**	**58**	**2**	**18**
Hydrogen/Biofuels/Other Hydrocarbons	– –	27	– –	0	15	10	2	36	1	14
Hydrogen	– –	– –	– –	–	– –	6	– –	6	– –	0
Biofuels (including Fuel Ethanol)	– –	27	– –	0	15	4	2	30	1	14
Fuel Ethanol	– –	11	– –	–	14	4	0	28	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	16	– –	0	1	– –	1	2	0	14
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	3	-7	0	4
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	3	26	-2	-2	29	0	0
Reformulated	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	–	– –	3	26	-2	-2	29	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**606**	**6**	**4**	**-2**	**3**	**– –**	**1**	**610**
Finished Motor Gasoline	– –	–	318	–	-6	-2	-2	– –	0	312
Reformulated	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	–	318	–	-6	-2	-3	– –	0	312
Finished Aviation Gasoline	– –	– –	0	0	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	–	29	1	27	– –	0	– –	–	57
Kerosene	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	0	176	2	5	– –	-1	– –	0	184
15 ppm sulfur and under	– –	0	175	2	5	– –	-1	– –	0	183
Greater than 15 ppm to 500 ppm sulfur	– –	–	1	–	–	– –	0	– –	–	1
Greater than 500 ppm sulfur	– –	–	0	–	–	– –	0	– –	–	0
Residual Fuel Oil	– –	– –	10	0	–	– –	0	– –	–	10
Less than 0.31 percent sulfur	– –	– –	5	0	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	1	0	–	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	5	–	–	– –	0	– –	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	– –	– –	22	–	-12	– –	0	– –	0	11
Marketable	– –	– –	16	–	-12	– –	0	– –	0	4
Catalyst	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	26	3	-11	– –	6	– –	0	12
Still Gas	– –	– –	20	– –	– –	– –	– –	– –	– –	20
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	0	3
Total	**1,396**	**27**	**614**	**435**	**-1,114**	**-62**	**24**	**590**	**2**	**680**

– – = 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, May 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	**23,181**	**– –**	**– –**	**36,076**	**3,472**	**3,776**	**-425**	**66,929**	**–**	**0**	**51,745**
Hydrocarbon Gas Liquids	**2,042**	**-3**	**2,317**	**1,477**	**848**	**– –**	**703**	**2,278**	**1,225**	**2,474**	**3,560**
Natural Gas Liquids	2,042	-3	2,200	1,477	848	– –	707	2,278	1,225	2,353	3,514
Ethane	1	– –	–	–	–	– –	–	– –	–	1	–
Propane	240	– –	957	826	616	– –	590	– –	721	1,328	1,270
Normal Butane	566	–	1,169	651	117	– –	86	517	502	1,398	1,741
Isobutane	207	–	74	–	115	– –	38	805	0	-448	465
Natural Gasoline	1,028	-3	– –	–	–	– –	-7	956	1	74	38
Refinery Olefins	– –	– –	117	–	–	– –	-4	– –	– –	121	46
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	166	–	–	– –	-6	– –	– –	172	9
Normal Butylene	– –	– –	-49	–	–	– –	2	– –	– –	-51	37
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**1,566**	**– –**	**5,071**	**10,017**	**-634**	**-2,804**	**14,392**	**462**	**3,969**	**52,019**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,566	– –	1,121	5,944	907	-465	6,876	249	2,878	5,611
Hydrogen	– –	– –	– –	–	– –	1,340	– –	1,340	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	1,566	– –	1,121	5,944	-433	-465	5,536	249	2,878	5,611
Fuel Ethanol	– –	91	– –	–	5,349	-433	154	4,723	130	0	2,415
Biofuels (excluding Fuel Ethanol)[6]	– –	1,475	– –	1,121	595	– –	-619	813	119	2,878	3,195
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	2,334	–	– –	-1,215	2,444	13	1,092	19,085
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	1,616	4,073	-1,541	-1,124	5,072	200	0	27,324
Reformulated	– –	0	– –	–	1,432	25	-162	1,618	1	0	13,185
Conventional	– –	0	– –	1,616	2,641	-1,566	-962	3,454	199	0	14,138
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**61**	**85,307**	**4,911**	**1,583**	**1,974**	**-1,216**	**– –**	**8,352**	**86,700**	**32,544**
Finished Motor Gasoline	– –	54	46,250	970	102	1,974	51	– –	914	48,384	2,043
Reformulated	– –	–	32,052	–	–	-146	-4	– –	–	31,910	16
Conventional	– –	54	14,198	970	102	2,120	55	– –	914	16,475	2,027
Finished Aviation Gasoline	– –	– –	8	3	–	– –	-23	– –	–	34	217
Kerosene-Type Jet Fuel	– –	10	12,616	2,810	93	– –	-654	– –	473	15,709	8,476
Kerosene	– –	–	0	–	–	– –	0	– –	1	-1	7
Distillate Fuel Oil	– –	-2	14,607	858	906	– –	-375	– –	2,875	13,869	11,949
15 ppm sulfur and under	– –	-2	13,640	857	906	– –	-644	– –	2,771	13,274	10,855
Greater than 15 ppm to 500 ppm sulfur	– –	–	505	–	–	– –	199	– –	70	236	407
Greater than 500 ppm sulfur	– –	–	462	1	–	– –	70	– –	34	359	687
Residual Fuel Oil	– –	– –	2,406	162	–	– –	521	– –	2	2,045	4,842
Less than 0.31 percent sulfur	– –	– –	52	–	–	– –	-167	– –	NA	NA	902
0.31 to 1.00 percent sulfur	– –	– –	783	162	–	– –	42	– –	NA	NA	824
Greater than 1.00 percent sulfur	– –	– –	1,571	–	–	– –	646	– –	NA	NA	3,116
Petrochemical Feedstocks	– –	– –	164	29	–	– –	–	– –	–	193	–
Naphtha for Petro. Feed. Use	– –	– –	–	29	–	– –	–	– –	–	29	–
Other Oils for Petro. Feed. Use	– –	– –	164	–	–	– –	–	– –	–	164	–
Special Naphthas	– –	– –	46	9	–	– –	37	– –	–	18	54
Lubricants	– –	– –	282	28	8	– –	-317	– –	513	122	1,008
Waxes	– –	– –	–	11	–	– –	–	– –	5	6	–
Petroleum Coke	– –	– –	3,974	–	131	– –	-234	– –	3,537	803	879
Marketable	– –	– –	3,049	–	131	– –	-234	– –	3,537	-122	879
Catalyst	– –	– –	925	– –	– –	– –	– –	– –	– –	925	– –
Asphalt and Road Oil	– –	– –	911	31	343	– –	-226	– –	31	1,480	3,008
Still Gas	– –	– –	3,666	– –	– –	– –	– –	– –	– –	3,666	– –
Miscellaneous Products	– –	– –	377	–	–	– –	4	– –	0	373	62
Total	**25,223**	**1,624**	**87,624**	**47,535**	**15,920**	**5,116**	**-3,742**	**83,599**	**10,039**	**93,144**	**139,868**

– – = 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-May 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	**113,811**	**– –**	**– –**	**180,632**	**16,172**	**6,195**	**3,743**	**312,014**	**1,053**	**0**	**51,745**
Hydrocarbon Gas Liquids	**10,311**	**-15**	**7,269**	**8,051**	**5,161**	**– –**	**-296**	**12,043**	**8,364**	**10,666**	**3,560**
Natural Gas Liquids	10,311	-15	6,551	8,051	5,161	– –	-325	12,043	8,364	9,977	3,514
Ethane	5	– –	–	–	–	– –	–	– –	–	5	–
Propane	1,131	– –	4,309	5,255	2,433	– –	-210	– –	4,784	8,554	1,270
Normal Butane	2,878	–	1,732	2,785	2,160	– –	-292	3,566	3,498	2,782	1,741
Isobutane	1,061	–	510	11	568	– –	161	3,542	8	-1,561	465
Natural Gasoline	5,236	-15	– –	–	–	– –	16	4,935	74	197	38
Refinery Olefins	– –	– –	718	–	–	– –	29	– –	– –	689	46
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	843	–	–	– –	-5	– –	– –	848	9
Normal Butylene	– –	– –	-125	–	–	– –	34	– –	– –	-159	37
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**5,967**	**– –**	**19,837**	**46,856**	**-253**	**-2,523**	**60,722**	**3,108**	**11,100**	**52,019**
Hydrogen/Biofuels/Other Hydrocarbons	– –	5,968	– –	3,927	25,687	7,226	-104	32,281	1,280	9,352	5,611
Hydrogen	– –	– –	– –	–	– –	6,308	– –	6,308	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	5,968	– –	3,927	25,687	918	-104	25,973	1,280	9,352	5,611
Fuel Ethanol	– –	423	– –	–	21,558	918	-152	22,093	958	0	2,415
Biofuels (excluding Fuel Ethanol)[6]	– –	5,546	– –	3,927	4,129	– –	48	3,880	321	9,352	3,195
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	7,965	-155	– –	609	4,514	939	1,748	19,085
Motor Gasoline Blend.Comp. (MGBC)	– –	-1	– –	7,945	21,324	-7,479	-3,028	23,927	889	0	27,324
Reformulated	– –	0	– –	777	7,863	940	-2,168	11,744	4	0	13,185
Conventional	– –	-1	– –	7,168	13,461	-8,419	-860	12,183	886	0	14,138
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**273**	**400,913**	**22,519**	**8,791**	**6,561**	**-2,090**	**– –**	**44,161**	**396,985**	**32,544**
Finished Motor Gasoline	– –	255	216,293	3,638	423	6,561	-159	– –	4,393	222,936	2,043
Reformulated	– –	–	150,810	–	–	-333	1	– –	–	150,476	16
Conventional	– –	255	65,483	3,638	423	6,894	-160	– –	4,393	72,461	2,027
Finished Aviation Gasoline	– –	– –	8	7	–	– –	-120	– –	–	135	217
Kerosene-Type Jet Fuel	– –	26	61,869	13,548	885	– –	-454	– –	3,442	73,340	8,476
Kerosene	– –	–	6	–	–	– –	4	– –	1	1	7
Distillate Fuel Oil	– –	-9	68,442	2,230	5,196	– –	-1,350	– –	14,204	63,005	11,949
15 ppm sulfur and under	– –	-9	64,593	2,229	5,196	– –	-1,520	– –	12,066	61,463	10,855
Greater than 15 ppm to 500 ppm sulfur	– –	–	1,662	–	–	– –	175	– –	596	891	407
Greater than 500 ppm sulfur	– –	–	2,187	1	–	– –	-5	– –	1,542	651	687
Residual Fuel Oil	– –	– –	10,647	2,173	–	– –	-248	– –	3,305	9,763	4,842
Less than 0.31 percent sulfur	– –	– –	241	553	–	– –	201	– –	NA	NA	902
0.31 to 1.00 percent sulfur	– –	– –	3,291	1,583	–	– –	-30	– –	NA	NA	824
Greater than 1.00 percent sulfur	– –	– –	7,115	37	–	– –	-419	– –	NA	NA	3,116
Petrochemical Feedstocks	– –	– –	342	123	–	– –	–	– –	50	415	–
Naphtha for Petro. Feed. Use	– –	– –	–	123	–	– –	–	– –	–	123	–
Other Oils for Petro. Feed. Use	– –	– –	342	–	–	– –	–	– –	50	292	–
Special Naphthas	– –	– –	143	123	–	– –	22	– –	–	244	54
Lubricants	– –	– –	1,890	146	-64	– –	-19	– –	1,229	762	1,008
Waxes	– –	– –	–	45	–	– –	–	– –	23	22	–
Petroleum Coke	– –	– –	18,547	–	252	– –	-385	– –	17,385	1,799	879
Marketable	– –	– –	14,382	–	252	– –	-385	– –	17,385	-2,366	879
Catalyst	– –	– –	4,165	– –	– –	– –	– –	– –	– –	4,165	– –
Asphalt and Road Oil	– –	– –	3,713	486	2,099	– –	635	– –	130	5,533	3,008
Still Gas	– –	– –	17,105	– –	– –	– –	– –	– –	– –	17,105	– –
Miscellaneous Products	– –	– –	1,908	–	–	– –	-16	– –	1	1,923	62
Total	**124,122**	**6,225**	**408,182**	**231,039**	**76,980**	**12,503**	**-1,166**	**384,779**	**56,686**	**418,751**	**139,868**

– – = 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, May 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	**748**	**– –**	**– –**	**1,164**	**112**	**122**	**-14**	**2,159**	**–**	**0**
Hydrocarbon Gas Liquids	**66**	**0**	**75**	**48**	**27**	**– –**	**23**	**73**	**40**	**80**
Natural Gas Liquids	66	0	71	48	27	– –	23	73	40	76
Ethane	0	– –	–	–	–	– –	–	– –	–	0
Propane	8	– –	31	27	20	– –	19	– –	23	43
Normal Butane	18	–	38	21	4	– –	3	17	16	45
Isobutane	7	–	2	–	4	– –	1	26	0	-14
Natural Gasoline	33	0	– –	–	–	– –	0	31	0	2
Refinery Olefins	– –	– –	4	–	–	– –	0	– –	– –	4
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	5	–	–	– –	0	– –	– –	6
Normal Butylene	– –	– –	-2	–	–	– –	0	– –	– –	-2
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**51**	**– –**	**164**	**323**	**-20**	**-90**	**464**	**15**	**128**
Hydrogen/Biofuels/Other Hydrocarbons	– –	51	– –	36	192	29	-15	222	8	93
Hydrogen	– –	– –	– –	–	– –	43	– –	43	– –	0
Biofuels (including Fuel Ethanol)	– –	51	– –	36	192	-14	-15	179	8	93
Fuel Ethanol	– –	3	– –	–	173	-14	5	152	4	0
Biofuels (excluding Fuel Ethanol)[6]	– –	48	– –	36	19	– –	-20	26	4	93
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	75	–	– –	-39	79	0	35
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	52	131	-50	-36	164	6	0
Reformulated	– –	0	– –	–	46	1	-5	52	0	0
Conventional	– –	0	– –	52	85	-51	-31	111	6	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**2**	**2,752**	**158**	**51**	**64**	**-39**	**– –**	**269**	**2,797**
Finished Motor Gasoline	– –	2	1,492	31	3	64	2	– –	29	1,561
Reformulated	– –	–	1,034	–	–	-5	0	– –	–	1,029
Conventional	– –	2	458	31	3	68	2	– –	29	531
Finished Aviation Gasoline	– –	– –	0	0	–	– –	-1	– –	–	1
Kerosene-Type Jet Fuel	– –	0	407	91	3	– –	-21	– –	15	507
Kerosene	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	0	471	28	29	– –	-12	– –	93	447
15 ppm sulfur and under	– –	0	440	28	29	– –	-21	– –	89	428
Greater than 15 ppm to 500 ppm sulfur	– –	–	16	–	–	– –	6	– –	2	8
Greater than 500 ppm sulfur	– –	–	15	0	–	– –	2	– –	1	12
Residual Fuel Oil	– –	– –	78	5	–	– –	17	– –	0	66
Less than 0.31 percent sulfur	– –	– –	2	–	–	– –	-5	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	25	5	–	– –	1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	51	–	–	– –	21	– –	NA	NA
Petrochemical Feedstocks	– –	– –	5	1	–	– –	–	– –	–	6
Naphtha for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	5	–	–	– –	–	– –	–	5
Special Naphthas	– –	– –	1	0	–	– –	1	– –	–	1
Lubricants	– –	– –	9	1	0	– –	-10	– –	17	4
Waxes	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	128	–	4	– –	-8	– –	114	26
Marketable	– –	– –	98	–	4	– –	-8	– –	114	-4
Catalyst	– –	– –	30	– –	– –	– –	– –	– –	– –	30
Asphalt and Road Oil	– –	– –	29	1	11	– –	-7	– –	1	48
Still Gas	– –	– –	118	– –	– –	– –	– –	– –	– –	118
Miscellaneous Products	– –	– –	12	–	–	– –	0	– –	0	12
Total	**814**	**52**	**2,827**	**1,533**	**514**	**165**	**-121**	**2,697**	**324**	**3,005**

– – = 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-May 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	**754**	**– –**	**– –**	**1,196**	**107**	**41**	**25**	**2,066**	**7**	**0**
Hydrocarbon Gas Liquids	**68**	**0**	**48**	**53**	**34**	**– –**	**-2**	**80**	**55**	**71**
Natural Gas Liquids	68	0	43	53	34	– –	-2	80	55	66
Ethane	0	– –	–	–	–	– –	–	– –	–	0
Propane	7	– –	29	35	16	– –	-1	– –	32	57
Normal Butane	19	–	11	18	14	– –	-2	24	23	18
Isobutane	7	–	3	0	4	– –	1	23	0	-10
Natural Gasoline	35	0	– –	–	–	– –	0	33	0	1
Refinery Olefins	– –	– –	5	–	–	– –	0	– –	– –	5
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	6	–	–	– –	0	– –	– –	6
Normal Butylene	– –	– –	-1	–	–	– –	0	– –	– –	-1
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**40**	**– –**	**131**	**310**	**-2**	**-17**	**402**	**21**	**74**
Hydrogen/Biofuels/Other Hydrocarbons	– –	40	– –	26	170	48	-1	214	8	62
Hydrogen	– –	– –	– –	–	– –	42	– –	42	– –	0
Biofuels (including Fuel Ethanol)	– –	40	– –	26	170	6	-1	172	8	62
Fuel Ethanol	– –	3	– –	–	143	6	-1	146	6	0
Biofuels (excluding Fuel Ethanol)[6]	– –	37	– –	26	27	– –	0	26	2	62
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	53	-1	– –	4	30	6	12
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	53	141	-50	-20	158	6	0
Reformulated	– –	0	– –	5	52	6	-14	78	0	0
Conventional	– –	0	– –	47	89	-56	-6	81	6	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**2**	**2,655**	**149**	**58**	**43**	**-14**	**– –**	**292**	**2,629**
Finished Motor Gasoline	– –	2	1,432	24	3	43	-1	– –	29	1,476
Reformulated	– –	–	999	–	–	-2	0	– –	–	997
Conventional	– –	2	434	24	3	46	-1	– –	29	480
Finished Aviation Gasoline	– –	– –	0	0	–	– –	-1	– –	–	1
Kerosene-Type Jet Fuel	– –	0	410	90	6	– –	-3	– –	23	486
Kerosene	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	0	453	15	34	– –	-9	– –	94	417
15 ppm sulfur and under	– –	0	428	15	34	– –	-10	– –	80	407
Greater than 15 ppm to 500 ppm sulfur	– –	–	11	–	–	– –	1	– –	4	6
Greater than 500 ppm sulfur	– –	–	14	0	–	– –	0	– –	10	4
Residual Fuel Oil	– –	– –	71	14	–	– –	-2	– –	22	65
Less than 0.31 percent sulfur	– –	– –	2	4	–	– –	1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	22	10	–	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	47	0	–	– –	-3	– –	NA	NA
Petrochemical Feedstocks	– –	– –	2	1	–	– –	–	– –	0	3
Naphtha for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	2	–	–	– –	–	– –	0	2
Special Naphthas	– –	– –	1	1	–	– –	0	– –	–	2
Lubricants	– –	– –	13	1	0	– –	0	– –	8	5
Waxes	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	123	–	2	– –	-3	– –	115	12
Marketable	– –	– –	95	–	2	– –	-3	– –	115	-16
Catalyst	– –	– –	28	– –	– –	– –	– –	– –	– –	28
Asphalt and Road Oil	– –	– –	25	3	14	– –	4	– –	1	37
Still Gas	– –	– –	113	– –	– –	– –	– –	– –	– –	113
Miscellaneous Products	– –	– –	13	–	–	– –	0	– –	0	13
Total	**822**	**41**	**2,703**	**1,530**	**510**	**83**	**-8**	**2,548**	**375**	**2,773**

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

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,186	54,888	283,695	28,576	23,181	392,526	12,662
Alaskan	– –	– –	– –	– –	– –	13,335	430
Lower 48 States	– –	– –	– –	– –	– –	379,191	12,232
Imports (PAD District of Entry)	19,172	93,609	39,696	12,003	36,076	200,556	6,470
Commercial	19,172	93,609	39,696	12,003	36,076	200,556	6,470
Strategic Petroleum Reserve (SPR)	–	–	–	–	–	–	–
Net Receipts	2,152	-20,144	37,296	-22,776	3,472	–	–
Adjustments[1]	-423	-2,598	17,267	-1,237	3,776	16,785	541
Disposition							
Stock Change[2]	-247	4,444	-12,393	202	-425	-8,419	-272
Commercial	-247	4,444	-3,036	202	-425	938	30
SPR	–	–	-9,357	–	–	-9,357	-302
Refinery Inputs	23,334	117,936	276,255	16,365	66,929	500,819	16,155
Exports	0	3,375	114,092	–	–	117,467	3,789
Ending Stocks							
Total	7,900	125,220	604,145	26,176	51,745	815,186	– –
Commercial	7,900	125,220	249,779	26,176	51,745	460,820	– –
Refinery	6,602	13,104	44,346	2,771	22,102	88,925	– –
Tank Farms and Pipelines	1,298	112,116	205,433	23,405	25,100	367,352	– –
Cushing, Oklahoma	– –	40,356	– –	– –	– –	40,356	– –
Lease	– –	– –	– –	– –	– –	– –	– –
Alaskan Crude Oil In-Transit by Water	– –	– –	– –	– –	4,543	4,543	– –
SPR	–	–	354,366	–	–	354,366	– –
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	– –	– –	– –	– –	– –	43.5	– –
Percent of Total Petroleum Stocks (Percent)	– –	– –	– –	– –	– –	22.0	– –
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	19,172	93,609	39,696	12,003	36,076	200,556	6,470
PAD District of Processing	19,172	89,428	48,865	6,598	36,493	200,556	6,470

– – = 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, May 2023
(Thousand Barrels)

PAD District and State	May 2023		January-May 2023	
	Total	Daily Average	Total	Daily Average
PAD District 1	**2,186**	**71**	**10,603**	**70**
Florida	71	2	345	2
New York	23	1	110	1
Pennsylvania	421	14	2,013	13
Virginia	0	0	2	0
West Virginia	1,671	54	8,134	54
PAD District 2	**54,888**	**1,771**	**262,625**	**1,739**
Illinois	595	19	2,875	19
Indiana	135	4	632	4
Kansas	2,359	76	11,521	76
Kentucky	70	2	635	4
Michigan	393	13	1,855	12
Missouri	5	0	28	0
Nebraska	134	4	644	4
North Dakota	34,530	1,114	165,679	1,097
Ohio	2,795	90	12,652	84
Oklahoma	13,783	445	65,666	435
South Dakota	79	3	388	3
Tennessee	10	0	49	0
PAD District 3	**283,695**	**9,151**	**1,387,698**	**9,190**
Alabama	287	9	1,491	10
Arkansas	375	12	1,796	12
Louisiana	2,883	93	14,674	97
Mississippi	1,093	35	5,209	34
New Mexico	55,885	1,803	275,162	1,822
Texas	170,319	5,494	816,211	5,405
Federal Offshore PAD District 3	52,854	1,705	273,155	1,809
PAD District 4	**28,576**	**922**	**134,504**	**891**
Colorado	14,033	453	65,999	437
Idaho	3	0	15	0
Montana	1,964	63	9,820	65
Utah	4,555	147	20,694	137
Wyoming	8,021	259	37,976	251
PAD District 5	**23,181**	**748**	**113,811**	**754**
Alaska	13,335	430	66,256	439
South Alaska	266	9	1,311	9
North Slope	13,069	422	64,945	430
Arizona	1	0	3	0
California	9,643	311	46,604	309
Nevada	19	1	91	1
Federal Offshore PAD District 5	183	6	856	6
U.S. Total	**392,526**	**12,662**	**1,909,241**	**12,644**

¯ = 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, May 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	**5**	**20,725**	**20,730**	**5,181**	**14,229**	**18,211**	**37,621**
Natural Gas Liquids	5	20,725	20,730	5,181	14,229	18,211	37,621
Ethane	–	8,419	8,419	1,849	4,482	7,727	14,058
Propane	2	7,169	7,171	2,050	5,007	5,594	12,651
Normal Butane	3	2,181	2,184	477	2,133	1,921	4,531
Isobutane	–	953	953	440	674	917	2,031
Natural Gasoline	–	2,003	2,003	365	1,933	2,052	4,350

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	**96,763**	**5,338**	**4,807**	**368**	**12,971**	**120,247**	**17,005**	**2,042**	**197,645**
Natural Gas Liquids	96,763	5,338	4,807	368	12,971	120,247	17,005	2,042	197,645
Ethane	43,100	2,767	1,832	67	5,643	53,409	5,484	1	81,371
Propane	28,519	1,378	1,639	109	3,799	35,444	5,852	240	61,358
Normal Butane	10,293	-3,279	556	47	1,381	8,998	2,325	566	18,604
Isobutane	4,534	4,061	309	39	654	9,597	1,039	207	13,827
Natural Gasoline	10,317	411	471	106	1,494	12,799	2,305	1,028	22,485

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	**5**	**273**	**278**	**1,169**	**135**	**699**	**2,003**
Natural Gas Liquids	5	273	278	1,169	135	699	2,003
Ethane	–	–	–	33	3	176	212
Propane	3	135	138	580	53	255	888
Normal Butane	2	49	51	218	34	121	373
Isobutane	–	14	14	131	10	51	192
Natural Gasoline	–	75	75	207	35	96	338

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	**157**	**289**	**1,014**	**5**	**1**	**1,466**	**194**	**347**	**4,288**
Natural Gas Liquids	157	289	1,014	5	1	1,466	194	347	4,288
Ethane	2	20	–	–	–	22	7	–	241
Propane	49	45	21	2	–	117	87	140	1,370
Normal Butane	14	31	686	2	–	733	38	120	1,315
Isobutane	54	14	221	–	–	289	18	55	568
Natural Gasoline	38	179	86	1	1	305	44	32	794

– = 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, May 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	**20,420**	**2,914**	**23,334**	**78,477**	**15,441**	**24,018**	**117,936**
Hydrocarbon Gas Liquids	**165**	**–**	**165**	**1,707**	**82**	**870**	**2,659**
Natural Gas Liquids	165	–	165	1,707	82	870	2,659
Normal Butane	21	–	21	8	7	18	33
Isobutane	124	–	124	1,267	75	361	1,703
Natural Gasoline	20	–	20	432	–	491	923
Other Liquids	**85,972**	**6,266**	**92,238**	**11,103**	**4,007**	**4,734**	**19,844**
Hydrogen/Biofuels/Other Hydrocarbons	10,035	842	10,877	5,818	1,623	2,058	9,499
Hydrogen	50	2	52	661	219	192	1,072
Biofuels (including Fuel Ethanol)	9,985	840	10,825	5,131	1,404	1,866	8,401
Fuel Ethanol	9,697	720	10,417	4,959	1,160	1,720	7,839
Biodiesel	288	120	408	172	244	84	500
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	62	62
Other Hydrocarbons	–	–	–	26	–	–	26
Unfinished Oils (net)	1,945	-16	1,929	-335	-290	359	-266
Naphthas and Lighter	415	12	427	339	-169	283	453
Kerosene and Light Gas Oils	-242	–	-242	1	-132	-342	-473
Heavy Gas Oils	987	-26	961	-88	-5	350	257
Residuum	785	-2	783	-587	16	68	-503
Motor Gasoline Blend.Comp. (MGBC)(net)	73,992	5,440	79,432	5,620	2,674	2,317	10,611
Reformulated - RBOB	17,383	–	17,383	-403	1,364	891	1,852
Conventional	56,609	5,440	62,049	6,023	1,310	1,426	8,759
CBOB	46,033	5,444	51,477	6,022	938	1,481	8,441
GTAB	3,009	–	3,009	–	–	–	–
Other	7,567	-4	7,563	1	372	-55	318
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**106,557**	**9,180**	**115,737**	**91,287**	**19,530**	**29,622**	**140,439**

See footnotes at end of table.

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

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**18,654**	**152,816**	**94,722**	**7,658**	**2,405**	**276,255**	**16,365**	**66,929**	**500,819**
Hydrocarbon Gas Liquids	**578**	**6,896**	**3,153**	**33**	**92**	**10,752**	**475**	**2,278**	**16,329**
Natural Gas Liquids	578	6,896	3,153	33	92	10,752	475	2,278	16,329
Normal Butane	265	520	358	1	–	1,144	93	517	1,808
Isobutane	274	2,622	1,498	28	92	4,514	198	805	7,344
Natural Gasoline	39	3,754	1,297	4	–	5,094	184	956	7,177
Other Liquids	**11,690**	**-47,597**	**-26,387**	**7,644**	**68**	**-54,582**	**2,282**	**14,392**	**74,174**
Hydrogen/Biofuels/Other Hydrocarbons	2,314	3,469	2,167	1,137	181	9,268	1,214	6,876	37,734
Hydrogen	87	2,474	1,618	66	14	4,259	192	1,340	6,915
Biofuels (including Fuel Ethanol)	2,227	995	549	1,071	167	5,009	1,022	5,536	30,793
Fuel Ethanol	2,154	931	507	1,035	146	4,773	938	4,723	28,690
Biodiesel	73	61	25	36	14	209	45	401	1,563
Renewable Diesel Fuel	–	–	–	–	–	–	–	408	408
Other Biofuels[1]	–	3	17	–	7	27	39	4	132
Other Hydrocarbons	–	–	–	–	–	–	–	–	26
Unfinished Oils (net)	-48	-5,007	10,249	-82	2	5,114	-356	2,444	8,865
Naphthas and Lighter	97	-8,654	1,125	3	108	-7,321	71	371	-5,999
Kerosene and Light Gas Oils	12	-870	-28	-36	-54	-976	-177	-209	-2,077
Heavy Gas Oils	-120	189	7,995	42	-52	8,054	-255	1,726	10,743
Residuum	-37	4,328	1,157	-91	–	5,357	5	556	6,198
Motor Gasoline Blend.Comp. (MGBC)(net)	9,418	-46,059	-38,809	6,589	-115	-68,976	1,424	5,072	27,563
Reformulated - RBOB	6,512	-10,064	-8,019	7	-456	-12,020	–	1,618	8,833
Conventional	2,906	-35,995	-30,790	6,582	341	-56,956	1,424	3,454	18,730
CBOB	2,970	-32,564	-30,146	6,603	290	-52,847	1,381	1,978	10,430
GTAB	–	–	–	–	–	–	–	–	3,009
Other	-64	-3,431	-644	-21	51	-4,109	43	1,476	5,291
Aviation Gasoline Blend. Comp. (net)	6	–	6	–	–	12	–	–	12
Total Input	**30,922**	**112,115**	**71,488**	**15,335**	**2,565**	**232,425**	**19,122**	**83,599**	**591,322**

– – = 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, May 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	971	94	1,065	4,260	599	845	5,704
Natural Gas Liquids	720	94	814	3,109	477	595	4,181
Ethane	–	–	–	–	–	–	–
Propane	409	28	437	1,534	265	493	2,292
Normal Butane	370	83	453	1,790	267	161	2,218
Isobutane	-59	-17	-76	-215	-55	-59	-329
Natural Gasoline	–	–	–	–	–	–	–
Refinery Olefins	251	–	251	1,151	122	250	1,523
Ethylene	8	–	8	–	–	–	–
Propylene	271	–	271	828	122	229	1,179
Normal Butylene	-28	–	-28	323	–	21	344
Isobutylene	–	–	–	–	–	–	–
Finished Motor Gasoline	94,817	7,216	102,033	51,282	11,047	17,062	79,391
Reformulated	37,260	69	37,329	8,229	1,507	990	10,726
Reformulated Blended with Fuel Ethanol	37,255	69	37,324	8,229	1,506	990	10,725
Reformulated Other	5	–	5	–	1	–	1
Conventional	57,557	7,147	64,704	43,053	9,540	16,072	68,665
Conventional Blended with Fuel Ethanol	58,404	7,137	65,541	40,641	9,619	14,877	65,137
Ed55 and Lower	58,323	7,137	65,460	40,615	9,568	14,716	64,899
Greater than Ed55	81	–	81	26	51	161	238
Conventional Other	-847	10	-837	2,412	-79	1,195	3,528
Finished Aviation Gasoline	–	–	–	–	26	–	26
Kerosene-Type Jet Fuel	2,550	–	2,550	6,964	915	1,071	8,950
Kerosene	282	–	282	44	–	14	58
Distillate Fuel Oil	6,368	807	7,175	20,790	4,768	8,895	34,453
15 ppm sulfur and under	6,406	776	7,182	20,776	4,593	8,778	34,147
Greater than 15 ppm to 500 ppm sulfur	14	–	14	–	–	224	224
Greater than 500 ppm sulfur	-52	31	-21	14	175	-107	82
Residual Fuel Oil	673	5	678	756	171	109	1,036
Less than 0.31 percent sulfur	–	4	4	63	–	–	63
0.31 to 1.00 percent sulfur	396	1	397	283	105	16	404
Greater than 1.00 percent sulfur	277	–	277	410	66	93	569
Petrochemical Feedstocks	–	–	–	872	–	–	872
Naphtha for Petro. Feed. Use	–	–	–	519	–	–	519
Other Oils for Petro. Feed. Use	–	–	–	353	–	–	353
Special Naphthas	–	16	16	-44	–	14	-30
Lubricants	191	147	338	–	–	228	228
Waxes	–	-2	-2	–	–	46	46
Petroleum Coke	188	21	209	3,830	265	841	4,936
Marketable	13	–	13	2,770	104	618	3,492
Catalyst	175	21	196	1,060	161	223	1,444
Asphalt and Road Oil	498	729	1,227	3,226	1,674	347	5,247
Still Gas	1,012	67	1,079	2,876	571	1,028	4,475
Miscellaneous Products	28	38	66	323	105	49	477
Total	**107,578**	**9,138**	**116,716**	**95,179**	**20,141**	**30,549**	**145,869**
Processing Gain(-) or Loss(+)[1]	-1,021	42	-979	-3,892	-611	-927	-5,430

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, May 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	967	10,125	5,367	75	41	16,575	459	2,317	26,120
Natural Gas Liquids	636	6,423	3,010	46	41	10,156	316	2,200	17,667
Ethane	4	84	28	–	–	116	–	–	116
Propane	304	2,585	2,131	9	26	5,055	180	957	8,921
Normal Butane	347	3,671	784	37	15	4,854	153	1,169	8,847
Isobutane	-19	83	67	–	–	131	-17	74	-217
Natural Gasoline	–	–	–	–	–	–	–	–	–
Refinery Olefins	331	3,702	2,357	29	–	6,419	143	117	8,453
Ethylene	–	–	–	–	–	–	–	–	8
Propylene	336	3,548	2,392	29	–	6,305	24	166	7,945
Normal Butylene	-5	154	-35	–	–	114	119	-49	500
Isobutylene	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	21,714	24,457	10,562	9,753	1,498	67,984	10,281	46,250	305,939
Reformulated	7,767	6,968	–	–	–	14,735	–	32,052	94,842
Reformulated Blended with Fuel Ethanol	7,765	6,966	–	–	–	14,731	–	32,052	94,832
Reformulated Other	2	2	–	–	–	4	–	–	10
Conventional	13,947	17,489	10,562	9,753	1,498	53,249	10,281	14,198	211,097
Conventional Blended with Fuel Ethanol	13,597	2,154	5,081	10,249	1,447	32,528	9,133	14,528	186,867
Ed55 and Lower	13,585	2,153	5,081	10,229	1,445	32,493	9,105	14,518	186,475
Greater than Ed55	12	1	–	20	2	35	28	10	392
Conventional Other	350	15,335	5,481	-496	51	20,721	1,148	-330	24,230
Finished Aviation Gasoline	42	113	107	–	–	262	7	8	303
Kerosene-Type Jet Fuel	1,390	15,070	10,709	148	1	27,318	972	12,616	52,406
Kerosene	-2	241	0	7	–	246	–	0	586
Distillate Fuel Oil	5,656	47,671	35,515	2,680	914	92,436	5,286	14,607	153,957
15 ppm sulfur and under	5,727	45,089	32,446	2,600	914	86,776	5,262	13,640	147,007
Greater than 15 ppm to 500 ppm sulfur	-71	1,636	2,374	66	–	4,005	24	505	4,772
Greater than 500 ppm sulfur	–	946	695	14	–	1,655	0	462	2,178
Residual Fuel Oil	236	2,440	1,540	-28	-9	4,179	312	2,406	8,611
Less than 0.31 percent sulfur	245	–	696	–	–	941	165	52	1,225
0.31 to 1.00 percent sulfur	3	578	399	-28	–	952	10	783	2,546
Greater than 1.00 percent sulfur	-12	1,862	445	–	-9	2,286	137	1,571	4,840
Petrochemical Feedstocks	57	3,298	2,717	–	44	6,116	–	164	7,152
Naphtha for Petro. Feed. Use	50	2,117	1,330	–	–	3,497	–	–	4,016
Other Oils for Petro. Feed. Use	7	1,181	1,387	–	44	2,619	–	164	3,136
Special Naphthas	36	564	–	247	–	847	–	46	879
Lubricants	0	1,766	1,565	879	–	4,210	–	282	5,058
Waxes	–	31	62	22	–	115	–	–	159
Petroleum Coke	386	8,742	5,711	171	18	15,028	625	3,974	24,772
Marketable	164	7,060	4,616	156	–	11,996	424	3,049	18,974
Catalyst	222	1,682	1,095	15	18	3,032	201	925	5,798
Asphalt and Road Oil	249	397	572	973	76	2,267	998	911	10,650
Still Gas	686	6,487	3,840	318	50	11,381	582	3,666	21,183
Miscellaneous Products	132	1,126	513	18	8	1,797	92	377	2,809
Total	**31,549**	**122,528**	**78,780**	**15,263**	**2,641**	**250,761**	**19,614**	**87,624**	**620,584**
Processing Gain(-) or Loss(+)[1]	-627	-10,413	-7,292	72	-76	-18,336	-492	-4,025	-29,262

– = 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, May 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	**20,420**	**2,914**	**23,334**	**78,477**	**15,441**	**24,018**	**117,936**
Hydrocarbon Gas Liquids	**124**	**–**	**124**	**1,700**	**75**	**810**	**2,585**
Natural Gas Liquids	124	–	124	1,700	75	810	2,585
Normal Butane	–	–	–	4	–	–	4
Isobutane	124	–	124	1,267	75	361	1,703
Natural Gasoline	–	–	–	429	–	449	878
Other Liquids	**-8,441**	**93**	**-8,348**	**-35,241**	**-5,084**	**-9,592**	**-49,917**
Hydrogen/Biofuels/Other Hydrocarbons	115	146	261	936	471	430	1,837
Hydrogen	50	2	52	661	219	192	1,072
Biofuels (including Fuel Ethanol)	65	144	209	249	252	238	739
Fuel Ethanol	65	109	174	205	175	151	531
Biodiesel	–	35	35	44	77	25	146
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	62	62
Other Hydrocarbons	–	–	–	26	–	–	26
Unfinished Oils (net)	1,945	-16	1,929	-340	-290	359	-271
Naphthas and Lighter	415	12	427	339	-169	283	453
Kerosene and Light Gas Oils	-242	–	-242	1	-132	-342	-473
Heavy Gas Oils	987	-26	961	-93	-5	350	252
Residuum	785	-2	783	-587	16	68	-503
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,501	-37	-10,538	-35,837	-5,265	-10,381	-51,483
Reformulated - RBOB	-7,828	–	-7,828	-7,758	–	–	-7,758
Conventional	-2,673	-37	-2,710	-28,079	-5,265	-10,381	-43,725
CBOB	-2,427	-33	-2,460	-28,080	-5,321	-10,326	-43,727
GTAB	–	–	–	–	–	–	–
Other	-246	-4	-250	1	56	-55	2
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**12,103**	**3,007**	**15,110**	**44,936**	**10,432**	**15,236**	**70,604**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	712	94	806	2,530	520	774	3,824
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent)[2]	91.4	95.8	91.9	92.7	94.7	83.3	90.9
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	131	16	146	487	73	156	716
Catalytic Cracking	241	17	258	727	128	195	1,051
Catalytic Hydrocracking	30	–	30	207	37	35	280
Delayed and Fluid Coking	3	–	3	315	58	85	458
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.74	1.82	0.88	1.61	1.84	0.64	1.44
API Gravity, Weighted Average (degrees)	36.68	31.53	35.98	34.10	28.05	38.47	34.16
Operable Capacity (daily average)	**780**	**98**	**878**	**2,729**	**549**	**928**	**4,206**
Operating	780	98	878	2,587	549	928	4,064
Idle	–	–	–	142	–	–	142
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, May 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**18,654**	**152,816**	**94,722**	**7,658**	**2,405**	**276,255**	**16,365**	**66,929**	**500,819**
Hydrocarbon Gas Liquids	**572**	**3,958**	**3,130**	**32**	**92**	**7,784**	**448**	**2,271**	**13,212**
Natural Gas Liquids	572	3,958	3,130	32	92	7,784	448	2,271	13,212
Normal Butane	264	429	335	–	–	1,028	85	510	1,627
Isobutane	274	2,622	1,498	28	92	4,514	196	805	7,342
Natural Gasoline	34	907	1,297	4	–	2,242	167	956	4,243
Other Liquids	**-7,586**	**-56,567**	**-29,541**	**-1,602**	**-1,247**	**-96,543**	**-4,200**	**-29,425**	**-188,433**
Hydrogen/Biofuels/Other Hydrocarbons	335	2,524	1,851	117	36	4,863	512	1,782	9,255
Hydrogen	87	2,474	1,618	66	14	4,259	192	1,340	6,915
Biofuels (including Fuel Ethanol)	248	50	233	51	22	604	320	442	2,314
Fuel Ethanol	201	50	191	50	8	500	249	146	1,600
Biodiesel	47	-3	25	1	7	77	32	15	305
Renewable Diesel Fuel	–	–	–	–	–	–	–	277	277
Other Biofuels[1]	–	3	17	–	7	27	39	4	132
Other Hydrocarbons	–	–	–	–	–	–	–	–	26
Unfinished Oils (net)	-48	-5,007	10,249	-82	2	5,114	-356	2,444	8,860
Naphthas and Lighter	97	-8,654	1,125	3	108	-7,321	71	371	-5,999
Kerosene and Light Gas Oils	12	-870	-28	-36	-54	-976	-177	-209	-2,077
Heavy Gas Oils	-120	189	7,995	42	-52	8,054	-255	1,726	10,738
Residuum	-37	4,328	1,157	-91	–	5,357	5	556	6,198
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,879	-54,084	-41,647	-1,637	-1,285	-106,532	-4,356	-33,651	-206,560
Reformulated - RBOB	-574	-16,507	-8,019	–	-456	-25,556	–	-26,038	-67,180
Conventional	-7,305	-37,577	-33,628	-1,637	-829	-80,976	-4,356	-7,613	-139,380
CBOB	-7,241	-30,680	-32,350	-1,616	-804	-72,691	-4,398	-8,490	-131,766
GTAB	–	–	–	–	–	–	–	–	–
Other	-64	-6,897	-1,278	-21	-25	-8,285	42	877	-7,614
Aviation Gasoline Blend. Comp. (net)	6	–	6	–	–	12	–	–	12
Total Input to Refineries	**11,640**	**100,207**	**68,311**	**6,088**	**1,250**	**187,496**	**12,613**	**39,775**	**325,598**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	629	5,179	3,164	219	78	9,269	524	2,334	16,756
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operable Utilization Rate (percent)[2]	84.6	94.7	95.0	83.9	70.5	93.5	80.6	89.1	91.7
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	151	762	592	40	19	1,563	79	380	2,885
Catalytic Cracking	159	1,361	881	16	21	2,438	149	644	4,540
Catalytic Hydrocracking	50	572	465	16	5	1,107	17	392	1,825
Delayed and Fluid Coking	21	814	520	32	–	1,387	51	387	2,286
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.59	1.44	1.28	1.43	1.10	1.30	1.38	1.30	1.32
API Gravity, Weighted Average (degrees)	39.97	34.04	31.23	32.08	37.32	33.63	31.48	28.68	33.11
Operable Capacity (daily average)	**744**	**5,472**	**3,330**	**260**	**110**	**9,917**	**650**	**2,620**	**18,270**
Operating	744	5,472	3,330	210	110	9,867	605	2,620	18,033
Idle	–	–	–	50	–	50	46	–	237
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**12,496**	**12,496**

– – = 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, May 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	971	94	1,065	4,260	599	845	5,704
Natural Gas Liquids	720	94	814	3,109	477	595	4,181
Ethane	–	–	–	–	–	–	–
Propane	409	28	437	1,534	265	493	2,292
Normal Butane	370	83	453	1,790	267	161	2,218
Isobutane	-59	-17	-76	-215	-55	-59	-329
Natural Gasoline	–	–	–	–	–	–	–
Refinery Olefins	251	–	251	1,151	122	250	1,523
Ethylene	8	–	8	–	–	–	–
Propylene	271	–	271	828	122	229	1,179
Normal Butylene	-28	–	-28	323	–	21	344
Isobutylene	–	–	–	–	–	–	–
Finished Motor Gasoline	645	1,124	1,769	5,032	2,116	2,733	9,881
Reformulated	645	–	645	–	–	–	–
Reformulated Blended with Fuel Ethanol	645	–	645	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	1,124	1,124	5,032	2,116	2,733	9,881
Conventional Blended with Fuel Ethanol	–	1,089	1,089	2,064	1,703	1,525	5,292
Ed55 and Lower	–	1,089	1,089	2,064	1,703	1,525	5,292
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	35	35	2,968	413	1,208	4,589
Finished Aviation Gasoline	–	–	–	–	26	–	26
Kerosene-Type Jet Fuel	2,550	–	2,550	6,987	915	1,073	8,975
Kerosene	286	–	286	44	–	14	58
Distillate Fuel Oil	6,081	726	6,807	20,671	4,600	8,836	34,107
15 ppm sulfur and under	6,119	695	6,814	20,657	4,425	8,719	33,801
Greater than 15 ppm to 500 ppm sulfur	-15	–	-15	–	–	113	113
Greater than 500 ppm sulfur	-23	31	8	14	175	4	193
Residual Fuel Oil	673	5	678	756	171	109	1,036
Less than 0.31 percent sulfur	–	4	4	63	–	–	63
0.31 to 1.00 percent sulfur	396	1	397	283	105	16	404
Greater than 1.00 percent sulfur	277	–	277	410	66	93	569
Petrochemical Feedstocks	–	–	–	872	–	–	872
Naphtha for Petro. Feed. Use	–	–	–	519	–	–	519
Other Oils for Petro. Feed. Use	–	–	–	353	–	–	353
Special Naphthas	–	16	16	-44	–	14	-30
Lubricants	191	147	338	–	–	228	228
Waxes	–	-2	-2	–	–	46	46
Petroleum Coke	188	21	209	3,830	265	841	4,936
Marketable	13	–	13	2,770	104	618	3,492
Catalyst	175	21	196	1,060	161	223	1,444
Asphalt and Road Oil	498	729	1,227	3,221	1,674	343	5,238
Still Gas	1,012	67	1,079	2,876	571	1,028	4,475
Miscellaneous Products	28	38	66	323	105	49	477
Total	**13,123**	**2,965**	**16,088**	**48,828**	**11,042**	**16,159**	**76,029**
Processing Gain(-) or Loss(+)[1]	-1,020	42	-978	-3,892	-610	-923	-5,425

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, May 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	967	10,125	5,367	75	41	16,575	459	2,317	26,120
Natural Gas Liquids	636	6,423	3,010	46	41	10,156	316	2,200	17,667
Ethane	4	84	28	–	–	116	–	–	116
Propane	304	2,585	2,131	9	26	5,055	180	957	8,921
Normal Butane	347	3,671	784	37	15	4,854	153	1,169	8,847
Isobutane	-19	83	67	–	–	131	-17	74	-217
Natural Gasoline	–	–	–	–	–	–	–	–	–
Refinery Olefins	331	3,702	2,357	29	–	6,419	143	117	8,453
Ethylene	–	–	–	–	–	–	–	–	8
Propylene	336	3,548	2,392	29	–	6,305	24	166	7,945
Normal Butylene	-5	154	-35	–	–	114	119	-49	500
Isobutylene	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	2,461	12,612	7,385	543	188	23,189	3,786	2,950	41,575
Reformulated	–	–	–	–	–	–	–	683	1,328
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	683	1,328
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	2,461	12,612	7,385	543	188	23,189	3,786	2,267	40,247
Conventional Blended with Fuel Ethanol	2,085	500	1,934	533	84	5,136	2,474	726	14,717
Ed55 and Lower	2,085	500	1,934	533	84	5,136	2,474	726	14,717
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	376	12,112	5,451	10	104	18,053	1,312	1,541	25,530
Finished Aviation Gasoline	42	113	107	–	–	262	7	8	303
Kerosene-Type Jet Fuel	1,391	15,034	10,697	148	–	27,270	910	12,611	52,316
Kerosene	-2	277	0	7	–	282	–	0	626
Distillate Fuel Oil	5,629	47,610	35,528	2,646	910	92,323	5,335	14,093	152,665
15 ppm sulfur and under	5,700	45,028	32,459	2,566	910	86,663	5,311	13,133	145,722
Greater than 15 ppm to 500 ppm sulfur	-71	1,636	2,374	66	–	4,005	24	505	4,632
Greater than 500 ppm sulfur	–	946	695	14	–	1,655	0	455	2,311
Residual Fuel Oil	236	2,440	1,468	-28	-9	4,107	312	2,406	8,539
Less than 0.31 percent sulfur	245	–	696	–	–	941	165	52	1,225
0.31 to 1.00 percent sulfur	3	578	399	-28	–	952	10	784	2,547
Greater than 1.00 percent sulfur	-12	1,862	373	–	-9	2,214	137	1,570	4,767
Petrochemical Feedstocks	57	3,298	2,717	–	44	6,116	–	164	7,152
Naphtha for Petro. Feed. Use	50	2,117	1,330	–	–	3,497	–	–	4,016
Other Oils for Petro. Feed. Use	7	1,181	1,387	–	44	2,619	–	164	3,136
Special Naphthas	36	564	–	247	–	847	–	46	879
Lubricants	0	1,766	1,565	879	–	4,210	–	282	5,058
Waxes	–	31	62	22	–	115	–	–	159
Petroleum Coke	386	8,742	5,711	171	18	15,028	625	3,974	24,772
Marketable	164	7,060	4,616	156	–	11,996	424	3,049	18,974
Catalyst	222	1,682	1,095	15	18	3,032	201	925	5,798
Asphalt and Road Oil	249	397	644	973	76	2,339	998	911	10,713
Still Gas	686	6,487	3,840	318	50	11,381	582	3,666	21,183
Miscellaneous Products	132	1,126	513	18	8	1,797	92	377	2,809
Total	**12,270**	**110,622**	**75,604**	**6,019**	**1,326**	**205,841**	**13,106**	**43,805**	**354,869**
Processing Gain(-) or Loss(+)[1]	-630	-10,415	-7,293	69	-76	-18,345	-493	-4,030	-29,271

– = 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, May 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	**41**	**–**	**41**	**7**	**7**	**60**	**74**
Natural Gas Liquids	41	–	41	7	7	60	74
Normal Butane	21	–	21	4	7	18	29
Isobutane	–	–	–	–	–	–	–
Natural Gasoline	20	–	20	3	–	42	45
Other Liquids	**94,413**	**6,173**	**100,586**	**46,344**	**9,091**	**14,326**	**69,761**
Oxygenates/Renewables	9,920	696	10,616	4,882	1,152	1,628	7,662
Biofuels (including Fuel Ethanol)	9,920	696	10,616	4,882	1,152	1,628	7,662
Fuel Ethanol	9,632	611	10,243	4,754	985	1,569	7,308
Biodiesel	288	85	373	128	167	59	354
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	5	–	–	5
Naphthas and Lighter	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	5	–	–	5
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	84,493	5,477	89,970	41,457	7,939	12,698	62,094
Reformulated - RBOB	25,211	–	25,211	7,355	1,364	891	9,610
Conventional	59,282	5,477	64,759	34,102	6,575	11,807	52,484
CBOB	48,460	5,477	53,937	34,102	6,259	11,807	52,168
GTAB	3,009	–	3,009	–	–	–	–
Other	7,813	–	7,813	–	316	–	316
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**94,454**	**6,173**	**100,627**	**46,351**	**9,098**	**14,386**	**69,835**

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	**6**	**2,938**	**23**	**1**	**–**	**2,968**	**27**	**7**	**3,117**
Natural Gas Liquids	6	2,938	23	1	–	2,968	27	7	3,117
Normal Butane	1	91	23	1	–	116	8	7	181
Isobutane	–	–	–	–	–	–	2	–	2
Natural Gasoline	5	2,847	–	–	–	2,852	17	–	2,934
Other Liquids	**19,276**	**8,970**	**3,154**	**9,246**	**1,315**	**41,961**	**6,482**	**43,817**	**262,607**
Oxygenates/Renewables	1,979	945	316	1,020	145	4,405	702	5,094	28,479
Biofuels (including Fuel Ethanol)	1,979	945	316	1,020	145	4,405	702	5,094	28,479
Fuel Ethanol	1,953	881	316	985	138	4,273	689	4,577	27,090
Biodiesel	26	64	–	35	7	132	13	386	1,258
Renewable Diesel Fuel	–	–	–	–	–	–	–	131	131
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	–	–	–	–	–	5
Naphthas and Lighter	–	–	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	–	–	–	–	–	5
Residuum	–	–	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	17,297	8,025	2,838	8,226	1,170	37,556	5,780	38,723	234,123
Reformulated - RBOB	7,086	6,443	–	7	–	13,536	–	27,656	76,013
Conventional	10,211	1,582	2,838	8,219	1,170	24,020	5,780	11,067	158,110
CBOB	10,211	-1,884	2,204	8,219	1,094	19,844	5,779	10,468	142,196
GTAB	–	–	–	–	–	–	–	–	3,009
Other	–	3,466	634	–	76	4,176	1	599	12,905
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–	–	–
Total Input	**19,282**	**11,908**	**3,177**	**9,247**	**1,315**	**44,929**	**6,509**	**43,824**	**265,724**

– – = 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, May 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	94,172	6,092	100,264	46,250	8,931	14,329	69,510
Reformulated	36,615	69	36,684	8,229	1,507	990	10,726
Reformulated Blended with Fuel Ethanol	36,610	69	36,679	8,229	1,506	990	10,725
Reformulated Other	5	–	5	–	1	–	1
Conventional	57,557	6,023	63,580	38,021	7,424	13,339	58,784
Conventional Blended with Fuel Ethanol	58,404	6,048	64,452	38,577	7,916	13,352	59,845
Ed55 and Lower	58,323	6,048	64,371	38,551	7,865	13,191	59,607
Greater than Ed55	81	–	81	26	51	161	238
Conventional Other	-847	-25	-872	-556	-492	-13	-1,061
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	–	0	-23	–	-2	-25
Kerosene	-4	–	-4	–	–	–	–
Distillate Fuel Oil	287	81	368	119	168	59	346
15 ppm sulfur and under	287	81	368	119	168	59	346
Greater than 15 ppm to 500 ppm sulfur	29	–	29	–	–	111	111
Greater than 500 ppm sulfur	-29	–	-29	–	–	-111	-111
Residual Fuel Oil	–	–	–	–	–	–	–
Less than 0.31 percent sulfur	–	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–
Greater than 1.00 percent sulfur	–	–	–	–	–	–	–
Special Naphthas	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	–	5	–	4	9
Miscellaneous Products	–	–	–	–	–	–	–
Total Production	**94,455**	**6,173**	**100,628**	**46,351**	**9,099**	**14,390**	**69,840**
Processing Gain(-) or Loss(+)[1]	-1	0	-1	0	-1	-4	-5

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	19,253	11,845	3,177	9,210	1,310	44,795	6,495	43,300	264,364
Reformulated	7,767	6,968	–	–	–	14,735	–	31,369	93,514
Reformulated Blended with Fuel Ethanol	7,765	6,966	–	–	–	14,731	–	31,369	93,504
Reformulated Other	2	2	–	–	–	4	–	–	10
Conventional	11,486	4,877	3,177	9,210	1,310	30,060	6,495	11,931	170,850
Conventional Blended with Fuel Ethanol	11,512	1,654	3,147	9,716	1,363	27,392	6,659	13,802	172,150
Ed55 and Lower	11,500	1,653	3,147	9,696	1,361	27,357	6,631	13,792	171,758
Greater than Ed55	12	1	–	20	2	35	28	10	392
Conventional Other	-26	3,223	30	-506	-53	2,668	-164	-1,871	-1,300
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	-1	36	12	–	1	48	62	5	90
Kerosene	–	-36	–	–	–	-36	–	–	-40
Distillate Fuel Oil	27	61	-13	34	4	113	-49	514	1,292
15 ppm sulfur and under	27	61	-13	34	4	113	-49	507	1,285
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	140
Greater than 500 ppm sulfur	–	–	–	–	–	–	–	7	-133
Residual Fuel Oil	–	–	72	–	–	72	–	0	72
Less than 0.31 percent sulfur	–	–	–	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–	-1	-1
Greater than 1.00 percent sulfur	–	–	72	–	–	72	–	1	73
Special Naphthas	–	–	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	-72	–	–	-72	–	–	-63
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total Production	**19,279**	**11,906**	**3,176**	**9,244**	**1,315**	**44,920**	**6,508**	**43,819**	**265,715**
Processing Gain(-) or Loss(+)[1]	3	2	1	3	0	9	1	5	9

– = 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, May 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	**5,659**	**943**	**6,602**	**9,000**	**1,994**	**2,110**	**13,104**
Petroleum Products	**10,291**	**2,285**	**12,576**	**29,710**	**8,766**	**10,665**	**49,141**
Hydrocarbon Gas Liquids	429	14	443	2,364	443	796	3,603
Natural Gas Liquids	310	14	324	1,904	422	780	3,106
Ethane	–	–	–	–	–	–	–
Propane	83	3	86	591	42	198	831
Normal Butane	166	2	168	969	351	206	1,526
Isobutane	61	9	70	251	29	242	522
Natural Gasoline	–	–	–	93	–	134	227
Refinery Olefins	119	0	119	460	21	16	497
Ethylene	–	–	–	–	–	–	–
Propylene	111	0	111	400	21	11	432
Normal Butylene	8	0	8	60	0	5	65
Isobutylene	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	133	98	231	48	62	31	141
Biofuels (including Fuel Ethanol)	133	98	231	35	62	31	128
Fuel Ethanol	133	89	222	29	52	27	108
Biodiesel	–	9	9	6	10	4	20
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	13	–	–	13
Unfinished Oils	3,472	322	3,794	8,616	1,232	4,183	14,031
Naphthas and Lighter	730	179	909	1,976	335	1,044	3,355
Kerosene and Light Gas Oils	527	–	527	1,902	622	751	3,275
Heavy Gas Oils	1,650	135	1,785	3,226	275	1,471	4,972
Residuum	565	8	573	1,512	–	917	2,429
Motor Gasoline Blending Components (MGBC)	2,970	234	3,204	8,228	1,704	2,861	12,793
Reformulated - RBOB	1,017	–	1,017	1,082	–	–	1,082
Conventional	1,953	234	2,187	7,146	1,704	2,861	11,711
CBOB	257	186	443	3,037	957	1,815	5,809
GTAB	–	–	–	–	–	–	–
Other	1,696	48	1,744	4,109	747	1,046	5,902
Aviation Gasoline Blending Components	–	–	–	–	–	–	–
Finished Motor Gasoline	–	51	51	617	103	172	892
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	51	51	617	103	172	892
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	51	51	617	103	172	892
Finished Aviation Gasoline	–	–	–	–	35	–	35
Kerosene-Type Jet Fuel	575	–	575	1,574	340	245	2,159
Kerosene	96	3	99	100	–	54	154
Distillate Fuel Oil	1,477	200	1,677	3,731	1,191	1,482	6,404
15 ppm sulfur and under	1,095	141	1,236	3,632	815	1,272	5,719
Greater than 15 ppm to 500 ppm sulfur	44	34	78	–	–	172	172
Greater than 500 ppm sulfur	338	25	363	99	376	38	513
Residual Fuel Oil	315	19	334	551	192	81	824
Less than 0.31 percent sulfur	–	17	17	117	–	–	117
0.31 to 1.00 percent sulfur	108	2	110	87	58	34	179
Greater than 1.00 percent sulfur	207	–	207	347	134	47	528
Petrochemical Feedstocks	–	–	–	545	–	–	545
Naphtha for Petro. Feed. Use	–	–	–	428	–	–	428
Other Oils for Petro. Feed. Use	–	–	–	117	–	–	117
Special Naphthas	–	27	27	82	–	13	95
Lubricants	721	241	962	–	–	237	237
Waxes	–	359	359	–	–	68	68
Petroleum Coke	–	–	–	336	1,421	270	2,027
Marketable	–	–	–	336	1,421	270	2,027
Catalyst	–	–	–	–	–	–	–
Asphalt and Road Oil	95	667	762	2,853	2,025	165	5,043
Miscellaneous Products	8	50	58	65	18	7	90
Total Stocks, All Oils	**15,950**	**3,228**	**19,178**	**38,710**	**10,760**	**12,775**	**62,245**

See footnotes at end of table.

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

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**2,059**	**25,430**	**15,408**	**1,171**	**278**	**44,346**	**2,771**	**22,102**	**88,925**
Petroleum Products	**11,666**	**63,859**	**39,762**	**4,004**	**1,110**	**120,401**	**10,350**	**46,470**	**238,938**
Hydrocarbon Gas Liquids	2,892	1,757	1,157	9	49	5,864	440	1,431	11,781
Natural Gas Liquids	2,394	1,566	892	8	49	4,909	347	1,385	10,071
Ethane	20	2	–	–	–	22	–	–	22
Propane	592	404	82	2	3	1,083	42	100	2,142
Normal Butane	1,219	893	280	2	39	2,433	179	872	5,178
Isobutane	497	222	307	4	7	1,037	94	410	2,133
Natural Gasoline	66	45	223	–	–	334	32	3	596
Refinery Olefins	498	191	265	1	0	955	93	46	1,710
Ethylene	0	0	–	–	–	0	–	–	0
Propylene	487	48	56	1	0	592	3	9	1,147
Normal Butylene	11	143	209	0	0	363	90	37	563
Isobutylene	0	0	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	48	1,066	125	28	9	1,276	111	1,046	2,805
Biofuels (including Fuel Ethanol)	48	1,066	125	28	9	1,276	111	1,046	2,792
Fuel Ethanol	35	1,028	75	20	6	1,164	106	203	1,803
Biodiesel	13	38	50	8	3	112	5	8	154
Renewable Diesel Fuel	–	–	–	–	–	–	–	835	835
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	13
Unfinished Oils	3,583	24,102	13,289	1,037	496	42,507	3,483	17,649	81,464
Naphthas and Lighter	1,582	6,427	1,856	320	108	10,293	761	2,980	18,298
Kerosene and Light Gas Oils	597	4,195	1,560	211	155	6,718	890	3,254	14,664
Heavy Gas Oils	927	10,249	7,435	449	233	19,293	1,425	9,173	36,648
Residuum	477	3,231	2,438	57	–	6,203	407	2,242	11,854
Motor Gasoline Blending Components (MGBC)	2,701	13,391	10,715	281	237	27,325	2,702	12,838	58,862
Reformulated - RBOB	137	1,429	383	–	21	1,970	–	4,831	8,900
Conventional	2,564	11,962	10,332	281	216	25,355	2,702	8,007	49,962
CBOB	1,167	4,336	5,527	227	24	11,281	1,145	2,129	20,807
GTAB	–	–	–	–	–	–	–	–	–
Other	1,397	7,626	4,805	54	192	14,074	1,557	5,878	29,155
Aviation Gasoline Blending Components	22	–	16	–	–	38	–	–	38
Finished Motor Gasoline	84	1,568	1,208	26	6	2,892	604	824	5,263
Reformulated	–	–	–	–	–	–	–	16	16
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	16	16
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	84	1,568	1,208	26	6	2,892	604	808	5,247
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	48	–	48
Ed55 and Lower	–	–	–	–	–	–	48	–	48
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	84	1,568	1,208	26	6	2,892	556	808	5,199
Finished Aviation Gasoline	20	195	153	–	–	368	10	98	511
Kerosene-Type Jet Fuel	486	2,972	2,389	104	–	5,951	296	2,900	11,881
Kerosene	26	30	1	5	–	62	–	1	316
Distillate Fuel Oil	879	9,269	5,144	425	92	15,809	1,466	4,735	30,091
15 ppm sulfur and under	840	7,591	4,378	261	92	13,162	1,301	3,885	25,303
Greater than 15 ppm to 500 ppm sulfur	39	319	218	25	–	601	138	390	1,379
Greater than 500 ppm sulfur	–	1,359	548	139	–	2,046	27	460	3,409
Residual Fuel Oil	291	2,161	978	8	66	3,504	217	2,200	7,079
Less than 0.31 percent sulfur	15	–	47	–	–	62	15	22	233
0.31 to 1.00 percent sulfur	99	522	305	8	–	934	8	383	1,614
Greater than 1.00 percent sulfur	177	1,639	626	–	66	2,508	194	1,795	5,232
Petrochemical Feedstocks	41	1,435	460	3	25	1,964	–	–	2,509
Naphtha for Petro. Feed. Use	35	993	436	3	–	1,467	–	–	1,895
Other Oils for Petro. Feed. Use	6	442	24	–	25	497	–	–	614
Special Naphthas	74	561	–	230	–	865	–	54	1,041
Lubricants	40	2,279	2,081	877	–	5,277	–	774	7,250
Waxes	–	92	108	71	–	271	–	–	698
Petroleum Coke	60	2,587	1,331	–	–	3,978	103	879	6,987
Marketable	60	2,587	1,331	–	–	3,978	103	879	6,987
Catalyst	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	309	140	537	899	128	2,013	899	979	9,696
Miscellaneous Products	110	254	70	1	2	437	19	62	666
Total Stocks, All Oils	**13,725**	**89,289**	**55,170**	**5,175**	**1,388**	**164,747**	**13,121**	**68,572**	**327,863**

– – = 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, May 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	4.3	3.2	4.2	5.4	3.9	3.4	4.8
Finished Motor Gasoline[1]	48.9	36.3	47.4	49.4	46.4	49.5	49.1
Finished Aviation Gasoline[2]	–	–	–	–	0.2	–	0.0
Kerosene-Type Jet Fuel	11.4	–	10.1	8.9	6.0	4.4	7.6
Kerosene	1.3	–	1.1	0.1	–	0.1	0.1
Distillate Fuel Oil[3]	27.1	23.8	26.8	26.2	29.4	35.6	28.5
Residual Fuel Oil	3.0	0.2	2.7	1.0	1.1	0.4	0.9
Naphtha for Petro. Feed. Use	–	–	–	0.7	–	–	0.4
Other Oils for Petro. Feed. Use	–	–	–	0.5	–	–	0.3
Special Naphthas	–	0.6	0.1	-0.1	–	0.1	0.0
Lubricants	0.9	5.1	1.3	–	–	0.9	0.2
Waxes	–	-0.1	0.0	–	–	0.2	0.0
Petroleum Coke	0.8	0.7	0.8	4.9	1.7	3.4	4.2
Asphalt and Road Oil	2.2	25.1	4.9	4.1	10.9	1.4	4.4
Still Gas	4.5	2.3	4.3	3.7	3.7	4.2	3.8
Miscellaneous Products	0.1	1.3	0.3	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+)[4]	-4.6	1.5	-3.9	-4.9	-4.0	-3.8	-4.6

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	5.2	6.7	5.0	1.0	1.7	5.8	2.8	3.3	5.1
Finished Motor Gasoline[1]	51.2	41.7	42.9	27.5	56.7	42.5	46.0	48.3	45.2
Finished Aviation Gasoline[2]	0.2	0.1	0.1	–	–	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	7.4	10.0	10.0	1.9	–	9.6	5.6	17.8	10.1
Kerosene	0.0	0.2	0.0	0.1	–	0.1	–	0.0	0.1
Distillate Fuel Oil[3]	29.9	31.7	33.3	34.6	37.0	32.3	32.5	19.5	29.4
Residual Fuel Oil	1.3	1.6	1.4	-0.4	-0.4	1.4	1.9	3.4	1.7
Naphtha for Petro. Feed. Use	0.3	1.4	1.3	–	–	1.2	–	–	0.8
Other Oils for Petro. Feed. Use	0.0	0.8	1.3	–	1.8	0.9	–	0.2	0.6
Special Naphthas	0.2	0.4	–	3.2	–	0.3	–	0.1	0.2
Lubricants	0.0	1.2	1.5	11.5	–	1.5	–	0.4	1.0
Waxes	–	0.0	0.1	0.3	–	0.0	–	–	0.0
Petroleum Coke	2.1	5.8	5.4	2.2	0.7	5.3	3.9	5.6	4.8
Asphalt and Road Oil	1.3	0.3	0.6	12.7	3.1	0.8	6.2	1.3	2.1
Still Gas	3.7	4.3	3.6	4.2	2.1	4.0	3.6	5.2	4.1
Miscellaneous Products	0.7	0.8	0.5	0.2	0.3	0.6	0.6	0.5	0.5
Processing Gain(-) or Loss(+)[4]	-3.4	-6.9	-6.8	0.9	-3.1	-6.4	-3.0	-5.7	-5.7

– = 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, May 2023
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil		
	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	**53**	**1,496**	**1,549**
Connecticut	–	–	–
Delaware	–	–	–
Florida	–	831	831
Georgia	–	100	100
Maine	–	–	–
Maryland	–	–	–
Massachusetts	–	–	–
New Hampshire	–	–	–
New Jersey	–	511	511
New York	–	–	–
North Carolina	–	–	–
Pennsylvania	–	–	–
Rhode Island	–	–	–
South Carolina	53	54	107
Vermont	–	–	–
Virginia	–	–	–
West Virginia	–	–	–
PAD District 2	**6**	**29**	**35**
Illinois	–	–	–
Indiana	–	–	–
Michigan	–	29	29
Minnesota	1	–	1
North Dakota	5	–	5
Ohio	–	–	–
Wisconsin	–	–	–
PAD District 3	**–**	**937**	**937**
Alabama	–	–	–
Louisiana	–	–	–
Mississippi	–	–	–
New Mexico	–	–	–
Texas	–	937	937
PAD District 4	**–**	**–**	**–**
Idaho	–	–	–
Montana	–	–	–
PAD District 5	**162**	**–**	**162**
Alaska	–	–	–
California	78	–	78
Hawaii	–	–	–
Oregon	–	–	–
Washington	84	–	84
U.S. Total	**221**	**2,462**	**2,683**

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

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**19,172**	**89,428**	**48,865**	**6,598**	**36,493**	**200,556**	**6,470**
Hydrocarbon Gas Liquids	**692**	**1,467**	**–**	**356**	**1,477**	**3,992**	**129**
Natural Gas Liquids	360	1,222	–	356	1,477	3,415	110
Ethane	–	–	–	–	–	–	–
Propane	257	610	–	351	826	2,044	66
Normal Butane	103	373	–	–	651	1,127	36
Isobutane	–	239	–	–	–	239	8
Natural Gasoline	–	–	–	5	–	5	0
Refinery Olefins	332	245	–	–	–	577	19
Ethylene	–	–	–	–	–	–	–
Propylene	332	151	–	–	–	483	16
Normal Butylene	–	94	–	–	–	94	3
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**19,880**	**317**	**12,223**	**35**	**5,071**	**37,526**	**1,211**
Hydrogen/Biofuels/Other Hydrocarbons	471	81	302	6	1,121	1,981	64
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	471	81	302	6	1,121	1,981	64
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	298	81	302	6	145	832	27
Renewable Diesel Fuel	173	–	–	–	976	1,149	37
Other Biofuels[3]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils[1]	2,119	–	10,638	–	2,334	15,091	487
Naphthas and Lighter	334	–	–	–	–	334	11
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	751	–	4,952	–	1,752	7,455	240
Residuum	1,034	–	5,686	–	582	7,302	236
Motor Gasoline Blend.Comp. (MGBC)	17,290	236	1,283	29	1,616	20,454	660
Reformulated - RBOB	4,961	–	–	–	–	4,961	160
Conventional	12,329	236	1,283	29	1,616	15,493	500
CBOB	1,723	166	–	–	–	1,889	61
GTAB	2,838	–	–	–	–	2,838	92
Other	7,768	70	1,283	29	1,616	10,766	347
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**13,304**	**1,262**	**3,379**	**193**	**4,911**	**23,049**	**744**
Finished Motor Gasoline	4,934	–	300	–	970	6,204	200
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	4,934	–	300	–	970	6,204	200
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	4,934	–	300	–	970	6,204	200
Finished Aviation Gasoline	–	6	–	1	3	10	0
Kerosene-Type Jet Fuel	1,886	–	–	37	2,810	4,733	153
Bonded Aircraft Fuel	238	–	–	–	480	718	23
Other	1,648	–	–	37	2,330	4,015	130
Kerosene	–	20	–	–	–	20	1
Distillate Fuel Oil	4,003	253	–	100	858	5,214	168
15 ppm sulfur and under	3,995	248	–	100	857	5,200	168
Bonded	–	–	–	–	–	–	–
Other	3,995	248	–	100	857	5,200	168
Greater than 15 ppm to 500 ppm sulfur	8	3	–	–	–	11	0
Bonded	–	–	–	–	–	–	–
Other	8	3	–	–	–	11	0
Greater than 500 ppm to 2000 ppm sulfur	–	2	–	–	1	3	0
Bonded	–	–	–	–	–	–	–
Other	–	2	–	–	1	3	0
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	1,549	35	937	–	162	2,683	87
Less than 0.31 percent sulfur	–	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	53	6	–	–	162	221	7
Greater than 1.00 percent sulfur	1,496	29	937	–	–	2,462	79
Petrochemical Feedstocks	95	159	620	–	29	903	29
Naphtha for Petro. Feed. Use	94	84	497	–	29	704	23
Other Oils for Petro. Feed. Use	1	75	123	–	–	199	6
Special Naphthas	2	20	422	–	9	453	15
Lubricants	164	213	1,083	–	28	1,488	48
Waxes	81	14	17	–	11	123	4
Petroleum Coke (Marketable)	1	31	–	–	–	32	1
Asphalt and Road Oil	589	511	–	55	31	1,186	38
Miscellaneous Products	–	–	–	–	–	–	–
Total	**53,048**	**92,474**	**64,467**	**7,182**	**47,952**	**265,123**	**8,552**

– – = 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-May 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**88,478**	**425,595**	**225,643**	**38,331**	**182,778**	**960,825**	**6,363**
Hydrocarbon Gas Liquids	**6,588**	**9,661**	**9**	**3,590**	**8,051**	**27,899**	**185**
Natural Gas Liquids	5,105	8,348	9	3,589	8,051	25,102	166
Ethane	–	–	–	–	–	–	–
Propane	4,880	5,054	–	3,481	5,255	18,670	124
Normal Butane	210	2,082	9	99	2,785	5,185	34
Isobutane	15	1,202	–	–	11	1,228	8
Natural Gasoline	–	10	–	9	–	19	0
Refinery Olefins	1,483	1,313	–	1	–	2,797	19
Ethylene	–	–	–	–	–	–	–
Propylene	1,483	756	–	1	–	2,240	15
Normal Butylene	–	557	–	–	–	557	4
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**81,845**	**2,907**	**74,479**	**533**	**19,837**	**179,601**	**1,189**
Hydrogen/Biofuels/Other Hydrocarbons	2,357	490	1,351	54	3,927	8,179	54
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	2,357	490	1,336	54	3,927	8,164	54
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	2,184	490	1,283	54	619	4,630	31
Renewable Diesel Fuel	173	–	53	–	3,308	3,534	23
Other Biofuels[3]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	15	–	–	15	0
Unfinished Oils[1]	9,012	–	65,695	–	7,965	82,672	547
Naphthas and Lighter	3,062	–	317	–	–	3,379	22
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	3,212	–	32,951	–	7,091	43,254	286
Residuum	2,738	–	32,427	–	874	36,039	239
Motor Gasoline Blend.Comp. (MGBC)	70,476	2,417	7,433	479	7,945	88,750	588
Reformulated - RBOB	21,474	–	292	–	777	22,543	149
Conventional	49,002	2,417	7,141	479	7,168	66,207	438
CBOB	7,488	548	–	–	1,269	9,305	62
GTAB	10,380	–	–	–	401	10,781	71
Other	31,134	1,869	7,141	479	5,498	46,121	305
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	65,441	7,319	19,473	908	22,519	115,660	766
Finished Motor Gasoline	15,114	–	354	–	3,638	19,106	127
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	15,114	–	354	–	3,638	19,106	127
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	15,114	–	354	–	3,638	19,106	127
Finished Aviation Gasoline	18	22	–	1	7	48	0
Kerosene-Type Jet Fuel	8,445	–	–	215	13,548	22,208	147
Bonded Aircraft Fuel	339	–	–	–	3,544	3,883	26
Other	8,106	–	–	215	10,004	18,325	121
Kerosene	504	20	–	–	–	524	3
Distillate Fuel Oil	26,909	1,331	833	287	2,230	31,590	209
15 ppm sulfur and under	26,767	1,259	833	287	2,229	31,375	208
Bonded	–	–	481	–	–	481	3
Other	26,767	1,259	352	287	2,229	30,894	205
Greater than 15 ppm to 500 ppm sulfur	11	20	–	–	–	31	0
Bonded	–	–	–	–	–	–	–
Other	11	20	–	–	–	31	0
Greater than 500 ppm to 2000 ppm sulfur	131	52	–	–	1	184	1
Bonded	–	–	–	–	–	–	–
Other	131	52	–	–	1	184	1
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	9,144	372	7,913	15	2,173	19,617	130
Less than 0.31 percent sulfur	998	–	65	11	553	1,627	11
0.31 to 1.00 percent sulfur	2,139	35	1,065	4	1,583	4,826	32
Greater than 1.00 percent sulfur	6,007	337	6,783	–	37	13,164	87
Petrochemical Feedstocks	416	818	1,752	–	123	3,109	21
Naphtha for Petro. Feed. Use	380	454	1,189	–	123	2,146	14
Other Oils for Petro. Feed. Use	36	364	563	–	–	963	6
Special Naphthas	10	39	2,265	1	123	2,438	16
Lubricants	605	1,184	5,185	–	146	7,120	47
Waxes	434	69	45	–	45	593	4
Petroleum Coke (Marketable)	1	89	1,126	–	–	1,216	8
Asphalt and Road Oil	3,841	3,375	–	389	486	8,091	54
Miscellaneous Products	–	–	–	–	–	–	–
Total	242,352	445,482	319,604	43,362	233,185	1,283,985	8,503

– – = 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, May 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	**31,344**	**53**	**–**	**5,992**	**–**	**17**	**17**	**435**	**1,546**	**1,981**
Algeria	934	–	–	1,769	–	–	–	–	–	–
Angola	1,378	–	–	–	–	–	–	–	278	278
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	53	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	6,012	–	–	3,382	–	–	–	–	–	–
Kuwait	746	–	–	–	–	–	–	–	–	–
Libya	2,337	–	–	–	–	–	–	–	–	–
Nigeria	4,832	–	–	–	–	–	–	–	145	145
Saudi Arabia	9,378	–	–	841	–	–	–	–	813	813
United Arab Emirates	–	–	–	–	–	17	17	435	310	745
Venezuela	5,727	–	–	–	–	–	–	–	–	–
Non-OPEC	**169,212**	**3,362**	**577**	**9,099**	**–**	**6,187**	**6,187**	**4,526**	**13,947**	**18,473**
Argentina	1,419	–	–	–	–	13	13	–	372	372
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	830	830	–	275	275
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	510	510	–	124	124
Brazil	3,094	–	–	1,111	–	250	250	–	383	383
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	122,780	3,362	577	1,059	–	413	413	2,466	1,502	3,968
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	6,541	–	–	325	–	–	–	–	175	175
Denmark	–	–	–	–	–	2	2	1	78	79
Ecuador	5,251	–	–	656	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	23	23	9	422	431
France	–	–	–	–	–	466	466	22	207	229
Germany	–	–	–	–	–	–	–	–	33	33
Guatemala	281	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	216	216	–	2,856	2,856
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	171	–	98	98	–	659	659
Korea, South	–	–	–	–	–	580	580	–	602	602
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	193	193
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	21,969	–	–	4,817	–	–	–	–	–	–
Netherlands	383	–	–	263	–	564	564	738	1,181	1,919
Norway	402	–	–	–	–	702	702	258	642	900
Oman	–	–	–	–	–	4	4	–	30	30
Portugal	–	–	–	–	–	4	4	1	1,188	1,189
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	62	–	197	197	31	1,153	1,184
Sweden	–	–	–	–	–	22	22	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	618	–	–	–	–	–	–	–	–	–
United Kingdom	407	–	–	–	–	870	870	1,000	121	1,121
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	6,067	0	0	635	–	423	423	0	1,751	1,751
Total	**200,556**	**3,415**	**577**	**15,091**	**–**	**6,204**	**6,204**	**4,961**	**15,493**	**20,454**
Persian Gulf[4]	**16,136**	**–**	**–**	**4,223**	**–**	**17**	**17**	**435**	**1,123**	**1,558**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 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	–	**832**	**1,149**	–	**5,200**	**11**	**3**	–	**5,214**	**20**	**10**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	5	–	–	–	5	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	266	–	–	4,594	11	3	–	4,608	20	10
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	173	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	314	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	116	–	–	–	–	–	–	–	–	–
Korea, South	–	63	–	–	300	–	–	–	300	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	73	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	976	–	255	0	0	–	255	0	0
Total	–	**832**	**1,149**	–	**5,200**	**11**	**3**	–	**5,214**	**20**	**10**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 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	**–**	**1,075**	**–**	**–**	**–**	**25**	**25**	**7**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	15	15	–	–
Kuwait	–	498	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	10	10	7	–
United Arab Emirates	–	577	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**3,658**	**453**	**–**	**221**	**2,437**	**2,658**	**697**	**199**
Argentina	–	–	–	–	–	–	–	–	18
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	21	–	2	–	2	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	704	98	–	168	406	574	85	100
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	419	419	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	41
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	191	–	–	–	–	–	39	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	39	–
Korea, South	–	2,503	318	–	–	–	–	261	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	1,455	1,455	35	40
Netherlands	–	–	–	–	–	94	94	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	4	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	13	–	13	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	4	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	260	16	–	38	63	101	230	0
Total	**–**	**4,733**	**453**	**–**	**221**	**2,462**	**2,683**	**704**	**199**
Persian Gulf[4]	**–**	**1,075**	**–**	**–**	**–**	**25**	**25**	**7**	**–**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 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	**–**	**–**	**–**	**139**	**–**	**9,289**	**40,633**	**1,011**	**300**	**1,311**
Algeria	–	–	–	–	–	1,769	2,703	30	57	87
Angola	–	–	–	–	–	278	1,656	44	9	53
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	53	53	–	2	2
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	3,397	9,409	194	110	304
Kuwait	–	–	–	–	–	498	1,244	24	16	40
Libya	–	–	–	–	–	–	2,337	75	–	75
Nigeria	–	–	–	–	–	145	4,977	156	5	161
Saudi Arabia	–	–	–	–	–	1,671	11,049	303	54	356
United Arab Emirates	–	–	–	139	–	1,478	1,478	–	48	48
Venezuela	–	–	–	–	–	–	5,727	185	–	185
Non-OPEC	**123**	**32**	**1,186**	**1,349**	**–**	**55,278**	**224,490**	**5,458**	**1,783**	**7,242**
Argentina	–	–	–	–	–	403	1,822	46	13	59
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	1,105	1,105	–	36	36
Bahrain	–	–	–	97	–	97	97	–	3	3
Belgium	–	–	–	1	–	635	635	–	20	20
Brazil	–	–	–	–	–	1,772	4,866	100	57	157
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	87	31	1,186	278	–	17,426	140,206	3,961	562	4,523
Chad	–	–	–	–	–	–	–	–	–	–
China	7	–	–	–	–	7	7	–	0	0
Colombia	–	–	–	–	–	919	7,460	211	30	241
Denmark	–	–	–	–	–	81	81	–	3	3
Ecuador	–	–	–	–	–	657	5,908	169	21	191
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	627	627	–	20	20
France	–	–	–	6	–	742	742	–	24	24
Germany	–	–	–	21	–	368	368	–	12	12
Guatemala	–	–	–	–	–	–	281	9	–	9
India	–	–	–	–	–	3,302	3,302	–	107	107
Indonesia	–	–	–	56	–	56	56	–	2	2
Italy	–	–	–	5	–	1,088	1,088	–	35	35
Korea, South	–	–	–	373	–	5,000	5,000	–	161	161
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	193	193	–	6	6
Malaysia	4	–	–	–	–	4	4	–	0	0
Mexico	–	–	–	–	–	6,347	28,316	709	205	913
Netherlands	–	–	–	92	–	2,932	3,315	12	95	107
Norway	–	–	–	–	–	1,602	2,004	13	52	65
Oman	–	–	–	–	–	38	38	–	1	1
Portugal	–	–	–	–	–	1,193	1,193	–	38	38
Qatar	–	–	–	416	–	416	416	–	13	13
Russia	–	–	–	–	–	–	–	–	–	–
Spain	1	–	–	–	–	1,575	1,575	–	51	51
Sweden	–	–	–	2	–	24	24	–	1	1
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	618	20	–	20
United Kingdom	12	–	–	–	–	2,007	2,414	13	65	78
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	12	1	0	2	–	4,662	10,729	195	150	346
Total	**123**	**32**	**1,186**	**1,488**	**–**	**64,567**	**265,123**	**6,470**	**2,083**	**8,552**
Persian Gulf[4]	**–**	**–**	**–**	**652**	**–**	**7,557**	**23,693**	**521**	**244**	**764**

– – = 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-May 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	**159,307**	**977**	**–**	**34,511**	**–**	**34**	**34**	**565**	**5,919**	**6,484**
Algeria	2,537	–	–	3,825	–	–	–	–	1,913	1,913
Angola	4,584	–	–	–	–	–	–	–	875	875
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	1,029	977	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	34,887	–	–	19,931	–	–	–	–	–	–
Kuwait	2,341	–	–	577	–	–	–	–	70	70
Libya	10,131	–	–	–	–	–	–	–	–	–
Nigeria	27,842	–	–	257	–	–	–	–	600	600
Saudi Arabia	58,337	–	–	9,551	–	–	–	–	1,951	1,951
United Arab Emirates	1,428	–	–	370	–	34	34	565	510	1,075
Venezuela	16,191	–	–	–	–	–	–	–	–	–
Non-OPEC	**801,518**	**24,125**	**2,797**	**48,161**	**–**	**19,072**	**19,072**	**21,978**	**60,288**	**82,266**
Argentina	6,388	–	–	294	–	25	25	–	1,238	1,238
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	3,626	3,626	100	1,252	1,352
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2,057	–	829	829	148	1,055	1,203
Brazil	18,472	–	–	4,187	–	250	250	–	730	730
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	583,867	23,957	2,797	1,991	–	1,663	1,663	11,332	9,108	20,440
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	323	323	–	–	–
Colombia	28,478	–	–	843	–	–	–	–	242	242
Denmark	–	–	–	–	–	2	2	1	84	85
Ecuador	19,955	–	–	3,017	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	429	429	279	1,300	1,579
France	–	–	–	200	–	1,867	1,867	316	1,629	1,945
Germany	–	–	–	9	–	8	8	–	113	113
Guatemala	281	–	–	–	–	–	–	–	–	–
India	–	–	–	2,446	–	641	641	551	10,495	11,046
Indonesia	–	–	–	134	–	–	–	–	–	–
Italy	–	–	–	798	–	315	315	311	4,950	5,261
Korea, South	–	–	–	–	–	1,827	1,827	–	3,528	3,528
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	108	108	–	526	526
Malaysia	–	–	–	3,248	–	–	–	–	269	269
Mexico	106,782	–	–	20,759	–	–	–	–	230	230
Netherlands	383	–	–	1,156	–	2,163	2,163	3,391	5,371	8,762
Norway	1,737	–	–	–	–	1,816	1,816	568	1,984	2,552
Oman	–	–	–	–	–	4	4	–	293	293
Portugal	–	–	–	–	–	38	38	1	3,752	3,753
Qatar	517	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	628	–	918	918	31	5,055	5,086
Sweden	–	–	–	199	–	476	476	–	560	560
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	3,638	168	–	–	–	–	–	–	–	–
United Kingdom	5,681	–	–	708	–	891	891	4,949	1,144	6,093
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	24,722	0	0	5,440	–	853	853	0	5,380	5,380
Total	**960,825**	**25,102**	**2,797**	**82,672**	**–**	**19,106**	**19,106**	**22,543**	**66,207**	**88,750**
Persian Gulf[4]	**97,510**	**–**	**–**	**30,429**	**–**	**34**	**34**	**565**	**2,531**	**3,096**

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-May 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels[3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	**–**	**–**	**–**	**–**	**1,111**	**–**	**–**	**–**	**1,111**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	308	–	–	–	308	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	53	–	–	–	53	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**4,630**	**3,534**	**–**	**30,264**	**31**	**184**	**–**	**30,479**	**524**	**48**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	90	–	–	57	–	–	–	57	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	493	–	–	–	493	–	–
Canada	–	1,324	–	–	22,191	31	53	–	22,275	20	30
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	1,090	–	–	–	1,090	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	226	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	1,775	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	484	–	–	–	–	–	–	–	–	–
Korea, South	–	241	–	–	759	–	–	–	759	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	37	61	–	55	–	117	–	172	–	18
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	679	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	3,247	–	1,009	0	0	–	1,009	0	0
Total	**–**	**4,630**	**3,534**	**–**	**31,375**	**31**	**184**	**–**	**31,590**	**524**	**48**
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-May 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	**–**	**4,061**	**–**	**998**	**386**	**877**	**2,261**	**7**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	–	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	567	567	–	–
Kuwait	–	2,627	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	694	–	–	–	279	279	7	–
United Arab Emirates	–	736	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**18,147**	**2,438**	**629**	**4,440**	**12,287**	**17,356**	**2,139**	**963**
Argentina	–	–	–	–	179	–	179	–	94
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	20	–	20	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	301	–	301	–	–
Brazil	–	–	21	–	2	657	659	–	16
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	1,906	536	76	492	1,034	1,602	462	393
Chad	–	–	–	–	–	–	–	–	–
China	–	935	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	1,812	1,812	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	2	112	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	49	–	–	–	–	–	65
Germany	–	–	28	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,566	–	240	–	49	289	175	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	130	–
Korea, South	–	10,270	1,597	–	–	–	–	411	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	119	–	69	188	–	–
Mexico	–	13	–	–	8	7,474	7,482	234	395
Netherlands	–	–	170	–	332	254	586	88	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	4	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	26	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	13	–	13	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	652	20	672	34	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	3,263	37	194	2,226	915	3,335	552	0
Total	**–**	**22,208**	**2,438**	**1,627**	**4,826**	**13,164**	**19,617**	**2,146**	**963**
Persian Gulf[4]	**–**	**4,061**	**–**	**–**	**–**	**846**	**846**	**33**	**–**

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-May 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	**–**	**–**	**–**	**731**	**–**	**50,177**	**209,484**	**1,055**	**332**	**1,387**
Algeria	–	–	–	–	–	7,021	9,558	17	46	63
Angola	–	–	–	–	–	878	5,462	30	6	36
Congo (Brazzaville)	–	–	–	–	–	126	126	–	1	1
Equatorial Guinea	–	–	–	–	–	977	2,006	7	6	13
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	20,502	55,389	231	136	367
Kuwait	–	–	–	–	–	3,274	5,615	16	22	37
Libya	–	–	–	–	–	–	10,131	67	–	67
Nigeria	–	–	–	–	–	1,168	29,010	184	8	192
Saudi Arabia	–	–	–	–	–	13,232	71,569	386	88	474
United Arab Emirates	–	–	–	731	–	2,999	4,427	9	20	29
Venezuela	–	–	–	–	–	–	16,191	107	–	107
Non-OPEC	**593**	**1,216**	**8,091**	**6,389**	**–**	**272,983**	**1,074,501**	**5,308**	**1,808**	**7,116**
Argentina	–	449	–	5	–	2,284	8,672	42	15	57
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	4,998	4,998	–	33	33
Bahrain	–	–	–	364	–	364	364	–	2	2
Belgium	–	–	–	12	–	4,472	4,472	–	30	30
Brazil	–	40	–	–	–	6,050	24,522	122	40	162
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	493	1,110	4	3	7
Canada	440	89	7,704	1,549	–	89,178	673,045	3,867	591	4,457
Chad	–	–	–	–	–	–	–	–	–	–
China	48	–	–	–	–	1,306	1,306	–	9	9
Colombia	–	308	72	–	–	4,367	32,845	189	29	218
Denmark	–	–	–	–	–	120	120	–	1	1
Ecuador	–	–	–	–	–	3,130	23,085	132	21	153
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	2,253	2,253	–	15	15
France	–	–	–	35	–	4,161	4,161	–	28	28
Germany	–	–	–	78	–	2,064	2,064	–	14	14
Guatemala	–	–	–	–	–	–	281	2	–	2
India	–	–	–	–	–	19,755	19,755	–	131	131
Indonesia	–	–	–	402	–	536	536	–	4	4
Italy	–	–	31	35	–	7,221	7,221	–	48	48
Korea, South	2	–	–	1,759	–	20,394	20,394	–	135	135
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	634	634	–	4	4
Malaysia	16	–	–	–	–	3,734	3,734	–	25	25
Mexico	–	–	–	–	–	29,413	136,195	707	195	902
Netherlands	–	140	–	298	–	13,651	14,034	3	90	93
Norway	–	–	–	–	–	4,397	6,134	12	29	41
Oman	–	–	–	–	–	301	301	–	2	2
Portugal	–	–	–	–	–	3,791	3,791	–	25	25
Qatar	–	–	–	1,844	–	2,976	3,493	3	20	23
Russia	–	–	–	–	–	–	–	–	–	–
Spain	4	–	108	–	–	7,504	7,504	–	50	50
Sweden	–	–	–	4	–	1,239	1,239	–	8	8
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	168	3,806	24	1	25
United Kingdom	12	25	–	–	–	8,435	14,116	38	56	93
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	71	165	176	4	–	23,547	48,269	163	154	319
Total	**593**	**1,216**	**8,091**	**7,120**	**–**	**323,160**	**1,283,985**	**6,363**	**2,140**	**8,503**
Persian Gulf[4]	**–**	**–**	**–**	**2,939**	**–**	**43,347**	**140,857**	**646**	**287**	**933**

– – = 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, May 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**9,494**	**–**	**–**	**1,115**	**–**	**–**	**–**	**435**	**1,069**	**1,504**
Algeria	934	–	–	514	–	–	–	–	–	–
Angola	1,378	–	–	–	–	–	–	–	278	278
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	601	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	1,289	–	–	–	–	–	–	–	–	–
Nigeria	4,832	–	–	–	–	–	–	–	145	145
Saudi Arabia	1,061	–	–	–	–	–	–	–	646	646
United Arab Emirates	–	–	–	–	–	–	–	435	–	435
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**9,678**	**360**	**332**	**1,004**	**–**	**4,934**	**4,934**	**4,526**	**11,260**	**15,786**
Argentina	–	–	–	–	–	–	–	–	323	323
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	830	830	–	275	275
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	510	510	–	124	124
Brazil	–	–	–	–	–	–	–	–	315	315
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	4,189	360	332	351	–	341	341	2,466	1,118	3,584
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	325	–	–	–	–	175	175
Denmark	–	–	–	–	–	2	2	1	78	79
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	23	23	9	422	431
France	–	–	–	–	–	466	466	22	207	229
Germany	–	–	–	–	–	–	–	–	9	9
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	48	48	–	2,390	2,390
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	171	–	98	98	–	659	659
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	193	193
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	2,694	–	–	19	–	–	–	–	–	–
Netherlands	–	–	–	76	–	564	564	738	1,181	1,919
Norway	402	–	–	–	–	702	702	258	642	900
Oman	–	–	–	–	–	–	–	–	30	30
Portugal	–	–	–	–	–	4	4	1	1,188	1,189
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	62	–	197	197	31	1,153	1,184
Sweden	–	–	–	–	–	2	2	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	870	870	1,000	121	1,121
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	2,393	0	0	0	–	277	277	0	657	657
Total	**19,172**	**360**	**332**	**2,119**	**–**	**4,934**	**4,934**	**4,961**	**12,329**	**17,290**
Persian Gulf[4]	**1,061**	**–**	**–**	**601**	**–**	**–**	**–**	**435**	**646**	**1,081**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	–	**298**	**173**	–	**3,995**	**8**	–	–	**4,003**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	5	–	–	–	5	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	97	–	–	3,689	8	–	–	3,697	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	173	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	136	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	65	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	255	0	–	–	255	–	–
Total	–	**298**	**173**	–	**3,995**	**8**	–	–	**4,003**	–	–
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	**–**	**1,075**	**–**	**–**	**–**	**25**	**25**	**7**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	15	15	–	–
Kuwait	–	498	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	10	10	7	–
United Arab Emirates	–	577	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**811**	**2**	**–**	**53**	**1,471**	**1,524**	**87**	**1**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	2	–	2	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	501	2	–	–	377	377	1	1
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	419	419	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	191	–	–	–	–	–	39	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	39	–
Korea, South	–	119	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	518	518	–	–
Netherlands	–	–	–	–	–	94	94	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	4	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	13	–	13	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	4	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	38	63	101	0	0
Total	**–**	**1,886**	**2**	**–**	**53**	**1,496**	**1,549**	**94**	**1**
Persian Gulf[4]	**–**	**1,075**	**–**	**–**	**–**	**25**	**25**	**7**	**–**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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**	**–**	**3,764**	**13,258**	**306**	**121**	**428**
Algeria	–	–	–	–	–	514	1,448	30	17	47
Angola	–	–	–	–	–	278	1,656	44	9	53
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	616	616	–	20	20
Kuwait	–	–	–	–	–	498	498	–	16	16
Libya	–	–	–	–	–	–	1,289	42	–	42
Nigeria	–	–	–	–	–	145	4,977	156	5	161
Saudi Arabia	–	–	–	–	–	663	1,724	34	21	56
United Arab Emirates	–	–	–	38	–	1,050	1,050	–	34	34
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**81**	**1**	**589**	**126**	**–**	**30,112**	**39,790**	**312**	**971**	**1,284**
Argentina	–	–	–	–	–	323	323	–	10	10
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	1,105	1,105	–	36	36
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	634	634	–	20	20
Brazil	–	–	–	–	–	322	322	–	10	10
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	73	–	589	65	–	10,371	14,560	135	335	470
Chad	–	–	–	–	–	–	–	–	–	–
China	7	–	–	–	–	7	7	–	0	0
Colombia	–	–	–	–	–	919	919	–	30	30
Denmark	–	–	–	–	–	81	81	–	3	3
Ecuador	–	–	–	–	–	1	1	–	0	0
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	627	627	–	20	20
France	–	–	–	2	–	697	697	–	22	22
Germany	–	–	–	14	–	159	159	–	5	5
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	2,668	2,668	–	86	86
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	1	–	968	968	–	31	31
Korea, South	–	–	–	16	–	135	135	–	4	4
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	193	193	–	6	6
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	537	3,231	87	17	104
Netherlands	–	–	–	27	–	2,680	2,680	–	86	86
Norway	–	–	–	–	–	1,602	2,004	13	52	65
Oman	–	–	–	–	–	38	38	–	1	1
Portugal	–	–	–	–	–	1,193	1,193	–	38	38
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	1,566	1,566	–	51	51
Sweden	–	–	–	1	–	3	3	–	0	0
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	1,995	1,995	–	64	64
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	1	1	0	0	–	1,288	3,681	77	44	122
Total	**81**	**1**	**589**	**164**	**–**	**33,876**	**53,048**	**618**	**1,093**	**1,711**
Persian Gulf[4]	**–**	**–**	**–**	**38**	**–**	**2,827**	**3,888**	**34**	**91**	**125**

– – = 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, May 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	**89,428**	**1,222**	**245**	–	–	–	–	–	**236**	**236**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	89,428	1,222	245	–	–	–	–	–	236	236
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	**89,428**	**1,222**	**245**	–	–	–	–	–	**236**	**236**
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, May 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	–	**81**	–	–	**248**	**3**	**2**	–	**253**	**20**	**6**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	81	–	–	248	3	2	–	253	20	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	0
Total	–	**81**	–	–	**248**	**3**	**2**	–	**253**	**20**	**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, May 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	–	–	**20**	–	**6**	**29**	**35**	**84**	**75**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	20	–	6	29	35	84	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	–	–	**20**	–	**6**	**29**	**35**	**84**	**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, May 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	**14**	**31**	**511**	**213**	**–**	**3,046**	**92,474**	**2,885**	**98**	**2,983**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	14	31	511	208	–	3,041	92,469	2,885	98	2,983
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	3	–	3	3	–	0	0
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	1	–	1	1	–	0	0
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	1	–	1	1	0	0	0
Total	**14**	**31**	**511**	**213**	**–**	**3,046**	**92,474**	**2,885**	**98**	**2,983**
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, May 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	**10,286**	**–**	**–**	**3,551**	**–**	**17**	**17**	**–**	**167**	**167**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	2,781	–	–	–	–	–	–
Kuwait	746	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	3,813	–	–	770	–	–	–	–	167	167
United Arab Emirates	–	–	–	–	–	17	17	–	–	–
Venezuela	5,727	–	–	–	–	–	–	–	–	–
Non-OPEC	**38,579**	**–**	**–**	**7,087**	**–**	**283**	**283**	**–**	**1,116**	**1,116**
Argentina	–	–	–	–	–	13	13	–	49	49
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	1,111	–	250	250	–	68	68
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	14,281	–	–	442	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	3,851	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	343	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	24	24
Guatemala	281	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	185	185
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	270	270
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	18,876	–	–	4,369	–	–	–	–	–	–
Netherlands	383	–	–	187	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	20	20	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	500	–	–	–	–	–	–	–	–	–
United Kingdom	407	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	–	–	635	–	0	0	–	520	520
Total	**48,865**	**–**	**–**	**10,638**	**–**	**300**	**300**	**–**	**1,283**	**1,283**
Persian Gulf[4]	**4,559**	**–**	**–**	**3,551**	**–**	**17**	**17**	**–**	**167**	**167**

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	–	**302**	–	–	–	–	–	–	–	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	178	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	116	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	8	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	–	–	–	–	–	–	–
Total	–	**302**	–	–	–	–	–	–	–	–	–
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, May 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	–	–	**422**	–	–	**937**	**937**	**497**	**123**
Argentina	–	–	–	–	–	–	–	–	18
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	21	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	67	–	–	–	–	–	24
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	41
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	318	–	–	–	–	261	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	937	937	35	40
Netherlands	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	–	16	–	–	0	0	201	0
Total	–	–	**422**	–	–	**937**	**937**	**497**	**123**
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, May 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	**–**	**–**	**–**	**101**	**–**	**3,836**	**14,122**	**332**	**124**	**456**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	2,781	2,781	–	90	90
Kuwait	–	–	–	–	–	–	746	24	–	24
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	937	4,750	123	30	153
United Arab Emirates	–	–	–	101	–	118	118	–	4	4
Venezuela	–	–	–	–	–	–	5,727	185	–	185
Non-OPEC	**17**	**–**	**–**	**982**	**–**	**11,766**	**50,345**	**1,244**	**380**	**1,624**
Argentina	–	–	–	–	–	80	80	–	3	3
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	97	–	97	97	–	3	3
Belgium	–	–	–	1	–	1	1	–	0	0
Brazil	–	–	–	–	–	1,450	1,450	–	47	47
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	533	14,814	461	17	478
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	3,851	124	–	124
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	343	343	–	11	11
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	4	–	45	45	–	1	1
Germany	–	–	–	4	–	206	206	–	7	7
Guatemala	–	–	–	–	–	–	281	9	–	9
India	–	–	–	–	–	185	185	–	6	6
Indonesia	–	–	–	56	–	56	56	–	2	2
Italy	–	–	–	4	–	120	120	–	4	4
Korea, South	–	–	–	357	–	1,206	1,206	–	39	39
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	4	–	–	–	–	4	4	–	0	0
Mexico	–	–	–	–	–	5,381	24,257	609	174	782
Netherlands	–	–	–	65	–	252	635	12	8	20
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	393	–	393	393	–	13	13
Russia	–	–	–	–	–	–	–	–	–	–
Spain	1	–	–	–	–	9	9	–	0	0
Sweden	–	–	–	–	–	20	20	–	1	1
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	500	16	–	16
United Kingdom	12	–	–	–	–	12	419	13	0	14
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	–	–	1	–	1,373	1,373	0	44	44
Total	**17**	**–**	**–**	**1,083**	**–**	**15,602**	**64,467**	**1,576**	**503**	**2,080**
Persian Gulf[4]	**–**	**–**	**–**	**591**	**–**	**4,326**	**8,885**	**147**	**140**	**287**

– – = 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, May 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	**6,598**	**356**	–	–	–	–	–	–	**29**	**29**
Canada	6,598	356	–	–	–	–	–	–	29	29
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	–	–	–	–	–	0	0
Total	**6,598**	**356**	–	–	–	–	–	–	**29**	**29**
	PAD District 5									
OPEC	**11,564**	**53**	–	**1,326**	–	–	–	–	**310**	**310**
Algeria	–	–	–	1,255	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	6,012	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	1,048	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	4,504	–	–	71	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	310	310
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**24,929**	**1,424**	–	**1,008**	–	**970**	**970**	–	**1,306**	**1,306**
Argentina	1,419	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	3,094	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	8,284	1,424	–	266	–	72	72	–	119	119
China	–	–	–	–	–	–	–	–	–	–
Colombia	2,690	–	–	–	–	–	–	–	–	–
Ecuador	5,251	–	–	313	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	150	150	–	186	186
Korea, South	–	–	–	–	–	580	580	–	332	332
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	399	–	–	429	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	388	388
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	3,792	0	–	0	–	168	168	–	281	281
Total	**36,493**	**1,477**	–	**2,334**	–	**970**	**970**	–	**1,616**	**1,616**
Persian Gulf[4]	**10,516**	–	–	**71**	–	–	–	–	**310**	**310**

See footnotes at end of table.

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

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels[3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
	PAD District 4										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**6**	–	–	**100**	–	–	–	**100**	–	**1**
Canada	–	6	–	–	100	–	–	–	100	–	1
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	0
Total	–	**6**	–	–	**100**	–	–	–	**100**	–	**1**
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**145**	**976**	–	**857**	–	**1**	–	**858**	–	**3**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	82	–	–	557	–	1	–	558	–	3
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	63	–	–	300	–	–	–	300	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	976	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	0	–	0	–	0
Total	–	**145**	**976**	–	**857**	–	**1**	–	**858**	–	**3**
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, May 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	–	**37**	–	–	–	–	–	–	–
Canada	–	37	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	–	–	–	–	–
Total	–	**37**	–	–	–	–	–	–	–
	PAD District 5								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**2,810**	**9**	–	**162**	–	**162**	**29**	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	166	9	–	162	–	162	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	74	–	–	–	–	–	–	–
Korea, South	–	2,384	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	186	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	29	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	0	0	–
Total	–	**2,810**	**9**	–	**162**	–	**162**	**29**	–
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, May 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	–	–	**55**	–	–	**584**	**7,182**	**213**	**19**	**232**
Canada	–	–	55	–	–	584	7,182	213	19	232
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**55**	–	–	**584**	**7,182**	**213**	**19**	**232**
	PAD District 5									
OPEC	–	–	–	–	–	**1,689**	**13,253**	**373**	**54**	**428**
Algeria	–	–	–	–	–	1,255	1,255	–	40	40
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	6,012	194	–	194
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	1,048	34	–	34
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	71	4,575	145	2	148
United Arab Emirates	–	–	–	–	–	310	310	–	10	10
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**11**	–	**31**	**28**	–	**9,770**	**34,699**	**804**	**315**	**1,119**
Argentina	–	–	–	–	–	–	1,419	46	–	46
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	3,094	100	–	100
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	31	5	–	2,897	11,181	267	93	361
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	2,690	87	–	87
Ecuador	–	–	–	–	–	313	5,564	169	10	179
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	410	410	–	13	13
Korea, South	–	–	–	–	–	3,659	3,659	–	118	118
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	429	828	13	14	27
Netherlands	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	23	–	23	23	–	1	1
Singapore	–	–	–	–	–	1,162	1,162	–	37	37
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	11	–	–	–	–	428	428	–	14	14
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	0	–	0	0	–	449	4,241	122	15	136
Total	**11**	–	**31**	**28**	–	**11,459**	**47,952**	**1,177**	**370**	**1,547**
Persian Gulf[4]	–	–	–	**23**	–	**404**	**10,920**	**339**	**13**	**352**

– – = 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-May 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	**45,998**	**759**	**–**	**2,518**	**–**	**–**	**–**	**435**	**5,278**	**5,713**
Algeria	2,537	–	–	653	–	–	–	–	1,913	1,913
Angola	2,679	–	–	–	–	–	–	–	875	875
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	759	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	1,608	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	1	–
Libya	4,930	–	–	–	–	–	–	–	–	–
Nigeria	26,896	–	–	257	–	–	–	–	600	600
Saudi Arabia	8,956	–	–	–	–	–	–	–	1,689	1,689
United Arab Emirates	–	–	–	–	–	–	–	435	200	635
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**42,480**	**4,346**	**1,483**	**6,494**	**–**	**15,114**	**15,114**	**21,039**	**43,724**	**64,763**
Argentina	1,621	–	–	294	–	–	–	–	1,147	1,147
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	3,316	3,316	100	599	699
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	250	–	829	829	148	453	601
Brazil	627	–	–	120	–	–	–	–	458	458
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	18,952	4,346	1,483	708	–	1,476	1,476	11,332	6,003	17,335
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	501	–	–	843	–	–	–	–	210	210
Denmark	–	–	–	–	–	2	2	1	84	85
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	429	429	279	1,300	1,579
France	–	–	–	200	–	1,612	1,612	316	1,629	1,945
Germany	–	–	–	9	–	8	8	–	31	31
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	119	119	70	6,750	6,820
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	376	–	315	315	311	4,950	5,261
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	108	108	–	526	526
Malaysia	–	–	–	–	–	–	–	–	192	192
Mexico	11,511	–	–	1,842	–	–	–	–	–	–
Netherlands	–	–	–	659	–	2,163	2,163	2,933	5,033	7,966
Norway	1,737	–	–	–	–	1,816	1,816	568	1,984	2,552
Oman	–	–	–	–	–	4	4	–	30	30
Portugal	–	–	–	–	–	38	38	1	3,752	3,753
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	311	–	918	918	31	4,749	4,780
Sweden	–	–	–	–	–	436	436	–	510	510
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	1,823	–	–	300	–	886	886	4,949	791	5,740
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	5,708	0	0	582	–	639	639	0	2,543	2,543
Total	**88,478**	**5,105**	**1,483**	**9,012**	**–**	**15,114**	**15,114**	**21,474**	**49,002**	**70,476**
Persian Gulf[4]	**8,956**	**–**	**–**	**1,608**	**–**	**–**	**–**	**435**	**1,890**	**2,325**

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-May 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels[3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	**–**	**–**	**–**	**–**	**1,111**	**–**	**–**	**–**	**1,111**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	308	–	–	–	308	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	53	–	–	–	53	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**2,184**	**173**	**–**	**25,656**	**11**	**131**	**–**	**25,798**	**504**	**18**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	90	–	–	5	–	–	–	5	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	493	–	–	–	493	–	–
Canada	–	402	–	–	19,175	11	–	–	19,186	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	609	–	–	–	609	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	173	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	1,034	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	228	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	55	–	117	–	172	–	18
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	430	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	1,009	0	0	–	1,009	0	0
Total	**–**	**2,184**	**173**	**–**	**26,767**	**11**	**131**	**–**	**26,909**	**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-May 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	**–**	**4,061**	**–**	**998**	**383**	**715**	**2,096**	**7**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	405	405	–	–
Kuwait	–	2,627	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	694	–	–	–	279	279	7	–
United Arab Emirates	–	736	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**4,384**	**10**	**–**	**1,756**	**5,292**	**7,048**	**373**	**36**
Argentina	–	–	–	–	–	–	–	–	31
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	20	–	20	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	301	–	301	–	–
Brazil	–	–	–	–	2	88	90	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	1,470	10	–	131	633	764	8	5
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	1,812	1,812	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	2	112	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,566	–	–	–	49	49	39	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	130	–
Korea, South	–	666	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	–	–	–	–	–	–
Mexico	–	13	–	–	8	1,518	1,526	–	–
Netherlands	–	–	–	–	332	254	586	88	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	4	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	13	–	13	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	652	20	672	4	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	475	0	0	82	915	997	77	0
Total	**–**	**8,445**	**10**	**998**	**2,139**	**6,007**	**9,144**	**380**	**36**
Persian Gulf[4]	**–**	**4,061**	**–**	**–**	**–**	**684**	**684**	**7**	**–**

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 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	**–**	**–**	**–**	**76**	**–**	**16,341**	**62,339**	**305**	**108**	**413**
Algeria	–	–	–	–	–	3,849	6,386	17	25	42
Angola	–	–	–	–	–	875	3,554	18	6	24
Congo (Brazzaville)	–	–	–	–	–	126	126	–	1	1
Equatorial Guinea	–	–	–	–	–	759	759	–	5	5
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	2,017	2,017	–	13	13
Kuwait	–	–	–	–	–	2,628	2,628	–	17	17
Libya	–	–	–	–	–	–	4,930	33	–	33
Nigeria	–	–	–	–	–	1,168	28,064	178	8	186
Saudi Arabia	–	–	–	–	–	3,419	12,375	59	23	82
United Arab Emirates	–	–	–	76	–	1,500	1,500	–	10	10
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**434**	**1**	**3,841**	**529**	**–**	**137,533**	**180,013**	**281**	**911**	**1,192**
Argentina	–	–	–	–	–	1,472	3,093	11	10	20
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	4,035	4,035	–	27	27
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	3	–	2,054	2,054	–	14	14
Brazil	–	–	–	–	–	763	1,390	4	5	9
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	493	493	–	3	3
Canada	374	–	3,562	354	–	51,483	70,435	126	341	466
Chad	–	–	–	–	–	–	–	–	–	–
China	48	–	–	–	–	48	48	–	0	0
Colombia	–	–	72	–	–	3,546	4,047	3	23	27
Denmark	–	–	–	–	–	120	120	–	1	1
Ecuador	–	–	–	–	–	113	113	–	1	1
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	2,200	2,200	–	15	15
France	–	–	–	21	–	3,778	3,778	–	25	25
Germany	–	–	–	54	–	1,189	1,189	–	8	8
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	12,185	12,185	–	81	81
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	31	4	–	6,512	6,512	–	43	43
Korea, South	2	–	–	62	–	730	730	–	5	5
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	634	634	–	4	4
Malaysia	–	–	–	–	–	205	205	–	1	1
Mexico	–	–	–	–	–	3,381	14,892	76	22	99
Netherlands	–	–	–	28	–	11,680	11,680	–	77	77
Norway	–	–	–	–	–	4,397	6,134	12	29	41
Oman	–	–	–	–	–	38	38	–	0	0
Portugal	–	–	–	–	–	3,791	3,791	–	25	25
Qatar	–	–	–	–	–	1,106	1,106	–	7	7
Russia	–	–	–	–	–	–	–	–	–	–
Spain	3	–	–	–	–	6,523	6,523	–	43	43
Sweden	–	–	–	2	–	948	948	–	6	6
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	7,602	9,425	12	50	62
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	7	1	176	1	–	6,507	12,215	37	45	82
Total	**434**	**1**	**3,841**	**605**	**–**	**153,874**	**242,352**	**586**	**1,019**	**1,605**
Persian Gulf[4]	**–**	**–**	**–**	**76**	**–**	**10,670**	**19,626**	**59**	**71**	**130**

– – = 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-May 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	**425,595**	**8,348**	**1,313**	**–**	**–**	**–**	**–**	**–**	**2,417**	**2,417**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	425,595	8,348	1,313	–	–	–	–	–	2,417	2,417
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	**425,595**	**8,348**	**1,313**	**–**	**–**	**–**	**–**	**–**	**2,417**	**2,417**
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-May 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	–	**490**	–	–	**1,259**	**20**	**52**	–	**1,331**	**20**	**22**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	490	–	–	1,259	20	52	–	1,331	20	22
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	0	0	–	0	0	0
Total	–	**490**	–	–	**1,259**	**20**	**52**	–	**1,331**	**20**	**22**
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-May 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	–	–	**39**	–	**35**	**337**	**372**	**454**	**364**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	39	–	35	337	372	454	364
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	–	–	**39**	–	**35**	**337**	**372**	**454**	**364**
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-May 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	**69**	**89**	**3,375**	**1,184**	**–**	**19,887**	**445,482**	**2,819**	**132**	**2,950**
Argentina	–	–	–	1	–	1	1	–	0	0
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2	–	2	2	–	0	0
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	66	89	3,375	1,171	–	19,871	445,466	2,819	132	2,950
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	8	–	8	8	–	0	0
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	1	–	1	1	–	0	0
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	3	0	0	1	–	4	4	0	0	0
Total	**69**	**89**	**3,375**	**1,184**	**–**	**19,887**	**445,482**	**2,819**	**132**	**2,950**
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-May 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	**47,888**	**–**	**–**	**28,815**	**–**	**34**	**34**	**130**	**331**	**461**
Algeria	–	–	–	319	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	3,790	–	–	18,323	–	–	–	–	–	–
Kuwait	2,341	–	–	577	–	–	–	–	69	69
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	25,566	–	–	9,226	–	–	–	–	262	262
United Arab Emirates	–	–	–	370	–	34	34	130	–	130
Venezuela	16,191	–	–	–	–	–	–	–	–	–
Non-OPEC	**177,755**	**9**	**–**	**36,880**	**–**	**320**	**320**	**162**	**6,810**	**6,972**
Argentina	–	–	–	–	–	25	25	–	91	91
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	1,807	–	–	–	–	262	262
Brazil	2,089	–	–	4,067	–	250	250	–	272	272
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	56,354	9	–	442	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	19,516	–	–	–	–	–	–	–	32	32
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	2,393	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	61	61
Guatemala	281	–	–	–	–	–	–	–	–	–
India	–	–	–	1,035	–	–	–	162	2,675	2,837
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	275	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	1,303	1,303
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	3,117	–	–	–	–	–	–
Mexico	91,145	–	–	18,188	–	–	–	–	230	230
Netherlands	383	–	–	497	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	263	263
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	317	–	–	–	–	306	306
Sweden	–	–	–	199	–	40	40	–	50	50
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	3,012	–	–	–	–	–	–	–	–	–
United Kingdom	3,858	–	–	408	–	5	5	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	500	0	–	4,088	–	0	0	0	1,265	1,265
Total	**225,643**	**9**	**–**	**65,695**	**–**	**354**	**354**	**292**	**7,141**	**7,433**
Persian Gulf[4]	**31,697**	**–**	**–**	**28,496**	**–**	**34**	**34**	**130**	**331**	**461**

See footnotes at end of table.

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

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels[3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**1,283**	**53**	–	**833**	–	–	–	**833**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	52	–	–	–	52	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	481	–	–	–	481	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	53	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	741	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	256	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	37	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	249	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	–	–	0	–	–
Total	–	**1,283**	**53**	–	**833**	–	–	–	**833**	–	–
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-May 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	**–**	**–**	**–**	**–**	**3**	**162**	**165**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	162	162	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**–**	**2,265**	**65**	**1,062**	**6,621**	**7,748**	**1,189**	**563**
Argentina	–	–	–	–	179	–	179	–	63
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	21	–	–	569	569	–	16
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	363	65	–	27	92	–	24
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	49	–	–	–	–	–	65
Germany	–	–	28	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	136	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	1,597	–	–	–	–	411	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	69	69	–	–
Mexico	–	–	–	–	–	5,956	5,956	234	395
Netherlands	–	–	170	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	26	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	30	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	–	37	0	883	0	883	352	0
Total	**–**	**–**	**2,265**	**65**	**1,065**	**6,783**	**7,913**	**1,189**	**563**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**162**	**162**	**26**	**–**

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-May 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	**–**	**–**	**–**	**655**	**–**	**30,130**	**78,018**	**317**	**200**	**517**
Algeria	–	–	–	–	–	319	319	–	2	2
Angola	–	–	–	–	–	3	3	–	0	0
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	18,485	22,275	25	122	148
Kuwait	–	–	–	–	–	646	2,987	16	4	20
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	9,488	35,054	169	63	232
United Arab Emirates	–	–	–	655	–	1,189	1,189	–	8	8
Venezuela	–	–	–	–	–	–	16,191	107	–	107
Non-OPEC	**45**	**1,126**	**–**	**4,530**	**–**	**63,831**	**241,586**	**1,177**	**423**	**1,600**
Argentina	–	449	–	4	–	811	811	–	5	5
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	364	–	364	364	–	2	2
Belgium	–	–	–	7	–	2,076	2,076	–	14	14
Brazil	–	40	–	–	–	5,287	7,376	14	35	49
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	617	4	–	4
Canada	–	–	–	–	–	930	57,284	373	6	379
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	308	–	–	–	821	20,337	129	5	135
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	2,393	2,393	–	16	16
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	53	53	–	0	0
France	–	–	–	14	–	128	128	–	1	1
Germany	–	–	–	16	–	846	846	–	6	6
Guatemala	–	–	–	–	–	–	281	2	–	2
India	–	–	–	–	–	4,008	4,008	–	27	27
Indonesia	–	–	–	402	–	402	402	–	3	3
Italy	–	–	–	31	–	562	562	–	4	4
Korea, South	–	–	–	1,667	–	4,978	4,978	–	33	33
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	16	–	–	–	–	3,202	3,202	–	21	21
Mexico	–	–	–	–	–	25,303	116,448	604	168	771
Netherlands	–	140	–	270	–	1,114	1,497	3	7	10
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	263	263	–	2	2
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	1,752	–	1,778	1,778	–	12	12
Russia	–	–	–	–	–	–	–	–	–	–
Spain	1	–	–	–	–	873	873	–	6	6
Sweden	–	–	–	1	–	290	290	–	2	2
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	3,012	20	–	20
United Kingdom	12	25	–	–	–	480	4,338	26	3	29
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	16	164	–	2	–	6,822	7,322	2	45	47
Total	**45**	**1,126**	**–**	**5,185**	**–**	**93,961**	**319,604**	**1,494**	**622**	**2,117**
Persian Gulf[4]	**–**	**–**	**–**	**2,771**	**–**	**31,950**	**63,647**	**210**	**212**	**422**

– – = 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-May 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	**38,331**	**3,589**	**1**	**–**	**–**	**–**	**–**	**–**	**479**	**479**
Canada	38,331	3,589	1	–	–	–	–	–	479	479
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	–	–	–	–	–	0	0
Total	**38,331**	**3,589**	**1**	**–**	**–**	**–**	**–**	**–**	**479**	**479**
	PAD District 5									
OPEC	**65,421**	**218**	**–**	**3,178**	**–**	**–**	**–**	**–**	**310**	**310**
Algeria	–	–	–	2,853	–	–	–	–	–	–
Angola	1,905	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	31,097	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	5,201	–	–	–	–	–	–	–	–	–
Nigeria	946	–	–	–	–	–	–	–	–	–
Saudi Arabia	23,815	–	–	325	–	–	–	–	–	–
United Arab Emirates	1,428	–	–	–	–	–	–	–	310	310
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**117,357**	**7,833**	**–**	**4,787**	**–**	**3,638**	**3,638**	**777**	**6,858**	**7,635**
Argentina	4,767	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	15,756	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	44,635	7,665	–	841	–	187	187	–	209	209
China	–	–	–	–	–	323	323	–	–	–
Colombia	8,461	–	–	–	–	–	–	–	–	–
Ecuador	19,955	–	–	624	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	21	21
Indonesia	–	–	–	134	–	–	–	–	–	–
Japan	–	–	–	46	–	214	214	–	415	415
Korea, South	–	–	–	–	–	1,827	1,827	–	2,225	2,225
Malaysia	–	–	–	131	–	–	–	–	77	77
Mexico	4,126	–	–	729	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	458	338	796
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	517	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	87	–	–	–	–	295	295
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	855	855
United Kingdom	–	–	–	–	–	–	–	–	353	353
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	19,140	168	–	2,195	–	1,087	1,087	319	2,070	2,389
Total	**182,778**	**8,051**	**–**	**7,965**	**–**	**3,638**	**3,638**	**777**	**7,168**	**7,945**
Persian Gulf[4]	**56,857**	**–**	**–**	**325**	**–**	**–**	**–**	**–**	**310**	**310**

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-May 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	–	**54**	–	–	**287**	–	–	–	**287**	–	**1**
Canada	–	54	–	–	287	–	–	–	287	–	1
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	0
Total	–	**54**	–	–	**287**	–	–	–	**287**	–	**1**
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**619**	**3,308**	–	**2,229**	–	**1**	–	**2,230**	–	**7**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	378	–	–	1,470	–	1	–	1,471	–	7
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	241	–	–	759	–	–	–	759	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	61	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	3,247	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	0	–	0	–	0
Total	–	**619**	**3,308**	–	**2,229**	–	**1**	–	**2,230**	–	**7**
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-May 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	–	**215**	**1**	**11**	**4**	–	**15**	–	–
Canada	–	215	1	11	4	–	15	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	0	–	0	–	–
Total	–	**215**	**1**	**11**	**4**	–	**15**	–	–
	PAD District 5								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**13,548**	**123**	**553**	**1,583**	**37**	**2,173**	**123**	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	221	123	–	322	37	359	–	–
China	–	935	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	1,175	–	194	96	–	290	–	–
Korea, South	–	9,604	–	–	–	–	–	–	–
Malaysia	–	–	–	119	–	–	119	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	265	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	304	–	–	–	–	–	123	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	1,044	0	240	1,165	0	1,405	0	–
Total	–	**13,548**	**123**	**553**	**1,583**	**37**	**2,173**	**123**	–
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-May 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	–	–	**389**	–	–	**5,031**	**43,362**	**254**	**33**	**287**
Canada	–	–	389	–	–	5,031	43,362	254	33	287
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**389**	–	–	**5,031**	**43,362**	**254**	**33**	**287**
	PAD District 5									
OPEC	–	–	–	–	–	**3,706**	**69,127**	**433**	**25**	**458**
Algeria	–	–	–	–	–	2,853	2,853	–	19	19
Angola	–	–	–	–	–	–	1,905	13	–	13
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	31,097	206	–	206
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	5,201	34	–	34
Nigeria	–	–	–	–	–	–	946	6	–	6
Saudi Arabia	–	–	–	–	–	325	24,140	158	2	160
United Arab Emirates	–	–	–	–	–	310	1,738	9	2	12
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**45**	–	**486**	**146**	–	**46,701**	**164,058**	**777**	**309**	**1,086**
Argentina	–	–	–	–	–	–	4,767	32	–	32
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	15,756	104	–	104
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	378	24	–	11,863	56,498	296	79	374
China	–	–	–	–	–	1,258	1,258	–	8	8
Colombia	–	–	–	–	–	–	8,461	56	–	56
Ecuador	–	–	–	–	–	624	20,579	132	4	136
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	21	21	–	0	0
Indonesia	–	–	–	–	–	134	134	–	1	1
Japan	–	–	–	–	–	2,140	2,140	–	14	14
Korea, South	–	–	–	30	–	14,686	14,686	–	97	97
Malaysia	–	–	–	–	–	327	327	–	2	2
Mexico	–	–	–	–	–	729	4,855	27	5	32
Netherlands	–	–	–	–	–	857	857	–	6	6
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	92	–	92	609	3	1	4
Singapore	–	–	–	–	–	3,894	3,894	–	26	26
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	45	–	–	–	–	1,327	1,327	–	9	9
United Kingdom	–	–	–	–	–	353	353	–	2	2
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	0	–	108	0	–	8,396	27,536	127	55	183
Total	**45**	–	**486**	**146**	–	**50,407**	**233,185**	**1,210**	**334**	**1,544**
Persian Gulf[4]	–	–	–	**92**	–	**727**	**57,584**	**377**	**5**	**381**

– – = Not Applicable.
– = No Data Reported.
1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
Note: Totals may not equal sum of components due to independent rounding.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

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

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**0**	**3,375**	**114,092**	**–**	**–**	**117,467**	**3,789**
Hydrocarbon Gas Liquids	**10,581**	**3,971**	**59,026**	**9**	**1,225**	**74,811**	**2,413**
Natural Gas Liquids	10,581	3,971	59,026	9	1,225	74,811	2,413
Ethane	1,965	1,998	10,377	–	–	14,340	463
Propane	5,824	172	39,144	2	721	45,863	1,479
Normal Butane	2,724	157	9,282	–	502	12,664	409
Isobutane	1	2	178	–	0	181	6
Natural Gasoline	68	1,642	44	8	1	1,763	57
Other Liquids	**154**	**3,967**	**11,931**	**93**	**462**	**16,608**	**536**
Hydrogen/Biofuels/Other Hydrocarbons	37	1,287	1,824	64	249	3,462	112
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	37	1,287	1,824	64	249	3,462	112
Fuel Ethanol	34	913	1,592	36	130	2,704	87
Biodiesel	3	374	233	28	119	757	24
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	114	2,626	7,773	29	13	10,555	340
Naphthas and Lighter	105	2,466	7,068	0	2	9,640	311
Kerosene and Light Gas Oils	9	160	704	29	12	914	29
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	3	55	2,334	0	200	2,591	84
Reformulated	0	–	50	–	1	51	2
Conventional	2	55	2,284	0	199	2,541	82
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**1,775**	**1,234**	**78,955**	**19**	**8,352**	**90,335**	**2,914**
Finished Motor Gasoline	65	316	21,186	2	914	22,483	725
Reformulated	–	–	–	–	–	–	–
Conventional	65	316	21,186	2	914	22,483	725
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	21	34	3,429	–	473	3,957	128
Kerosene	9	1	3	–	1	14	0
Distillate Fuel Oil	163	115	33,114	–	2,875	36,266	1,170
15 ppm sulfur and under	136	1	27,905	–	2,771	30,813	994
Greater than 15 ppm to 500 ppm sulfur	26	2	3,851	–	70	3,949	127
Greater than 500 ppm sulfur	1	111	1,358	–	34	1,504	49
Residual Fuel Oil	449	0	3,223	–	2	3,674	119
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	150	–	467	–	–	617	20
Special Naphthas	–	–	–	–	–	–	–
Lubricants	320	220	3,020	15	513	4,088	132
Waxes	83	21	19	0	5	128	4
Petroleum Coke	429	507	14,199	0	3,537	18,672	602
Asphalt and Road Oil	77	20	216	1	31	346	11
Miscellaneous Products	10	0	79	0	0	89	3
Total	**12,510**	**12,547**	**264,003**	**121**	**10,039**	**299,222**	**9,652**

– – = 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-May 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**1,440**	**12,856**	**592,282**	**–**	**1,053**	**607,631**	**4,024**
Hydrocarbon Gas Liquids	**40,019**	**29,739**	**316,873**	**36**	**8,364**	**395,031**	**2,616**
Natural Gas Liquids	40,019	29,739	316,873	36	8,364	395,031	2,616
Ethane	10,787	9,900	53,202	0	–	73,890	489
Propane	20,517	732	204,958	6	4,784	230,998	1,530
Normal Butane	8,493	537	57,447	0	3,498	69,974	463
Isobutane	4	8	635	–	8	655	4
Natural Gasoline	219	18,562	631	29	74	19,515	129
Other Liquids	**934**	**17,951**	**47,968**	**233**	**3,108**	**70,194**	**465**
Hydrogen/Biofuels/Other Hydrocarbons	723	5,371	8,867	202	1,280	16,442	109
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	723	5,371	8,867	202	1,280	16,442	109
Fuel Ethanol	702	4,310	8,021	166	958	14,157	94
Biodiesel	21	1,061	846	35	321	2,285	15
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	197	12,301	30,757	29	939	44,223	293
Naphthas and Lighter	137	12,100	28,096	0	25	40,358	267
Kerosene and Light Gas Oils	60	201	2,661	29	914	3,865	26
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	15	279	8,344	2	889	9,529	63
Reformulated	1	–	221	–	4	226	1
Conventional	13	279	8,123	2	886	9,302	62
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**9,616**	**4,551**	**373,739**	**95**	**44,161**	**432,163**	**2,862**
Finished Motor Gasoline	584	1,316	114,213	5	4,393	120,510	798
Reformulated	–	–	–	–	–	–	–
Conventional	584	1,316	114,213	5	4,393	120,510	798
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	793	149	20,582	–	3,442	24,966	165
Kerosene	22	5	577	–	1	605	4
Distillate Fuel Oil	2,271	327	140,149	0	14,204	156,951	1,039
15 ppm sulfur and under	1,520	13	119,043	0	12,066	132,641	878
Greater than 15 ppm to 500 ppm sulfur	596	32	13,977	–	596	15,201	101
Greater than 500 ppm sulfur	155	282	7,130	–	1,542	9,108	60
Residual Fuel Oil	1,805	0	15,376	–	3,305	20,486	136
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	155	–	4,313	–	50	4,518	30
Special Naphthas	–	–	–	–	–	–	–
Lubricants	1,158	933	13,026	81	1,229	16,427	109
Waxes	345	161	100	1	23	630	4
Petroleum Coke	2,048	1,382	63,057	0	17,385	83,872	555
Asphalt and Road Oil	363	270	2,008	7	130	2,779	18
Miscellaneous Products	74	8	337	0	1	419	3
Total	**52,010**	**65,097**	**1,330,862**	**364**	**56,686**	**1,505,018**	**9,967**

– – = 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, May 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	–	–	–	4	–	503	503	–	–	–
Australia	1,473	589	–	0	–	–	–	1	–	1
Bahamas	–	57	–	358	–	1,064	1,064	–	262	262
Bahrain	–	–	–	–	–	–	–	–	0	0
Belgium	–	1,121	–	1,309	–	0	0	–	–	–
Belize	–	38	–	–	–	46	46	–	–	–
Brazil	1,151	1,474	–	1,040	–	957	957	0	0	0
Canada	9,742	4,080	–	2,739	–	472	472	–	898	898
Cayman Islands	–	5	–	–	–	9	9	–	–	–
Chile	–	2,325	–	219	–	520	520	–	–	–
China	8,033	16,060	–	9	–	–	–	–	–	–
Colombia	1,198	22	–	593	–	0	0	–	–	–
Costa Rica	–	97	–	2	–	612	612	–	–	–
Denmark	683	–	–	–	–	–	–	–	–	–
Dominican Republic	486	788	–	0	–	353	353	–	–	–
Ecuador	–	1,071	–	8	–	899	899	–	–	–
Egypt	–	1,710	–	–	–	–	–	–	–	–
El Salvador	–	237	–	0	–	561	561	–	–	–
Finland	1,682	55	–	–	–	–	–	–	–	–
France	4,803	781	–	30	–	–	–	–	–	–
Germany	568	0	–	332	–	–	–	–	–	–
Ghana	–	–	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	–	–	–
Guatemala	–	413	–	6	–	1,896	1,896	–	–	–
Honduras	–	684	–	–	–	397	397	–	–	–
Hong Kong	–	–	–	0	–	–	–	–	–	–
India	7,727	2,898	–	0	–	–	–	–	–	–
Indonesia	–	1,518	–	–	–	–	–	–	–	–
Ireland	1,196	–	–	–	–	–	–	–	–	–
Israel	–	–	–	–	–	–	–	–	–	–
Italy	4,960	–	–	649	–	–	–	–	–	–
Jamaica	–	70	–	–	–	335	335	0	–	0
Japan	2,043	11,852	–	1	–	0	0	–	–	–
Korea, South	10,350	6,854	–	0	–	1	1	–	–	–
Lebanon	–	–	–	–	–	–	–	–	–	–
Mexico	–	4,508	–	877	–	12,327	12,327	49	1,380	1,430
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	2,463	–	–	–	–	–	–	–	–
Mozambique	–	–	–	–	–	–	–	–	–	–
Netherlands	17,501	972	–	1,328	–	–	–	–	–	–
New Zealand	–	–	–	–	–	–	–	–	–	–
Nicaragua	–	0	–	–	–	58	58	–	0	0
Nigeria	–	270	–	–	–	–	–	–	–	–
Norway	–	1,051	–	248	–	–	–	–	–	–
Pakistan	–	–	–	–	–	–	–	–	–	–
Panama	1,047	258	–	0	–	656	656	–	–	–
Peru	750	365	–	2	–	738	738	–	–	–
Philippines	–	–	–	0	–	–	–	–	–	–
Portugal	822	407	–	–	–	–	–	–	–	–
Puerto Rico	–	16	–	102	–	3	3	–	0	0
Romania	–	–	–	0	–	–	–	–	–	–
Saudi Arabia	–	0	–	1	–	–	–	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	6,103	1,770	–	0	–	–	–	–	–	–
South Africa	848	839	–	0	–	–	–	–	–	–
Spain	9,123	1,152	–	17	–	–	–	–	–	–
Switzerland	–	799	–	0	–	–	–	–	–	–
Taiwan	5,629	1	–	1	–	0	0	0	–	0
Thailand	3,128	1	–	2	–	–	–	–	–	–
Trinidad and Tobago	–	0	–	1	–	0	0	–	–	–
Turkiye	–	566	–	–	–	–	–	–	–	–
United Arab Emirates	–	0	–	0	–	–	–	–	–	–
United Kingdom	8,300	1,071	–	671	–	0	0	–	–	–
Venezuela	–	0	–	–	–	–	–	–	–	–
Other	8,121	3,503	–	6	–	76	76	1	1	–
Total	**117,467**	**74,811**	**–**	**10,555**	**–**	**22,483**	**22,483**	**51**	**2,541**	**2,591**

See footnotes at end of table.

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

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel[2]	Other Biofuels[2,3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	0	–	NA	NA	1,043	–	600	–	1,643	–	–
Australia	–	–	NA	NA	1	–	–	–	1	–	–
Bahamas	–	–	NA	NA	153	155	145	–	453	0	–
Bahrain	–	–	NA	NA	0	–	–	–	0	–	–
Belgium	0	–	NA	NA	305	–	–	–	305	–	–
Belize	–	–	NA	NA	37	–	–	–	37	–	–
Brazil	0	–	NA	NA	2,117	–	0	–	2,117	–	–
Canada	1,218	730	NA	NA	277	98	145	–	520	4	–
Cayman Islands	0	–	NA	NA	60	–	–	–	60	–	–
Chile	0	–	NA	NA	5,195	–	–	–	5,195	–	–
China	0	0	NA	NA	0	–	–	–	0	–	–
Colombia	143	–	NA	NA	1	1	–	–	2	–	–
Costa Rica	0	–	NA	NA	582	–	–	–	582	0	–
Denmark	–	–	NA	NA	507	302	–	–	809	–	–
Dominican Republic	0	0	NA	NA	200	25	154	–	379	0	–
Ecuador	–	–	NA	NA	844	–	–	–	844	–	–
Egypt	0	–	NA	NA	–	–	–	–	–	–	–
El Salvador	–	–	NA	NA	162	349	–	–	511	0	–
Finland	–	–	NA	NA	–	–	0	–	0	–	–
France	0	–	NA	NA	1,366	–	–	–	1,366	–	–
Germany	0	0	NA	NA	0	–	–	–	0	–	–
Ghana	–	–	NA	NA	–	–	–	–	–	–	–
Gibraltar	–	–	NA	NA	–	–	–	–	–	–	–
Greece	–	–	NA	NA	–	–	–	–	–	–	–
Guatemala	0	–	NA	NA	206	1,209	–	–	1,415	0	–
Honduras	–	–	NA	NA	122	397	–	–	520	0	–
Hong Kong	–	–	NA	NA	–	–	–	–	–	–	–
India	14	–	NA	NA	0	–	–	–	0	–	–
Indonesia	–	0	NA	NA	–	–	–	–	–	–	–
Ireland	1	–	NA	NA	–	–	–	–	–	–	–
Israel	1	–	NA	NA	–	–	–	–	–	–	–
Italy	–	–	NA	NA	–	–	–	–	–	–	–
Jamaica	62	0	NA	NA	0	115	30	–	145	0	–
Japan	0	–	NA	NA	–	–	–	–	–	–	–
Korea, South	230	–	NA	NA	0	–	–	–	0	–	–
Lebanon	–	–	NA	NA	1	–	–	–	1	–	–
Mexico	35	0	NA	NA	9,171	0	5	–	9,176	3	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	–	–	–	–	–	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	506	–	NA	NA	1,778	–	–	–	1,778	–	–
New Zealand	–	–	NA	NA	0	–	–	–	0	–	–
Nicaragua	–	–	NA	NA	128	33	–	–	162	0	–
Nigeria	–	–	NA	NA	0	–	–	–	0	0	–
Norway	1	–	NA	NA	–	–	–	–	–	–	–
Pakistan	–	–	NA	NA	–	–	–	–	–	–	–
Panama	–	–	NA	NA	817	325	12	–	1,154	0	–
Peru	147	23	NA	NA	1,151	–	–	–	1,151	–	–
Philippines	0	–	NA	NA	–	–	–	–	–	–	–
Portugal	–	–	NA	NA	305	–	–	–	305	–	–
Puerto Rico	5	–	NA	NA	1	–	–	–	1	–	–
Romania	–	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	76	–	NA	NA	3	–	–	–	3	–	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	0	1	NA	NA	0	–	–	–	0	–	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	–	–	NA	NA	321	620	–	–	941	–	–
Switzerland	2	–	NA	NA	606	–	–	–	606	–	–
Taiwan	1	–	NA	NA	0	–	–	–	0	–	–
Thailand	–	–	NA	NA	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	NA	NA	–	–	–	–	–	–	–
Turkiye	–	–	NA	NA	–	–	–	–	–	0	–
United Arab Emirates	0	–	NA	NA	–	–	–	–	–	0	–
United Kingdom	230	–	NA	NA	3,096	–	–	–	3,096	0	–
Venezuela	–	–	NA	NA	1	–	–	–	1	–	–
Other	32	3	NA	NA	256	320	413	–	987	7	–
Total	**2,704**	**757**	NA	NA	**30,813**	**3,949**	**1,504**	**–**	**36,266**	**14**	**–**

See footnotes at end of table.

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

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	–	19	–	0	–	–	1	–
Australia	–	–	–	–	–	–	0	244
Bahamas	–	59	–	–	–	–	–	–
Bahrain	–	0	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	0
Belize	–	10	–	–	–	–	–	–
Brazil	–	–	–	132	–	–	2	2,103
Canada	–	558	–	506	–	–	96	958
Cayman Islands	–	7	–	0	–	–	–	–
Chile	–	354	–	0	–	–	–	–
China	–	0	–	4	–	–	3	829
Colombia	–	–	–	–	–	–	0	0
Costa Rica	–	123	–	–	–	–	0	–
Denmark	–	–	–	391	–	–	–	184
Dominican Republic	–	140	–	0	–	–	0	181
Ecuador	–	–	–	–	–	–	0	220
Egypt	–	–	–	–	–	–	–	–
El Salvador	–	82	–	–	–	–	0	–
Finland	–	–	–	–	–	–	–	–
France	–	275	–	–	–	–	0	242
Germany	–	–	–	1	–	–	3	304
Ghana	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	294
Guatemala	–	85	–	–	–	–	1	265
Honduras	–	30	–	–	–	–	0	969
Hong Kong	–	–	–	–	–	–	0	–
India	–	0	–	136	–	368	2	3,038
Indonesia	–	–	–	–	–	–	0	121
Ireland	–	–	–	–	–	–	–	80
Israel	–	333	–	–	–	–	0	189
Italy	–	–	–	–	–	–	0	349
Jamaica	–	97	–	–	–	–	–	182
Japan	–	–	–	–	–	–	1	1,820
Korea, South	–	–	–	285	–	–	0	242
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	449	–	212	–	0	16	644
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	331	–	–	–	723
Mozambique	–	–	–	–	–	–	–	55
Netherlands	–	–	–	661	–	–	1	426
New Zealand	–	–	–	–	–	–	0	–
Nicaragua	–	0	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	139
Pakistan	–	–	–	–	–	–	0	–
Panama	–	444	–	239	–	–	–	–
Peru	–	355	–	–	–	–	0	0
Philippines	–	–	–	–	–	–	0	299
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	–	1	–	–	–	–	0	–
Romania	–	–	–	–	–	–	0	–
Saudi Arabia	–	–	–	–	–	–	0	102
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	–	–	0	–	–	0	398
South Africa	–	–	–	–	–	–	0	55
Spain	–	0	–	–	–	–	–	571
Switzerland	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	0	–
Thailand	–	–	–	–	–	249	0	303
Trinidad and Tobago	–	–	–	–	–	–	0	0
Turkiye	–	–	–	1	–	–	0	891
United Arab Emirates	–	–	–	–	–	–	0	601
United Kingdom	–	–	–	–	–	–	0	209
Venezuela	–	–	–	–	–	–	–	–
Other	–	536	–	775	–	–	2	442
Total	**–**	**3,957**	**–**	**3,674**	**–**	**617**	**128**	**18,672**

See footnotes at end of table.

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

Destination	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	0	74	–	2,244	2,244	–	72	72
Australia	–	4	1	840	2,313	48	27	75
Bahamas	0	1	0	2,255	2,255	–	73	73
Bahrain	–	0	–	1	1	–	0	0
Belgium	0	534	1	3,270	3,270	–	105	105
Belize	–	1	–	133	133	–	4	4
Brazil	0	373	1	8,198	9,349	37	264	302
Canada	100	302	2	13,185	22,927	314	425	740
Cayman Islands	2	1	–	83	83	–	3	3
Chile	–	23	–	8,637	8,637	–	279	279
China	4	9	1	16,918	24,951	259	546	805
Colombia	0	116	7	883	2,081	39	28	67
Costa Rica	39	16	0	1,471	1,471	–	47	47
Denmark	–	–	–	1,383	2,067	22	45	67
Dominican Republic	25	51	0	1,918	2,404	16	62	78
Ecuador	0	90	0	3,131	3,131	–	101	101
Egypt	–	0	–	1,710	1,710	–	55	55
El Salvador	–	20	–	1,411	1,411	–	46	46
Finland	–	0	–	55	1,736	54	2	56
France	–	97	–	2,791	7,594	155	90	245
Germany	2	2	–	645	1,213	18	21	39
Ghana	–	1	–	1	1	–	0	0
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	0	–	294	294	–	9	9
Guatemala	–	15	–	4,096	4,096	–	132	132
Honduras	33	12	–	2,645	2,645	–	85	85
Hong Kong	–	1	–	1	1	–	0	0
India	1	377	0	6,833	14,560	249	220	470
Indonesia	–	1	–	1,640	1,640	–	53	53
Ireland	–	0	0	80	1,276	39	3	41
Israel	–	1	0	525	525	–	17	17
Italy	–	0	–	998	5,958	160	32	192
Jamaica	–	8	0	899	899	–	29	29
Japan	0	5	2	13,682	15,725	66	441	507
Korea, South	0	6	0	7,618	17,968	334	246	580
Lebanon	–	0	–	1	1	–	0	0
Mexico	105	1,365	68	31,214	31,214	–	1,007	1,007
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	3,517	3,517	–	113	113
Mozambique	–	–	–	55	55	–	2	2
Netherlands	1	4	0	5,676	23,177	565	183	748
New Zealand	0	1	–	1	1	–	0	0
Nicaragua	–	3	–	223	223	–	7	7
Nigeria	–	208	–	477	477	–	15	15
Norway	–	1	0	1,439	1,439	–	46	46
Pakistan	–	0	–	0	0	–	0	0
Panama	29	9	5	2,794	3,841	34	90	124
Peru	–	114	–	2,896	3,646	24	93	118
Philippines	–	0	0	299	299	–	10	10
Portugal	–	0	–	712	1,534	27	23	49
Puerto Rico	–	19	–	147	147	–	5	5
Romania	–	0	–	0	0	–	0	0
Saudi Arabia	–	4	–	186	186	–	6	6
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	1	–	2,172	8,275	197	70	267
South Africa	–	65	–	960	1,808	27	31	58
Spain	–	0	–	2,681	11,805	294	86	381
Switzerland	–	0	–	1,408	1,408	–	45	45
Taiwan	–	3	–	6	5,636	182	0	182
Thailand	1	3	0	558	3,686	101	18	119
Trinidad and Tobago	0	23	0	25	25	–	1	1
Turkiye	–	59	–	1,517	1,517	–	49	49
United Arab Emirates	1	19	–	622	622	–	20	20
United Kingdom	–	2	0	5,280	13,580	268	170	438
Venezuela	–	11	–	12	12	–	0	0
Other	3	33	1	6,402	14,522	260	211	468
Total	**346**	**4,088**	**89**	**181,754**	**299,222**	**3,789**	**5,863**	**9,652**

– – = 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-May 2023
(Thousand Barrels)

Destination	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	–	0	–	264	–	893	893	–	–	–
Australia	5,330	1,694	–	8	–	0	0	2	0	2
Bahamas	–	241	–	1,339	–	2,722	2,722	–	1,592	1,592
Bahrain	–	–	–	0	–	1	1	0	0	0
Belgium	–	10,185	–	3,295	–	0	0	–	–	–
Belize	–	166	–	–	–	429	429	–	–	–
Brazil	6,415	4,198	–	4,603	–	1,981	1,981	0	0	0
Canada	46,384	30,218	–	12,713	–	3,407	3,407	–	3,711	3,711
Cayman Islands	–	17	–	–	–	68	68	0	0	0
Chile	1,419	6,602	–	653	–	4,438	4,438	–	–	–
China	84,240	64,628	–	32	–	–	–	–	0	0
Colombia	6,170	351	–	4,389	–	2,395	2,395	–	–	–
Costa Rica	–	498	–	46	–	4,338	4,338	0	–	0
Denmark	9,392	–	–	56	–	–	–	0	–	0
Dominican Republic	2,988	5,674	–	270	–	2,712	2,712	0	0	0
Ecuador	–	5,328	–	618	–	3,038	3,038	–	–	–
Egypt	–	8,249	–	–	–	–	–	–	–	–
El Salvador	–	1,499	–	1	–	2,069	2,069	–	1	1
Finland	5,364	1,875	–	1	–	–	–	–	–	–
France	25,097	3,241	–	108	–	0	0	–	–	–
Germany	13,220	183	–	348	–	–	–	–	–	–
Ghana	–	694	–	0	–	–	–	–	–	–
Gibraltar	–	1,490	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	0	0	–	–	–
Guatemala	–	2,065	–	14	–	8,802	8,802	–	–	–
Honduras	–	3,194	–	15	–	2,901	2,901	–	1	1
Hong Kong	–	–	–	4	–	1	1	–	–	–
India	28,409	16,448	–	16	–	–	–	–	–	–
Indonesia	3,526	13,031	–	1	–	–	–	–	–	–
Ireland	6,398	–	–	–	–	0	0	1	–	1
Israel	746	1	–	3	–	0	0	–	–	–
Italy	21,051	1,335	–	657	–	–	–	–	–	–
Jamaica	–	505	–	–	–	968	968	0	0	0
Japan	3,068	74,184	–	1,514	–	1	1	2	–	2
Korea, South	54,461	27,236	–	5	–	2	2	0	2	2
Lebanon	–	–	–	–	–	0	0	–	–	–
Mexico	–	30,685	–	4,097	–	69,139	69,139	219	3,423	3,643
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	10,581	–	–	–	–	–	–	–	–
Mozambique	–	–	–	1	–	–	–	–	–	–
Netherlands	80,201	12,061	–	3,630	–	325	325	–	–	–
New Zealand	–	0	–	0	–	0	0	–	–	–
Nicaragua	1,370	156	–	0	–	314	314	–	0	0
Nigeria	–	2,004	–	1	–	–	–	–	–	–
Norway	4,280	6,851	–	802	–	–	–	–	–	–
Pakistan	–	–	–	–	–	0	0	–	–	–
Panama	5,818	1,633	–	300	–	3,608	3,608	0	16	17
Peru	3,779	2,080	–	406	–	3,906	3,906	–	239	239
Philippines	–	–	–	2	–	–	–	–	–	–
Portugal	2,582	1,086	–	–	–	–	–	–	–	–
Puerto Rico	–	44	–	104	–	10	10	–	0	0
Romania	–	–	–	1	–	–	–	–	–	–
Saudi Arabia	–	0	–	4	–	1	1	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	39,093	4,471	–	858	–	134	134	0	–	0
South Africa	848	2,839	–	3	–	326	326	–	315	315
Spain	29,799	3,485	–	54	–	–	–	–	–	–
Switzerland	–	799	–	0	–	–	–	–	–	–
Taiwan	31,144	581	–	5	–	2	2	0	–	0
Thailand	10,328	1	–	6	–	–	–	–	–	–
Trinidad and Tobago	–	3	–	2	–	1	1	–	–	–
Turkiye	829	3,687	–	0	–	–	–	0	–	0
United Arab Emirates	–	2	–	0	–	4	4	0	–	0
United Kingdom	45,981	5,830	–	1,225	–	3	3	–	–	–
Venezuela	–	1	–	1,346	–	0	0	0	–	0
Other	27,901	21,121	–	403	–	1,571	1,571	2	2	3
Total	**607,631**	**395,031**	**–**	**44,223**	**–**	**120,510**	**120,510**	**226**	**9,302**	**9,529**

See footnotes at end of table.

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

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel[2]	Other Biofuels[2,3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	0	–	NA	NA	4,007	307	2,168	–	6,482	0	–
Australia	0	–	NA	NA	3	–	2	–	5	–	–
Bahamas	0	–	NA	NA	1,141	155	1,222	–	2,517	5	–
Bahrain	1	–	NA	NA	0	–	–	–	0	–	–
Belgium	1	–	NA	NA	933	–	–	–	933	171	–
Belize	1	–	NA	NA	93	215	1	–	310	–	–
Brazil	1	–	NA	NA	7,879	275	0	–	8,154	295	–
Canada	5,824	2,085	NA	NA	287	792	346	–	1,425	17	–
Cayman Islands	0	–	NA	NA	351	–	–	–	351	–	–
Chile	0	–	NA	NA	19,054	–	–	–	19,054	0	–
China	4	0	NA	NA	3	–	–	–	3	–	–
Colombia	417	–	NA	NA	1,570	1	–	–	1,570	0	–
Costa Rica	0	–	NA	NA	3,555	–	–	–	3,555	1	–
Denmark	–	–	NA	NA	507	302	–	–	809	–	–
Dominican Republic	1	0	NA	NA	2,427	25	940	–	3,392	1	–
Ecuador	0	–	NA	NA	7,992	855	280	–	9,127	–	–
Egypt	88	–	NA	NA	0	–	–	–	0	–	–
El Salvador	0	–	NA	NA	362	1,578	–	–	1,940	0	–
Finland	16	–	NA	NA	–	–	0	–	0	–	–
France	0	–	NA	NA	1,366	–	–	–	1,366	0	–
Germany	0	7	NA	NA	0	–	–	–	0	0	–
Ghana	–	–	NA	NA	–	–	–	–	–	–	–
Gibraltar	–	–	NA	NA	327	–	–	–	327	–	–
Greece	66	–	NA	NA	0	–	–	–	0	–	–
Guatemala	0	–	NA	NA	2,069	4,408	103	–	6,580	1	–
Honduras	0	–	NA	NA	631	1,411	398	–	2,440	0	–
Hong Kong	0	–	NA	NA	–	–	–	–	–	–	–
India	1,072	–	NA	NA	131	–	0	–	131	–	–
Indonesia	0	1	NA	NA	–	–	–	–	–	–	–
Ireland	3	–	NA	NA	–	–	–	–	–	–	–
Israel	4	–	NA	NA	–	–	–	–	–	–	–
Italy	0	–	NA	NA	–	–	–	–	–	–	–
Jamaica	334	0	NA	NA	428	115	80	–	623	0	–
Japan	1	–	NA	NA	0	–	–	–	0	0	–
Korea, South	1,199	0	NA	NA	7	–	–	–	7	0	–
Lebanon	–	–	NA	NA	1	–	–	–	1	–	–
Mexico	583	1	NA	NA	45,020	422	14	–	45,457	6	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	–	–	–	–	–	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	1,393	–	NA	NA	4,212	749	–	–	4,961	0	–
New Zealand	–	–	NA	NA	0	–	–	–	0	–	–
Nicaragua	0	–	NA	NA	894	315	124	–	1,333	98	–
Nigeria	135	–	NA	NA	0	–	–	–	0	0	–
Norway	66	4	NA	NA	295	–	–	–	295	–	–
Pakistan	–	–	NA	NA	1	–	–	–	1	–	–
Panama	0	0	NA	NA	5,805	968	113	–	6,886	1	–
Peru	561	178	NA	NA	7,311	–	–	–	7,311	0	–
Philippines	283	–	NA	NA	0	–	–	–	0	0	–
Portugal	–	–	NA	NA	305	–	–	–	305	–	–
Puerto Rico	22	–	NA	NA	944	1	–	–	945	–	–
Romania	0	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	236	–	NA	NA	6	–	–	–	6	0	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	98	8	NA	NA	929	123	1,474	–	2,525	0	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	59	–	NA	NA	570	620	–	–	1,190	–	–
Switzerland	10	–	NA	NA	1,626	–	–	–	1,626	–	–
Taiwan	2	–	NA	NA	1	–	–	–	1	0	–
Thailand	0	–	NA	NA	–	–	–	–	–	–	–
Trinidad and Tobago	0	–	NA	NA	383	–	–	–	383	–	–
Turkiye	–	–	NA	NA	80	–	–	–	80	0	–
United Arab Emirates	122	–	NA	NA	1	–	–	–	1	2	–
United Kingdom	1,342	0	NA	NA	6,592	–	–	–	6,592	0	–
Venezuela	0	–	NA	NA	5	–	–	–	5	–	–
Other	212	1	NA	NA	2,537	1,564	1,843	–	5,946	7	–
Total	**14,157**	**2,285**	NA	NA	**132,641**	**15,201**	**9,108**	**–**	**156,951**	**605**	**–**

See footnotes at end of table.

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

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	–	19	–	35	–	71	2	119
Australia	–	–	–	–	–	–	4	762
Bahamas	–	444	–	1,553	–	–	–	–
Bahrain	–	0	–	–	–	–	–	116
Belgium	–	–	–	–	–	–	0	579
Belize	–	71	–	–	–	–	–	–
Brazil	–	309	–	557	–	–	10	8,522
Canada	–	4,047	–	2,214	–	6	466	3,761
Cayman Islands	–	101	–	0	–	–	–	–
Chile	–	2,298	–	1,175	–	–	1	0
China	–	0	–	14	–	–	16	12,428
Colombia	–	–	–	–	–	–	1	1
Costa Rica	–	914	–	114	–	–	0	182
Denmark	–	–	–	778	–	–	0	184
Dominican Republic	–	1,005	–	372	–	–	1	574
Ecuador	–	–	–	–	–	–	0	790
Egypt	–	–	–	0	–	528	–	275
El Salvador	–	239	–	–	–	–	0	275
Finland	–	–	–	0	–	–	–	–
France	–	275	–	270	–	–	1	627
Germany	–	–	–	1	–	–	10	305
Ghana	–	–	–	–	–	–	–	117
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	1,341
Guatemala	–	660	–	0	–	–	1	1,474
Honduras	–	234	–	–	–	–	0	1,452
Hong Kong	–	–	–	–	–	–	1	598
India	–	0	–	136	–	2,302	5	13,126
Indonesia	–	–	–	–	–	–	1	121
Ireland	–	–	–	–	–	–	–	200
Israel	–	667	–	–	–	–	0	515
Italy	–	–	–	–	–	182	0	2,289
Jamaica	–	738	–	101	–	–	0	182
Japan	–	–	–	1	–	–	3	7,344
Korea, South	–	0	–	1,117	–	–	1	535
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	6,730	–	1,271	–	255	87	6,845
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	331	–	–	–	2,810
Mozambique	–	–	–	–	–	–	–	453
Netherlands	–	–	–	4,130	–	–	5	1,000
New Zealand	–	–	–	–	–	–	0	99
Nicaragua	–	38	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	0	–
Norway	–	–	–	–	–	–	0	504
Pakistan	–	–	–	–	–	–	0	–
Panama	–	2,449	–	2,590	–	–	0	–
Peru	–	1,068	–	0	–	–	0	0
Philippines	–	–	–	–	–	–	0	567
Portugal	–	–	–	450	–	–	0	383
Puerto Rico	–	268	–	–	–	–	0	–
Romania	–	–	–	–	–	–	0	138
Saudi Arabia	–	–	–	0	–	–	0	103
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	10	–	120	–	50	0	398
South Africa	–	–	–	0	–	136	0	412
Spain	–	0	–	1	–	–	2	1,656
Switzerland	–	–	–	–	–	–	0	–
Taiwan	–	–	–	–	–	–	1	1
Thailand	–	–	–	0	–	989	1	303
Trinidad and Tobago	–	130	–	65	–	–	0	0
Turkiye	–	–	–	1	–	–	0	4,405
United Arab Emirates	–	–	–	494	–	–	0	907
United Kingdom	–	0	–	0	–	–	1	731
Venezuela	–	0	–	–	–	–	0	–
Other	–	2,252	–	2,595	–	0	9	3,363
Total	**–**	**24,966**	**–**	**20,486**	**–**	**4,518**	**630**	**83,872**

See footnotes at end of table.

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

Destination	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	107	224	24	8,240	8,240	–	55	55
Australia	0	24	2	2,502	7,832	35	17	52
Bahamas	10	14	2	10,441	10,441	–	69	69
Bahrain	0	1	–	119	119	–	1	1
Belgium	1	1,901	5	17,070	17,070	–	113	113
Belize	–	3	–	979	979	–	6	6
Brazil	0	1,575	2	30,208	36,623	42	200	243
Canada	623	1,324	35	71,877	118,261	307	476	783
Cayman Islands	4	5	–	548	548	–	4	4
Chile	130	293	0	34,645	36,065	9	229	239
China	16	45	4	77,189	161,429	558	511	1,069
Colombia	1	519	8	9,651	15,821	41	64	105
Costa Rica	217	75	0	9,939	9,939	–	66	66
Denmark	–	0	–	1,828	11,219	62	12	74
Dominican Republic	218	135	1	14,354	17,343	20	95	115
Ecuador	0	250	17	19,168	19,168	–	127	127
Egypt	–	1	–	9,140	9,140	–	61	61
El Salvador	–	123	–	6,146	6,146	–	41	41
Finland	–	2	–	1,894	7,257	36	13	48
France	–	248	–	6,136	31,234	166	41	207
Germany	12	12	0	878	14,099	88	6	93
Ghana	–	1	–	812	812	–	5	5
Gibraltar	–	–	–	1,817	1,817	–	12	12
Greece	–	2	–	1,410	1,410	–	9	9
Guatemala	–	77	23	19,697	19,697	–	130	130
Honduras	177	51	0	10,466	10,466	–	69	69
Hong Kong	–	3	0	607	607	–	4	4
India	2	557	1	33,797	62,206	188	224	412
Indonesia	3	17	0	13,176	16,702	23	87	111
Ireland	–	0	0	205	6,603	42	1	44
Israel	–	394	1	1,584	2,330	5	10	15
Italy	1	1	0	4,464	25,515	139	30	169
Jamaica	–	24	0	3,474	3,474	–	23	23
Japan	6	33	14	83,104	86,173	20	550	571
Korea, South	1	60	1	30,167	84,628	361	200	560
Lebanon	–	2	–	4	4	–	0	0
Mexico	596	5,528	224	175,147	175,147	–	1,160	1,160
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	0	–	13,721	13,721	–	91	91
Mozambique	–	0	–	455	455	–	3	3
Netherlands	4	250	1	27,760	107,961	531	184	715
New Zealand	286	3	–	389	389	–	3	3
Nicaragua	–	16	–	1,955	3,325	9	13	22
Nigeria	182	581	–	2,903	2,903	–	19	19
Norway	–	2	0	8,524	12,804	28	56	85
Pakistan	–	0	–	1	1	–	0	0
Panama	114	214	5	17,816	23,634	39	118	157
Peru	0	350	39	16,139	19,917	25	107	132
Philippines	–	4	1	857	857	–	6	6
Portugal	–	0	–	2,224	4,806	17	15	32
Puerto Rico	3	78	0	1,475	1,475	–	10	10
Romania	–	1	–	140	140	–	1	1
Saudi Arabia	–	42	0	393	393	–	3	3
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	58	0	8,732	47,825	259	58	317
South Africa	0	293	–	4,324	5,172	6	29	34
Spain	–	9	–	6,455	36,254	197	43	240
Switzerland	1	0	–	2,436	2,436	–	16	16
Taiwan	0	14	1	609	31,753	206	4	210
Thailand	4	21	1	1,324	11,652	68	9	77
Trinidad and Tobago	0	36	0	621	621	–	4	4
Turkiye	1	222	–	8,396	9,225	5	56	61
United Arab Emirates	5	345	0	1,884	1,884	–	12	12
United Kingdom	0	12	0	15,737	61,718	305	104	409
Venezuela	–	48	–	1,400	1,400	–	9	9
Other	54	304	7	37,835	65,733	187	249	434
Total	**2,779**	**16,427**	**419**	**897,388**	**1,505,018**	**4,024**	**5,943**	**9,967**

– – = 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, May 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	**1,011**	**-7**	**–**	**193**	**–**	**1**	**1**	**14**	**50**	**64**
Algeria	30	–	–	57	–	–	–	–	–	–
Angola	44	–	–	–	–	–	–	–	9	9
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	2	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	194	–	–	109	–	–	–	–	–	–
Kuwait	24	0	–	–	–	–	–	–	–	–
Libya	75	0	–	–	–	–	–	–	–	–
Nigeria	156	-9	–	–	–	–	–	–	5	5
Saudi Arabia	303	0	–	27	–	–	–	–	26	26
United Arab Emirates	–	0	–	0	–	1	1	14	10	24
Venezuela	185	0	–	–	–	–	–	–	–	–
Non-OPEC	**1,669**	**-2,296**	**19**	**-47**	**–**	**-526**	**-526**	**144**	**368**	**512**
Argentina	46	–	–	0	–	-16	-16	–	12	12
Aruba	–	0	–	–	–	0	0	–	–	–
Australia	-48	-19	–	0	–	–	–	0	–	0
Bahamas	–	-2	–	-12	–	-8	-8	–	0	0
Bahrain	–	–	–	–	–	–	–	–	0	0
Belgium	–	-36	–	-42	–	16	16	–	4	4
Brazil	63	-48	–	2	–	-23	-23	0	12	12
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,646	-23	19	-54	–	-2	-2	80	19	99
Chad	–	–	–	–	–	–	–	–	–	–
China	-259	-518	–	0	–	–	–	–	–	–
Colombia	172	-1	–	-9	–	0	0	–	6	6
Denmark	-22	–	–	–	–	0	0	0	3	3
Dominican Republic	-16	-25	–	0	–	-11	-11	–	–	–
Ecuador	169	-35	–	21	–	-29	-29	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	-54	-2	–	–	–	1	1	0	14	14
France	-155	-25	–	-1	–	15	15	1	7	7
Germany	-18	0	–	-11	–	–	–	–	1	1
Guatemala	9	-13	–	0	–	-61	-61	–	–	–
Honduras	–	-22	–	–	–	-13	-13	–	–	–
India	-249	-93	–	0	–	7	7	–	92	92
Indonesia	–	-49	–	–	–	–	–	–	–	–
Italy	-160	–	–	-15	–	3	3	–	21	21
Japan	-66	-382	–	0	–	5	5	–	10	10
Korea, South	-334	-221	–	0	–	19	19	–	19	19
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-22	–	–	–	–	–	–	–	6	6
Malaysia	–	–	–	0	–	–	–	–	–	–
Mexico	709	-145	–	127	–	-398	-398	-2	-45	-46
Netherlands	-552	-31	–	-34	–	18	18	24	38	62
Norway	13	-34	–	-8	–	23	23	8	21	29
Oman	–	–	–	0	–	0	0	–	1	1
Panama	-34	-8	–	0	–	-21	-21	–	–	–
Portugal	-27	-13	–	–	–	0	0	0	38	38
Puerto Rico	–	-1	–	-3	–	0	0	–	0	0
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	-294	-37	–	1	–	6	6	1	37	38
Sweden	-163	-52	–	–	–	1	1	–	–	–
Trinidad and Tobago	20	0	–	0	–	0	0	–	–	–
United Kingdom	-255	-35	–	-22	–	28	28	32	4	36
Vietnam	–	0	–	0	–	–	–	–	–	–
Virgin Islands, U.S.	–	-7	–	0	–	0	0	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	-450	-419	0	13	–	-86	-86	0	48	48
Total	**2,680**	**-2,303**	**19**	**146**	**–**	**-525**	**-525**	**158**	**418**	**576**
Persian Gulf[5]	**521**	**0**	**–**	**136**	**–**	**1**	**1**	**14**	**36**	**50**

See footnotes at end of table.

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

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel[2]	Other Biofuels[2,3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	**-2**	**–**	**–**	**–**	**0**	**–**	**–**	**–**	**0**	**0**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	0	–	–	–	0	0	–
Saudi Arabia	-2	–	–	–	0	–	–	–	0	–	–
United Arab Emirates	0	–	–	–	–	–	–	–	–	0	–
Venezuela	–	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-85**	**2**	**37**	**–**	**-826**	**-127**	**-48**	**–**	**-1,002**	**0**	**0**
Argentina	0	–	–	–	-34	–	-19	–	-53	–	–
Aruba	0	–	–	–	0	–	–	–	0	–	–
Australia	–	–	–	–	0	–	–	–	0	–	–
Bahamas	–	–	–	–	-5	-5	-5	–	-15	0	–
Bahrain	–	–	–	–	0	–	–	–	0	–	–
Belgium	0	–	–	–	-10	–	–	–	-10	–	–
Brazil	0	–	–	–	-68	–	0	–	-68	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	-39	-15	–	–	139	-3	-5	–	132	1	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	0	–	–	0	–	–	–	0	–	–
Colombia	-5	–	–	–	0	0	–	–	0	–	–
Denmark	–	–	–	–	-16	-10	–	–	-26	–	–
Dominican Republic	0	0	–	–	-6	-1	-5	–	-12	0	–
Ecuador	–	–	–	–	-27	–	–	–	-27	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	6	–	–	–	0	–	0	–	–
France	0	–	–	–	-44	–	–	–	-44	–	–
Germany	0	10	–	–	0	–	–	–	0	–	–
Guatemala	0	–	–	–	-7	-39	–	–	-46	0	–
Honduras	–	–	–	–	-4	-13	–	–	-17	0	–
India	0	–	–	–	0	–	–	–	0	–	–
Indonesia	–	0	–	–	–	–	–	–	–	–	–
Italy	–	4	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	–	–	–	–	–	–	–
Korea, South	-7	2	–	–	10	–	–	–	10	–	–
Latvia	–	–	–	–	-8	–	–	–	-8	0	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-1	0	–	–	-296	0	0	–	-296	0	–
Netherlands	-16	–	–	–	-57	–	–	–	-57	–	–
Norway	0	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Panama	–	–	–	–	-26	-10	0	–	-37	0	–
Portugal	–	–	–	–	-10	–	–	–	-10	–	–
Puerto Rico	0	–	–	–	0	–	–	–	0	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	2	–	–	-9	-20	–	–	-29	–	–
Sweden	-1	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	-7	–	–	–	-100	–	–	–	-100	0	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	-8	–	-8	0	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-9	-1	31	–	-248	-26	-6	–	-281	-1	0
Total	**-87**	**2**	**37**	**–**	**-826**	**-127**	**-48**	**–**	**-1,002**	**0**	**0**
Persian Gulf[5]	**-2**	**–**	**–**	**–**	**0**	**–**	**–**	**–**	**0**	**0**	**–**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, May 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	**–**	**35**	**–**	**1**	**0**	**–**	**0**	**-23**
Algeria	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	–	–	0	–	–	–	–
Kuwait	–	16	–	–	–	–	0	–
Libya	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	0	0	–	0	-3
United Arab Emirates	–	19	–	–	–	–	0	-19
Venezuela	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**-10**	**15**	**-33**	**22**	**-13**	**0**	**-579**
Argentina	–	-1	–	0	–	1	0	–
Aruba	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	0	-8
Bahamas	–	-2	–	–	–	–	–	–
Bahrain	–	0	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	0
Brazil	–	–	1	-4	–	–	0	-68
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–
Canada	–	5	3	2	3	3	0	-30
Chad	–	–	–	–	–	–	–	–
China	–	0	–	0	–	–	0	-27
Colombia	–	–	–	14	–	–	0	0
Denmark	–	–	–	-13	–	–	–	-6
Dominican Republic	–	-5	–	0	–	–	0	-6
Ecuador	–	–	–	–	–	–	0	-7
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–
France	–	-9	–	–	–	1	0	-8
Germany	–	–	–	0	–	–	0	-10
Guatemala	–	-3	–	–	–	–	0	-9
Honduras	–	-1	–	–	–	–	0	-31
India	–	6	–	-4	1	-12	0	-98
Indonesia	–	–	–	–	–	–	0	-4
Italy	–	–	–	–	1	–	0	-11
Japan	–	2	1	–	1	–	0	-59
Korea, South	–	81	10	-9	8	–	0	-8
Latvia	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	0	-1
Mexico	–	-14	–	40	1	1	-1	-21
Netherlands	–	–	–	-18	–	–	0	-14
Norway	–	–	–	–	–	–	–	-4
Oman	–	–	–	–	0	–	–	-2
Panama	–	-14	–	-8	–	–	–	–
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	–	0	–	–	–	–	0	–
Qatar	–	–	–	–	–	–	0	0
Russia	–	–	–	–	–	–	–	–
Spain	–	0	–	0	–	–	0	-18
Sweden	–	-9	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	0	0
United Kingdom	–	–	–	–	0	–	0	-7
Vietnam	–	–	–	–	–	–	0	0
Virgin Islands, U.S.	–	–	–	-23	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-46	0	-10	7	-7	1	-122
Total	**–**	**25**	**15**	**-32**	**23**	**-13**	**0**	**-601**
Persian Gulf[5]	**–**	**35**	**–**	**1**	**0**	**–**	**0**	**-23**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, May 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**	**-3**	**–**	**258**	**1,269**
Algeria	–	0	–	57	87
Angola	–	0	–	9	53
Congo (Brazzaville)	–	–	–	–	–
Equatorial Guinea	–	0	–	2	2
Gabon	–	0	–	0	0
Iran	–	–	–	–	–
Iraq	–	0	–	110	303
Kuwait	–	0	–	16	40
Libya	–	0	–	0	75
Nigeria	–	-7	–	-11	145
Saudi Arabia	–	0	–	48	350
United Arab Emirates	0	4	–	28	28
Venezuela	–	0	–	0	184
Non-OPEC	**27**	**-80**	**-3**	**-4,038**	**-2,369**
Argentina	0	-2	–	-59	-14
Aruba	–	0	–	0	0
Australia	–	0	0	-27	-75
Bahamas	0	0	0	-37	-37
Bahrain	–	3	–	3	3
Belgium	0	-17	0	-85	-85
Brazil	0	-12	0	-207	-145
Brunei	–	0	–	0	0
Cameroon	–	0	–	0	0
Canada	35	-1	0	137	3,783
Chad	–	–	–	–	–
China	0	0	0	-546	-805
Colombia	0	-4	0	1	174
Denmark	–	–	–	-42	-64
Dominican Republic	-1	-2	0	-62	-77
Ecuador	0	-3	0	-80	90
Estonia	–	–	–	–	–
Finland	–	0	–	18	-36
France	–	-3	–	-66	-221
Germany	0	1	–	-9	-27
Guatemala	–	0	–	-132	-123
Honduras	-1	0	–	-85	-85
India	0	-12	0	-114	-363
Indonesia	–	2	–	-51	-51
Italy	–	0	–	3	-157
Japan	0	0	0	-423	-489
Korea, South	0	12	0	-84	-418
Latvia	–	–	–	-8	-8
Lithuania	–	0	–	6	-16
Malaysia	0	0	–	-1	-1
Mexico	-3	-44	-2	-802	-93
Netherlands	0	3	0	-89	-641
Norway	–	0	0	5	18
Oman	–	0	–	-1	-1
Panama	-1	0	0	-90	-124
Portugal	–	0	–	16	-11
Puerto Rico	–	-1	–	-5	-5
Qatar	–	13	–	13	13
Russia	–	–	–	–	–
Spain	–	0	–	-36	-330
Sweden	–	0	0	-62	-225
Trinidad and Tobago	0	-1	0	-1	19
United Kingdom	–	0	0	-106	-360
Vietnam	–	0	0	0	0
Virgin Islands, U.S.	–	0	–	-38	-38
Yemen	–	0	–	0	0
Other	-2	-12	-1	-892	-1,344
Total	**27**	**-84**	**-3**	**-3,780**	**-1,100**
Persian Gulf[5]	**0**	**20**	**–**	**218**	**738**

– – = 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-May 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	**1,055**	**-7**	**–**	**220**	**–**	**0**	**0**	**4**	**39**	**43**
Algeria	17	–	–	25	–	–	–	–	13	13
Angola	30	–	–	–	–	–	–	–	6	6
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	7	6	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	231	–	–	132	–	–	–	–	–	–
Kuwait	16	0	–	4	–	0	0	–	0	0
Libya	67	0	–	–	–	–	–	–	–	–
Nigeria	184	-13	–	2	–	–	–	–	4	4
Saudi Arabia	386	0	–	63	–	0	0	–	13	13
United Arab Emirates	9	0	–	2	–	0	0	4	3	7
Venezuela	107	0	–	-9	–	0	0	0	–	0
Non-OPEC	**1,284**	**-2,443**	**19**	**35**	**–**	**-672**	**-672**	**144**	**338**	**482**
Argentina	42	0	–	0	–	-6	-6	–	8	8
Aruba	–	0	–	0	–	-1	-1	–	–	–
Australia	-35	-11	–	0	–	0	0	0	0	0
Bahamas	–	-2	–	-9	–	6	6	1	-2	-2
Bahrain	–	–	–	0	–	0	0	0	0	0
Belgium	–	-67	–	-8	–	5	5	1	7	8
Brazil	80	-28	–	-3	–	-11	-11	0	5	5
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	4	–	–	–	–	–	–	–	–	–
Canada	3,559	-41	19	-71	–	-12	-12	75	36	111
Chad	–	–	–	–	–	–	–	–	–	–
China	-558	-428	–	0	–	2	2	–	0	0
Colombia	148	-2	–	-23	–	-16	-16	–	2	2
Denmark	-62	–	–	0	–	0	0	0	1	1
Dominican Republic	-20	-38	–	-2	–	-18	-18	0	0	0
Ecuador	132	-35	–	16	–	-20	-20	–	–	–
Estonia	–	–	–	–	–	-1	-1	–	–	–
Finland	-36	-12	–	0	–	3	3	2	9	10
France	-166	-21	–	1	–	12	12	2	11	13
Germany	-88	-1	–	-2	–	0	0	–	1	1
Guatemala	2	-14	–	0	–	-58	-58	–	–	–
Honduras	–	-21	–	0	–	-19	-19	–	0	0
India	-188	-109	–	16	–	4	4	4	70	73
Indonesia	-23	-86	–	1	–	–	–	–	–	–
Italy	-139	-9	–	1	–	2	2	2	33	35
Japan	-20	-491	–	-10	–	1	1	0	5	5
Korea, South	-361	-180	–	0	–	12	12	0	23	23
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-29	–	–	–	–	1	1	0	3	3
Malaysia	-8	–	–	22	–	0	0	–	2	2
Mexico	707	-203	–	110	–	-458	-458	-1	-21	-23
Netherlands	-529	-80	–	-16	–	12	12	22	36	58
Norway	-17	-45	–	-5	–	12	12	4	13	17
Oman	–	–	–	0	–	0	0	–	2	2
Panama	-39	-11	–	-2	–	-24	-24	0	0	0
Portugal	-17	-7	–	–	–	0	0	0	25	25
Puerto Rico	–	0	–	-1	–	0	0	–	0	0
Qatar	3	0	–	0	–	–	–	–	–	–
Russia	–	–	–	0	–	–	–	–	–	–
Spain	-197	-23	–	4	–	6	6	0	33	34
Sweden	-74	-70	–	-1	–	3	3	–	4	4
Trinidad and Tobago	24	1	–	0	–	0	0	–	–	–
United Kingdom	-267	-39	–	-3	–	6	6	33	8	40
Vietnam	–	0	–	0	–	–	–	–	–	–
Virgin Islands, U.S.	-9	-6	–	0	–	-7	-7	–	–	–
Yemen	–	–	–	0	–	–	–	–	–	–
Other	-535	-364	0	20	–	-108	-108	-1	24	27
Total	**2,339**	**-2,450**	**19**	**255**	**–**	**-672**	**-672**	**148**	**377**	**525**
Persian Gulf[5]	**646**	**0**	**–**	**201**	**–**	**0**	**0**	**4**	**17**	**21**

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-May 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel[2]	Other Biofuels[2,3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	**-3**	**–**	**–**	**–**	**7**	**–**	**–**	**–**	**7**	**0**	**–**
Algeria	–	–	–	–	0	–	–	–	0	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	0	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	-1	–	–	–	2	–	–	–	2	0	–
Saudi Arabia	-2	–	–	–	5	–	–	–	5	0	–
United Arab Emirates	-1	–	–	–	0	–	–	–	0	0	–
Venezuela	0	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-90**	**16**	**23**	**–**	**-678**	**-100**	**-59**	**–**	**-837**	**-1**	**0**
Argentina	0	–	–	–	-27	-2	-14	–	-43	0	–
Aruba	0	–	–	–	0	–	–	–	0	0	–
Australia	0	–	–	–	0	–	0	–	0	–	–
Bahamas	0	–	–	–	-8	-1	-8	–	-17	0	–
Bahrain	0	–	–	–	0	–	–	–	0	–	–
Belgium	0	–	–	–	-6	–	–	–	-6	-1	–
Brazil	0	1	–	–	-52	-2	0	–	-54	-2	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	3	–	–	–	3	–	–
Canada	-39	-5	–	–	145	-5	-2	–	138	0	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	0	–	–	0	–	–	–	0	–	–
Colombia	-3	–	–	–	-3	0	–	–	-3	0	–
Denmark	–	–	–	–	-3	-2	–	–	-5	–	–
Dominican Republic	0	0	–	–	-16	0	-6	–	-22	0	–
Ecuador	0	–	–	–	-53	-6	-2	–	-60	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	0	–	1	–	–	–	0	–	0	–	–
France	0	–	–	–	-9	–	–	–	-9	0	–
Germany	0	12	–	–	0	–	–	–	0	0	–
Guatemala	0	–	–	–	-14	-29	-1	–	-44	0	–
Honduras	0	–	–	–	-4	-9	-3	–	-16	0	–
India	-7	–	–	–	20	–	0	–	20	3	–
Indonesia	0	0	–	–	–	–	–	–	–	–	–
Italy	0	3	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	0	–	–	–	0	0	–
Korea, South	-8	2	–	–	5	–	–	–	5	0	–
Latvia	–	–	–	–	-2	–	–	–	-2	0	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-4	0	–	–	-296	-3	0	–	-299	0	–
Netherlands	-9	0	0	–	-28	-5	1	–	-32	0	0
Norway	0	0	–	–	-2	–	0	–	-2	–	–
Oman	–	–	–	–	0	–	–	–	0	–	–
Panama	0	0	–	–	-38	-6	-1	–	-46	0	–
Portugal	–	–	–	–	-2	–	–	–	-2	–	–
Puerto Rico	0	–	–	–	-6	0	–	–	-6	–	–
Qatar	–	–	–	–	7	–	–	–	7	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	0	4	–	–	-3	-4	–	–	-8	–	–
Sweden	-1	–	–	–	-2	–	–	–	-2	–	–
Trinidad and Tobago	0	–	–	–	-3	–	–	–	-3	–	–
United Kingdom	-9	0	–	–	-44	–	–	–	-44	0	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-7	–	-8	–	-15	0	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-10	-1	22	–	-230	-26	-15	–	-270	-1	0
Total	**-94**	**16**	**23**	**–**	**-671**	**-100**	**-59**	**–**	**-830**	**-1**	**0**
Persian Gulf[5]	**-2**	**–**	**–**	**–**	**13**	**–**	**–**	**–**	**13**	**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-May 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	**–**	**27**	**–**	**12**	**0**	**–**	**0**	**-8**
Algeria	–	–	–	8	–	–	–	–
Angola	–	–	–	0	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	0	–	4	–	–	–	–
Kuwait	–	17	–	–	–	–	0	-1
Libya	–	–	–	–	–	–	0	–
Nigeria	–	–	–	0	–	–	0	–
Saudi Arabia	–	5	–	2	0	–	0	-1
United Arab Emirates	–	5	–	-3	–	–	0	-6
Venezuela	–	0	–	–	–	–	0	–
Non-OPEC	**–**	**-45**	**16**	**-17**	**14**	**-24**	**0**	**-539**
Argentina	–	0	–	1	–	0	0	2
Aruba	–	-2	–	0	–	–	–	–
Australia	–	–	–	–	–	–	0	-5
Bahamas	–	-3	–	-10	–	–	–	–
Bahrain	–	0	–	–	–	–	–	-1
Belgium	–	–	–	2	–	–	0	-4
Brazil	–	-2	0	1	–	0	0	-56
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	0
Canada	–	-14	4	-4	3	3	0	-24
Chad	–	–	–	–	–	–	–	–
China	–	6	–	0	–	–	0	-82
Colombia	–	–	–	12	–	–	0	2
Denmark	–	–	–	-5	–	–	0	-1
Dominican Republic	–	-7	–	-2	–	–	0	-4
Ecuador	–	–	–	1	–	–	0	-5
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	0	–	–	–	–
France	–	-2	0	-2	–	0	0	-4
Germany	–	–	0	0	–	–	0	-2
Guatemala	–	-4	–	0	–	–	0	-10
Honduras	–	-2	–	–	–	–	0	-10
India	–	10	–	1	1	-15	0	-87
Indonesia	–	–	–	–	–	–	0	-1
Italy	–	1	–	0	1	-1	0	-15
Japan	–	11	0	2	0	–	0	-49
Korea, South	–	68	11	-7	3	–	0	-4
Latvia	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	0	–
Malaysia	–	0	–	1	–	–	0	0
Mexico	–	-44	–	41	2	1	-1	-45
Netherlands	–	–	1	-23	1	–	0	-6
Norway	–	0	–	–	–	–	0	-3
Oman	–	–	–	–	0	–	–	-3
Panama	–	-16	–	-17	–	–	0	–
Portugal	–	–	–	-3	–	–	0	-3
Puerto Rico	–	-2	–	–	–	–	0	–
Qatar	–	–	–	–	0	–	0	-1
Russia	–	–	–	–	–	–	–	–
Spain	–	0	–	0	0	–	0	-11
Sweden	–	-2	–	–	–	–	0	–
Trinidad and Tobago	–	-1	–	0	–	–	0	0
United Kingdom	–	0	–	4	0	–	0	-5
Vietnam	–	0	–	–	–	–	0	0
Virgin Islands, U.S.	–	-8	–	-14	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-32	0	4	3	-12	1	-102
Total	**–**	**-18**	**16**	**-6**	**14**	**-24**	**0**	**-547**
Persian Gulf[5]	**–**	**27**	**–**	**2**	**0**	**–**	**0**	**-9**

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-May 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products[4]	Total Crude Oil and Products[4]
OPEC	**-1**	**-2**	**0**	**287**	**1,342**
Algeria	–	0	–	46	63
Angola	–	0	–	6	36
Congo (Brazzaville)	–	–	–	–	1
Equatorial Guinea	–	0	–	6	13
Gabon	–	0	–	0	0
Iran	–	–	–	–	–
Iraq	0	0	–	136	367
Kuwait	–	0	0	20	36
Libya	–	0	–	0	67
Nigeria	-1	-4	–	-11	173
Saudi Arabia	–	0	0	85	471
United Arab Emirates	0	3	0	7	17
Venezuela	–	0	–	-9	98
Non-OPEC	**36**	**-59**	**-3**	**-4,090**	**-2,806**
Argentina	-1	-1	0	-39	3
Aruba	–	0	–	-3	-3
Australia	0	0	0	-17	-52
Bahamas	0	0	0	-36	-36
Bahrain	0	2	–	2	2
Belgium	0	-13	0	-83	-83
Brazil	0	-10	0	-160	-80
Brunei	–	0	–	0	0
Cameroon	–	0	–	3	7
Canada	47	1	0	115	3,674
Chad	–	0	–	0	0
China	0	0	0	-503	-1,060
Colombia	0	-3	0	-35	113
Denmark	–	0	–	-11	-74
Dominican Republic	-1	-1	0	-95	-115
Ecuador	0	-2	0	-106	26
Estonia	–	–	–	-1	-1
Finland	–	0	–	2	-33
France	–	-1	–	-13	-179
Germany	0	0	0	8	-80
Guatemala	–	-1	0	-130	-129
Honduras	-1	0	0	-69	-69
India	0	-4	0	-93	-281
Indonesia	0	3	0	-84	-107
Italy	0	0	0	18	-121
Japan	0	0	0	-531	-551
Korea, South	0	11	0	-65	-425
Latvia	–	0	–	-2	-2
Lithuania	–	0	0	4	-25
Malaysia	0	0	0	24	16
Mexico	-4	-37	-1	-965	-258
Netherlands	0	0	0	-93	-622
Norway	–	0	0	-27	-44
Oman	–	0	–	-2	-2
Panama	-1	-1	0	-118	-157
Portugal	–	0	–	10	-7
Puerto Rico	0	-1	0	-10	-10
Qatar	–	12	–	19	22
Russia	–	0	–	0	0
Spain	1	0	–	7	-190
Sweden	–	0	0	-69	-143
Trinidad and Tobago	0	0	0	-3	21
United Kingdom	0	0	0	-48	-315
Vietnam	–	0	0	0	0
Virgin Islands, U.S.	0	-1	–	-49	-59
Yemen	–	0	–	0	0
Other	-4	-12	-2	-842	-1,377
Total	**35**	**-62**	**-3**	**-3,803**	**-1,464**
Persian Gulf[5]	**0**	**17**	**0**	**269**	**915**

– – = 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, May 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	**7,900**	**125,220**	**604,145**	**26,176**	**51,745**	**815,186**
Refinery	6,602	13,104	44,346	2,771	22,102	88,925
Tank Farms and Pipelines (Includes Cushing, OK)	1,298	112,116	205,433	23,405	25,100	367,352
Cushing, Oklahoma	– –	40,356	– –	– –	– –	40,356
Leases	– –	– –	– –	– –	– –	– –
Strategic Petroleum Reserve[1]	–	–	354,366	–	–	354,366
Alaskan In Transit	– –	– –	– –	– –	4,543	4,543
Total Stocks, All Oils (excluding Crude Oil)[2]	**135,190**	**169,527**	**380,777**	**25,560**	**88,123**	**799,177**
Refinery	12,576	49,141	120,401	10,350	46,470	238,938
Bulk Terminal	94,379	82,737	199,376	8,548	36,283	421,323
Pipeline	27,957	35,646	59,534	6,468	5,023	134,628
Natural Gas Processing Plant	278	2,003	1,466	194	347	4,288
Natural Gas Liquids	**8,236**	**45,481**	**141,146**	**6,935**	**3,514**	**205,311**
Refinery	324	3,106	4,909	347	1,385	10,071
Bulk Terminal	5,632	23,589	111,879	1,943	1,782	144,824
Pipeline	2,002	16,783	22,892	4,451	–	46,128
Natural Gas Processing Plant	278	2,003	1,466	194	347	4,288
Ethane	**1,117**	**6,622**	**45,323**	**1,182**	**–**	**54,244**
Refinery	–	–	22	–	–	22
Bulk Terminal	555	2,695	36,235	–	–	39,485
Pipeline	562	3,715	9,044	1,175	–	14,496
Natural Gas Processing Plant	–	212	22	7	–	241
Propane	**5,243**	**17,317**	**44,938**	**2,279**	**1,270**	**71,047**
Refinery	86	831	1,083	42	100	2,142
Bulk Terminal	3,897	12,190	37,098	555	1,030	54,770
Pipeline	1,122	3,408	6,640	1,595	–	12,765
Natural Gas Processing Plant	138	888	117	87	140	1,370
Normal Butane	**1,368**	**10,205**	**28,975**	**2,256**	**1,741**	**44,545**
Refinery	168	1,526	2,433	179	872	5,178
Bulk Terminal	916	6,868	22,907	1,385	749	32,825
Pipeline	233	1,438	2,902	654	–	5,227
Natural Gas Processing Plant	51	373	733	38	120	1,315
Isobutane	**128**	**2,046**	**10,812**	**432**	**465**	**13,883**
Refinery	70	522	1,037	94	410	2,133
Bulk Terminal	–	660	8,181	–	–	8,841
Pipeline	44	672	1,305	320	–	2,341
Natural Gas Processing Plant	14	192	289	18	55	568
Natural Gasoline	**380**	**9,291**	**11,098**	**786**	**38**	**21,592**
Refinery	–	227	334	32	3	596
Bulk Terminal	264	1,176	7,458	3	3	8,903
Pipeline	41	7,550	3,001	707	–	11,299
Natural Gas Processing Plant	75	338	305	44	32	794
Refinery Olefins	**119**	**497**	**955**	**93**	**46**	**1,710**
Refinery	119	497	955	93	46	1,710
Ethylene	**–**	**–**	**0**	**–**	**–**	**0**
Refinery	–	–	0	–	–	0
Propylene	**111**	**432**	**592**	**3**	**9**	**1,147**
Refinery	111	432	592	3	9	1,147
Normal Butylene	**8**	**65**	**363**	**90**	**37**	**563**
Refinery	8	65	363	90	37	563
Isobutylene	**0**	**0**	**0**	**0**	**0**	**0**
Refinery	0	0	0	0	0	0
Other Hydrocarbons	**–**	**13**	**–**	**–**	**–**	**13**
Refinery	–	13	–	–	–	13
Biofuels (Including Fuel Ethanol)[2]	**8,484**	**10,317**	**6,210**	**844**	**5,611**	**31,465**
Refinery	231	128	1,276	111	1,046	2,792
Bulk Terminal	8,253	10,189	4,934	733	4,565	28,673
Pipeline	–	–	–	–	–	–
Fuel Ethanol	**7,035**	**9,038**	**4,221**	**400**	**2,415**	**23,110**
Refinery	222	108	1,164	106	203	1,803
Bulk Terminal	6,813	8,930	3,057	294	2,212	21,307
Pipeline	–	–	–	–	–	–
Biodiesel	**1,413**	**1,165**	**1,023**	**10**	**803**	**4,413**
Refinery	9	20	112	5	8	154
Bulk Terminal	1,404	1,145	911	5	795	4,259
Pipeline	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	**36**	**98**	**851**	**335**	**2,317**	**3,638**
Refinery	–	–	–	–	835	835
Bulk Terminal	36	98	851	335	1,482	2,803
Pipeline	– –	– –	– –	– –	– –	– –
Other Biofuels[3]	**–**	**15**	**114**	**99**	**76**	**304**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	15	114	99	76	304
Pipeline	– –	– –	– –	– –	– –	– –

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	**3,801**	**14,390**	**47,894**	**3,483**	**19,085**	**88,653**
Naphthas and Lighter	**909**	**3,374**	**11,105**	**761**	**3,279**	**19,428**
Refinery	909	3,355	10,293	761	2,980	18,298
Bulk Terminal	– –	– –	– –	– –	– –	– –
Kerosene and Light Gas Oils	**527**	**3,275**	**9,262**	**890**	**3,287**	**17,241**
Refinery	527	3,275	6,718	890	3,254	14,664
Bulk Terminal	–	–	2,544	–	33	2,577
Heavy Gas Oils	**1,792**	**5,312**	**21,324**	**1,425**	**10,277**	**40,130**
Refinery	1,785	4,972	19,293	1,425	9,173	36,648
Bulk Terminal	7	340	2,031	–	1,104	3,482
Residuum	**573**	**2,429**	**6,203**	**407**	**2,242**	**11,854**
Refinery	573	2,429	6,203	407	2,242	11,854
Bulk Terminal	–	–	–	–	–	–
Motor Gasoline Blending Components[2]	**51,913**	**41,528**	**78,479**	**5,852**	**27,324**	**205,095**
Refinery	3,204	12,793	27,325	2,702	12,838	58,862
Bulk Terminal	37,390	20,579	32,180	2,048	11,793	103,989
Pipeline	11,319	8,156	18,974	1,102	2,693	42,244
Reformulated - RBOB	**17,777**	**5,490**	**11,570**	**–**	**13,185**	**48,023**
Refinery	1,017	1,082	1,970	–	4,831	8,900
Bulk Terminal	11,902	3,232	4,128	–	6,719	25,982
Pipeline	4,858	1,176	5,472	–	1,635	13,141
Conventional	**34,136**	**36,037**	**66,909**	**5,852**	**14,138**	**157,072**
Refinery	2,187	11,711	25,355	2,702	8,007	49,962
Bulk Terminal	25,488	17,346	28,052	2,048	5,073	78,007
Pipeline	6,461	6,980	13,502	1,102	1,058	29,103
CBOB	**26,854**	**29,039**	**37,342**	**4,292**	**7,191**	**104,718**
Refinery	443	5,809	11,281	1,145	2,129	20,807
Bulk Terminal	19,951	16,505	13,075	2,045	4,005	55,581
Pipeline	6,460	6,725	12,986	1,102	1,057	28,330
GTAB	**558**	**–**	**253**	**–**	**–**	**811**
Refinery	–	–	–	–	–	–
Bulk Terminal	558	–	253	–	–	811
Pipeline	–	–	–	–	–	–
Other	**6,724**	**6,998**	**29,314**	**1,560**	**6,947**	**51,543**
Refinery	1,744	5,902	14,074	1,557	5,878	29,155
Bulk Terminal	4,979	841	14,724	3	1,068	21,615
Pipeline	1	255	516	–	1	773
Aviation Gasoline Blending Components	**–**	**–**	**38**	**–**	**–**	**38**
Refinery	–	–	38	–	–	38
Bulk Terminal	–	–	–	–	–	–
Finished Motor Gasoline	**3,292**	**3,703**	**7,071**	**909**	**2,043**	**17,018**
Refinery	51	892	2,892	604	824	5,263
Bulk Terminal	1,103	916	3,654	162	1,185	7,020
Pipeline	2,138	1,895	525	143	34	4,735
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	**3,287**	**3,703**	**7,071**	**908**	**2,027**	**16,996**
Refinery	51	892	2,892	604	808	5,247
Bulk Terminal	1,098	916	3,654	161	1,185	7,014
Pipeline	2,138	1,895	525	143	34	4,735
Conventional (Blended with Fuel Ethanol)	**–**	**136**	**–**	**50**	**29**	**215**
Refinery	–	–	–	48	–	48
Bulk Terminal	–	136	–	2	29	167
Pipeline	–	–	–	–	–	–
Ed55 and Lower	**–**	**136**	**–**	**50**	**–**	**186**
Refinery	–	–	–	48	–	48
Bulk Terminal	–	136	–	2	–	138
Pipeline	–	–	–	–	–	–
Greater than Ed55	**–**	**–**	**–**	**–**	**29**	**29**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	29	29
Pipeline	–	–	–	–	–	–
Conventional (Other)	**3,287**	**3,567**	**7,071**	**858**	**1,998**	**16,781**
Refinery	51	892	2,892	556	808	5,199
Bulk Terminal	1,098	780	3,654	159	1,156	6,847
Pipeline	2,138	1,895	525	143	34	4,735

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	**153**	**150**	**495**	**10**	**217**	**1,025**
Refinery	–	35	368	10	98	511
Bulk Terminal	153	115	127	–	119	514
Pipeline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	**12,101**	**7,755**	**13,349**	**813**	**8,476**	**42,494**
Refinery	575	2,159	5,951	296	2,900	11,881
Bulk Terminal	6,564	3,664	3,237	349	4,673	18,487
Pipeline	4,962	1,932	4,161	168	903	12,126
Kerosene	**551**	**179**	**474**	**–**	**7**	**1,211**
Refinery	99	154	62	–	1	316
Bulk Terminal	437	25	399	–	6	867
Pipeline	15	–	13	–	–	28
Distillate Fuel Oil[2]	**28,995**	**26,041**	**42,662**	**3,494**	**11,949**	**113,140**
Refinery	1,677	6,404	15,809	1,466	4,735	30,091
Bulk Terminal	19,797	12,757	13,884	1,424	5,821	53,682
Pipeline	7,521	6,880	12,969	604	1,393	29,367
15 ppm sulfur and Under	**27,301**	**25,067**	**36,250**	**3,291**	**10,855**	**102,763**
Refinery	1,236	5,719	13,162	1,301	3,885	25,303
Bulk Terminal	18,684	12,720	10,723	1,386	5,607	49,119
Pipeline	7,381	6,628	12,365	604	1,363	28,341
Greater than 15 ppm to 500 ppm sulfur	**637**	**346**	**1,414**	**176**	**407**	**2,980**
Refinery	78	172	601	138	390	1,379
Bulk Terminal	559	14	612	38	–	1,223
Pipeline	–	160	201	–	17	378
Greater than 500 ppm sulfur	**1,057**	**628**	**4,998**	**27**	**687**	**7,397**
Refinery	363	513	2,046	27	460	3,409
Bulk Terminal	554	23	2,549	–	214	3,340
Pipeline	140	92	403	–	13	648
Residual Fuel Oil	**7,052**	**949**	**19,728**	**217**	**4,842**	**32,788**
Refinery	334	824	3,504	217	2,200	7,079
Bulk Terminal	6,718	125	16,224	–	2,642	25,709
Pipeline	–	–	–	–	–	–
Less than 0.31% Sulfur	**829**	**125**	**1,618**	**15**	**902**	**3,489**
Refinery	17	117	62	15	22	233
Bulk Terminal	812	8	1,556	–	880	3,256
0.31% to 1.00% Sulfur	**1,080**	**182**	**5,924**	**8**	**824**	**8,018**
Refinery	110	179	934	8	383	1,614
Bulk Terminal	970	3	4,990	–	441	6,404
Greater than 1.00% Percent Sulfur	**5,143**	**642**	**12,186**	**194**	**3,116**	**21,281**
Refinery	207	528	2,508	194	1,795	5,232
Bulk Terminal	4,936	114	9,678	–	1,321	16,049
Petrochemical Feedstocks	**–**	**545**	**1,964**	**–**	**–**	**2,509**
Refinery	–	545	1,964	–	–	2,509
Naphtha for Petrochemical Feedstock Use	–	428	1,467	–	–	1,895
Other Oils for Petrochemical Feedstock Use	–	117	497	–	–	614
Special Naphthas	**49**	**190**	**875**	**–**	**54**	**1,168**
Refinery	27	95	865	–	54	1,041
Bulk Terminal	22	95	10	–	–	127
Lubricants	**1,556**	**851**	**9,072**	**–**	**1,008**	**12,487**
Refinery	962	237	5,277	–	774	7,250
Bulk Terminal	594	614	3,795	–	234	5,237
Waxes	**359**	**68**	**271**	**–**	**–**	**698**
Refinery	359	68	271	–	–	698
Petroleum Coke	**–**	**2,027**	**3,978**	**103**	**879**	**6,987**
Refinery	–	2,027	3,978	103	879	6,987
Asphalt and Road Oil	**8,471**	**14,631**	**5,499**	**2,789**	**3,008**	**34,398**
Refinery	762	5,043	2,013	899	979	9,696
Bulk Terminal	7,709	9,588	3,486	1,890	2,029	24,702
Miscellaneous Products	**58**	**213**	**617**	**19**	**62**	**969**
Refinery	58	90	437	19	62	666
Bulk Terminal	–	123	180	–	–	303
Pipeline	–	–	–	–	–	–
Total Stocks, All Oils	**143,090**	**294,747**	**984,922**	**51,736**	**139,868**	**1,614,363**

– – = 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, May 2023
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components[1]			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	**5**	**1,149**	**1,154**	**12,919**	**27,675**	**40,594**	**536**
Connecticut	–	–	–	1,212	22	1,234	11
Delaware	–	–	–	513	468	981	92
District of Columbia	–	–	–	–	–	–	–
Florida	–	503	503	–	7,343	7,343	0
Georgia	–	107	107	–	2,712	2,712	–
Maine	–	–	–	58	474	532	64
Maryland	–	–	–	943	87	1,030	16
Massachusetts	4	–	4	1,126	–	1,126	–
New Hampshire	–	–	–	–	–	–	–
New Jersey	–	379	379	6,067	6,874	12,941	14
New York	1	–	1	564	1,427	1,991	212
North Carolina	–	36	36	47	2,549	2,596	10
Pennsylvania	–	–	–	462	3,447	3,909	60
Rhode Island	–	–	–	655	–	655	–
South Carolina	–	39	39	–	1,159	1,159	14
Vermont	–	–	–	–	13	13	4
Virginia	–	28	28	1,272	908	2,180	39
West Virginia	–	57	57	–	192	192	–
PAD District 2	**–**	**1,808**	**1,808**	**4,314**	**29,057**	**33,372**	**179**
Illinois	–	70	70	2,511	4,400	6,911	97
Indiana	–	81	81	622	3,723	4,345	1
Iowa	–	25	25	–	1,252	1,252	–
Kansas	–	196	196	–	2,590	2,590	9
Kentucky	–	76	76	399	1,379	1,778	–
Michigan	–	9	9	69	2,508	2,577	–
Minnesota	–	277	277	0	1,833	1,833	–
Missouri	–	113	113	153	653	806	–
Nebraska	–	43	43	–	390	390	–
North Dakota	–	27	27	–	607	607	–
Ohio	–	643	643	–	3,633	3,633	5
Oklahoma	–	115	115	–	2,687	2,687	45
South Dakota	–	16	16	–	282	282	–
Tennessee	–	53	53	–	2,110	2,110	–
Wisconsin	–	64	64	560	1,010	1,570	22
PAD District 3	**–**	**6,546**	**6,546**	**6,098**	**53,407**	**59,505**	**461**
Alabama	–	59	59	6	1,207	1,213	5
Arkansas	–	64	64	–	733	733	–
Louisiana	–	937	937	399	11,801	12,200	1
Mississippi	–	1,560	1,560	14	2,248	2,262	–
New Mexico	–	32	32	21	474	495	–
Texas	–	3,894	3,894	5,658	36,944	42,602	455
PAD District 4	**1**	**765**	**766**	**–**	**4,750**	**4,750**	**–**
Colorado	–	30	30	–	1,110	1,110	–
Idaho	–	10	10	–	456	456	–
Montana	–	284	284	–	1,131	1,131	–
Utah	1	84	85	–	1,326	1,326	–
Wyoming	–	357	357	–	727	727	–
PAD District 5	**16**	**1,993**	**2,009**	**11,550**	**13,080**	**24,631**	**7**
Alaska	–	336	336	–	331	331	6
Arizona	–	85	85	525	270	795	–
California	16	410	426	10,981	6,928	17,910	1
Hawaii	–	340	340	–	512	512	–
Nevada	–	98	98	10	263	273	–
Oregon	–	57	57	–	1,496	1,496	–
Washington	–	667	667	34	3,280	3,314	–
U.S. Total	**22**	**12,261**	**12,283**	**34,882**	**127,969**	**162,851**	**1,183**

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, May 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	**19,920**	**637**	**917**	**21,474**	**7,052**	**4,121**
Connecticut	1,047	–	–	1,047	8	–
Delaware	329	41	109	479	438	9
District of Columbia	–	–	–	–	–	–
Florida	2,243	195	0	2,438	1,036	158
Georgia	1,477	–	–	1,477	200	2
Maine	670	1	–	671	50	–
Maryland	639	–	–	639	251	–
Massachusetts	920	14	–	934	79	–
New Hampshire	243	–	–	243	26	63
New Jersey	4,288	61	348	4,697	4,350	74
New York	1,877	–	79	1,956	210	819
North Carolina	1,019	–	–	1,019	20	298
Pennsylvania	2,402	–	139	2,541	215	2,213
Rhode Island	642	–	–	642	–	–
South Carolina	761	–	–	761	130	343
Vermont	10	–	–	10	–	–
Virginia	1,221	291	242	1,754	39	5
West Virginia	132	34	–	166	–	104
PAD District 2	**18,439**	**186**	**536**	**19,161**	**949**	**13,909**
Illinois	3,260	–	6	3,266	287	601
Indiana	2,512	–	59	2,571	140	264
Iowa	1,542	1	–	1,543	1	400
Kansas	1,463	–	–	1,463	29	8,820
Kentucky	789	–	–	789	–	324
Michigan	1,302	–	–	1,302	113	2,219
Minnesota	1,116	–	376	1,492	158	253
Missouri	552	10	3	565	–	30
Nebraska	576	–	–	576	–	287
North Dakota	410	–	–	410	33	47
Ohio	1,942	3	48	1,993	95	523
Oklahoma	1,044	172	44	1,260	60	78
South Dakota	253	–	–	253	–	18
Tennessee	880	–	–	880	32	3
Wisconsin	797	–	–	797	1	42
PAD District 3	**23,885**	**1,213**	**4,595**	**29,693**	**19,728**	**38,298**
Alabama	753	5	63	821	495	7
Arkansas	584	–	–	584	–	45
Louisiana	4,475	437	989	5,901	8,951	3,488
Mississippi	1,178	228	56	1,462	110	2,012
New Mexico	278	–	–	278	66	3
Texas	16,617	543	3,487	20,647	10,106	32,743
PAD District 4	**2,687**	**176**	**27**	**2,890**	**217**	**684**
Colorado	485	–	–	485	7	20
Idaho	274	–	–	274	–	–
Montana	881	115	–	996	57	18
Utah	518	22	27	567	73	565
Wyoming	529	39	–	568	80	81
PAD District 5	**9,492**	**390**	**674**	**10,556**	**4,842**	**1,270**
Alaska	868	–	38	906	147	1
Arizona	566	–	–	566	–	470
California	4,665	390	261	5,316	2,773	407
Hawaii	245	–	371	616	725	56
Nevada	321	–	4	325	–	–
Oregon	831	–	–	831	169	–
Washington	1,996	–	–	1,996	1,028	336
U.S. Total	**74,422**	**2,602**	**6,749**	**83,773**	**32,788**	**58,282**

– = 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, May 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	**284**	**20**	**0**	**1,012**	**61,976**	**6,430**	**3,472**	**1,444**	**24,606**
Petroleum Products	**17,692**	**42**	**0**	**22,268**	**48,515**	**15,723**	**6,441**	**103,579**	**24,823**
Natural Gas Liquids	7,601	42	0	8,061	36,798	11,219	702	493	10,363
Ethane	5,881	0	–	0	17,821	2,946	–	0	937
Propane	1,080	13	0	6,013	10,571	4,265	523	493	1,295
Normal Butane	268	9	0	1,873	4,310	1,825	115	0	556
Isobutane	364	20	0	175	1,405	632	64	0	730
Natural Gasoline	9	0	–	0	2,691	1,551	–	0	6,845
Refinery Olefins	0	0	–	187	491	–	–	0	0
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	0	0	–	187	491	–	–	0	0
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	43	0	–	0	1,330	–	–	65	285
Motor Gasoline Blending Components	6,670	0	0	1,049	1,490	2,298	0	60,560	6,479
Reformulated - RBOB	0	0	0	0	144	–	0	9,759	4,062
Conventional	6,670	0	0	1,049	1,346	2,298	0	50,801	2,417
CBOB	6,670	0	0	1,049	1,226	2,298	0	50,117	2,191
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	–	0	120	–	–	684	226
Biofuels (including Fuel Ethanol)	5	0	0	8,778	5,773	532	5,524	0	6
Fuel Ethanol	0	0	0	8,724	5,519	522	5,310	0	0
Biodiesel	5	0	0	54	254	9	214	0	6
Renewable Diesel Fuel	–	0	0	–	0	–	0	–	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	106	0	0	989	0	114	0	1,767	2,268
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	106	0	0	989	0	114	0	1,767	2,268
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	106	0	0	989	0	114	0	1,767	2,268
Finished Aviation Gasoline	0	0	–	0	0	–	–	51	35
Kerosene-Type Jet Fuel	401	0	0	902	59	630	0	15,912	1,348
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	2,840	0	0	1,257	985	894	0	23,914	3,639
15 ppm sulfur and under	2,840	0	0	1,257	985	894	0	23,582	3,541
Greater than 15 ppm to 500 ppm sulfur	0	0	–	–	0	–	–	–	98
Greater than 500 ppm sulfur	–	0	–	0	0	–	–	332	–
Residual Fuel Oil	0	0	–	–	560	–	–	–	0
Petrochemical Feedstocks	0	0	–	–	70	–	–	–	56
Naphtha for Petrochemical Feedstock Use	0	0	–	–	48	–	–	–	56
Other Oils for Petrochemical Feedstock Use	0	0	–	–	22	–	–	–	0
Special Naphthas	0	0	–	–	0	–	–	–	10
Lubricants	0	0	0	0	10	–	0	416	164
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	0	0	230	482	16	6	13	16
Asphalt and Road Oil	26	0	0	815	466	21	209	388	147
Miscellaneous Products	0	0	–	–	0	–	–	–	7
Total	**17,976**	**62**	**0**	**23,280**	**110,491**	**22,153**	**9,913**	**105,023**	**49,429**

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, May 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**	**27,856**	**1,350**	**0**	**0**	**0**	**0**
Petroleum Products	**0**	**4,242**	**0**	**22,979**	**4,183**	**1,870**	**0**	**19**	**76**
Natural Gas Liquids	0	49	0	22,185	3,903	97	0	0	0
Ethane	0	–	0	6,800	1,364	–	0	0	0
Propane	0	0	0	7,962	1,235	93	0	0	0
Normal Butane	0	1	0	3,312	480	2	0	0	0
Isobutane	0	48	0	1,287	293	2	0	0	0
Natural Gasoline	0	–	0	2,824	531	–	0	0	0
Refinery Olefins	–	–	0	0	0	–	0	0	–
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	–	–	0	0	0	–	0	0	–
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	–	–	0	0	0	–	0	0	–
Motor Gasoline Blending Components	0	2,928	0	201	0	1,145	0	0	0
Reformulated - RBOB	–	1,432	0	0	0	0	0	0	–
Conventional	0	1,496	0	201	0	1,145	0	0	0
CBOB	0	1,496	0	201	0	1,145	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	–	–	0	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	0	405	0	0	0	39	0	0	25
Fuel Ethanol	0	0	0	0	0	39	0	0	0
Biodiesel	0	39	0	0	0	0	0	0	25
Renewable Diesel Fuel	–	366	–	–	0	0	–	0	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	0	0	0	45	0	102	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	0	0	0	45	0	102	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	0	0	0	45	0	102	0	0	0
Finished Aviation Gasoline	–	–	0	0	0	–	0	0	–
Kerosene-Type Jet Fuel	0	92	0	0	0	1	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	0	663	0	191	0	243	0	0	0
15 ppm sulfur and under	0	663	0	191	0	243	0	0	0
Greater than 15 ppm to 500 ppm sulfur	–	–	–	0	0	–	–	0	–
Greater than 500 ppm sulfur	–	–	0	–	0	–	0	0	–
Residual Fuel Oil	–	–	–	0	0	–	–	0	–
Petrochemical Feedstocks	–	–	–	0	0	–	–	0	–
Naphtha for Petrochemical Feedstock Use	–	–	–	0	0	–	–	0	–
Other Oils for Petrochemical Feedstock Use	–	–	–	0	0	–	–	0	–
Special Naphthas	–	–	–	0	0	–	–	0	–
Lubricants	–	8	0	0	0	0	0	0	–
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	0	0	248	108	154	0	19	0
Asphalt and Road Oil	0	97	0	109	172	89	0	0	52
Miscellaneous Products	–	–	–	0	0	–	–	0	–
Total	**0**	**4,242**	**0**	**50,835**	**5,532**	**1,870**	**0**	**19**	**76**

– = 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, May 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	**131**	**20**	**200**	**61,715**	**6,430**	**118**	**24,606**	**0**	**–**
Petroleum Products	**17,333**	**0**	**10,493**	**38,339**	**15,155**	**79,706**	**22,877**	**0**	**3,683**
Natural Gas Liquids	7,316	0	7,362	36,046	11,219	341	10,232	0	–
Ethane	5,881	0	0	17,821	2,946	0	937	0	–
Propane	997	0	5,603	10,222	4,265	341	1,263	0	–
Normal Butane	127	0	1,759	3,996	1,825	0	556	0	–
Isobutane	302	0	0	1,316	632	0	631	0	–
Natural Gasoline	9	0	0	2,691	1,551	0	6,845	0	–
Motor Gasoline Blending Components	6,670	0	533	1,288	2,298	46,035	6,301	0	2,928
Reformulated - RBOB	0	0	0	144	–	9,759	4,062	–	1,432
Conventional	6,670	0	533	1,144	2,298	36,276	2,239	0	1,496
CBOB	6,670	0	533	1,144	2,298	35,670	2,191	0	1,496
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	0	0	–	606	48	–	–
Biofuels (including Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Fuel Ethanol	–	–	–	–	–	–	–	–	–
Biodiesel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Other Biofuels[1]	– –	– –	– –	– –	– –	– –	– –	– –	– –
Finished Motor Gasoline	106	0	892	0	114	628	2,095	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	106	0	892	0	114	628	2,095	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	106	0	892	0	114	628	2,095	0	0
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	401	0	829	59	630	13,074	1,098	0	92
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	2,840	0	877	946	894	19,628	3,151	0	663
15 ppm sulfur and under	2,840	0	877	946	894	19,417	3,053	0	663
Greater than 15 ppm to 500 ppm sulfur	0	0	–	0	–	–	98	–	–
Greater than 500 ppm sulfur	– –	– –	– –	– –	– –	– –	– –	– –	– –
Residual Fuel Oil	–	–	–	–	–	–	–	–	–
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total	**17,464**	**20**	**10,693**	**100,054**	**21,585**	**79,824**	**47,483**	**0**	**3,683**

See footnotes at end of table.

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

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	**0**	**27,856**	**307**	**–**	**0**	**0**
Petroleum Products	**0**	**22,622**	**3,903**	**1,491**	**0**	**0**
Natural Gas Liquids	0	22,185	3,903	–	0	0
Ethane	0	6,800	1,364	–	0	0
Propane	0	7,962	1,235	–	0	0
Normal Butane	0	3,312	480	–	0	0
Isobutane	0	1,287	293	–	0	0
Natural Gasoline	0	2,824	531	–	0	0
Motor Gasoline Blending Components	0	201	0	1,145	0	0
Reformulated - RBOB	0	0	0	0	0	–
Conventional	0	201	0	1,145	0	0
CBOB	0	201	0	1,145	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	45	0	102	0	0
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	45	0	102	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	45	0	102	0	0
Finished Aviation Gasoline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	0	0	1	0	0
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	0	191	0	243	0	0
15 ppm sulfur and under	0	191	0	243	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**	**50,478**	**4,210**	**1,491**	**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, May 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	**153**	**0**	**–**	**233**	**261**	**–**
Petroleum Products	**43**	**0**	**0**	**1,438**	**2,799**	**0**
Natural Gas Liquids	–	0	–	0	0	–
Ethane	–	–	–	–	–	–
Propane	–	0	–	0	0	–
Normal Butane	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–
Unfinished Oils	43	0	–	0	1,330	–
Motor Gasoline Blending Components	0	0	–	516	202	–
Reformulated - RBOB	–	–	–	–	–	–
Conventional	0	0	–	516	202	–
CBOB	0	0	–	516	82	–
GTAB	–	–	–	–	–	–
Other	0	0	–	0	120	–
Biofuels (including Fuel Ethanol)	0	0	0	372	470	0
Fuel Ethanol	0	0	–	372	430	–
Biodiesel	0	0	–	–	40	–
Renewable Diesel Fuel	–	0	0	–	0	0
Other Biofuels[1]	–	–	–	–	–	–
Finished Motor Gasoline	0	0	–	97	0	–
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	0	–	97	0	–
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	0	–	97	0	–
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	0	0	–	73	0	–
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	0	0	–	380	39	–
15 ppm sulfur and under	0	0	–	380	39	–
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–
Greater than 500 ppm sulfur	–	0	–	0	0	–
Residual Fuel Oil	0	0	–	–	560	–
Less than 0.31 percent sulfur	0	0	–	–	48	–
0.31 to 1.00 percent sulfur	0	0	–	–	233	–
Greater than 1.00 percent sulfur	0	0	–	–	279	–
Petrochemical Feedstocks	0	0	–	–	70	–
Naphtha for Petrochemical Feedstock Use	0	0	–	–	48	–
Other Oils for Petrochemical Feedstock Use	0	0	–	–	22	–
Special Naphthas	0	0	–	–	0	–
Lubricants	0	0	0	0	10	0
Waxes	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–
Asphalt and Road Oil	0	0	–	0	118	–
Miscellaneous Products	0	0	–	–	0	–
Total	**196**	**0**	**0**	**1,671**	**3,060**	**0**

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, May 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	**1,326**	**–**	**1,326**	**–**	**0**	**–**	**0**	**0**	**0**
Petroleum Products	**23,634**	**–**	**397**	**23,237**	**1,753**	**374**	**0**	**0**	**0**
Natural Gas Liquids	52	–	–	52	–	–	0	–	0
Ethane	–	–	–	–	–	–	–	–	–
Propane	52	–	–	52	–	–	0	–	0
Normal Butane	–	–	–	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–	–	–	–
Unfinished Oils	65	–	65	–	285	–	0	0	0
Motor Gasoline Blending Components	14,525	–	78	14,447	178	–	0	0	0
Reformulated - RBOB	–	–	–	–	–	–	–	–	–
Conventional	14,525	–	78	14,447	178	–	0	0	0
CBOB	14,447	–	–	14,447	0	–	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	78	–	78	–	178	–	0	0	0
Biofuels (including Fuel Ethanol)	0	–	–	–	0	366	0	0	0
Fuel Ethanol	0	–	–	–	0	–	0	0	0
Biodiesel	–	–	–	–	0	–	–	0	0
Renewable Diesel Fuel	–	–	–	–	–	366	–	–	0
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	1,139	–	–	1,139	173	–	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	1,139	–	–	1,139	173	–	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	1,139	–	–	1,139	173	–	0	0	0
Finished Aviation Gasoline	51	–	–	51	35	–	0	0	0
Kerosene-Type Jet Fuel	2,838	–	–	2,838	250	–	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	4,286	–	–	4,286	488	–	0	0	0
15 ppm sulfur and under	4,165	–	–	4,165	488	–	0	0	0
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	–
Greater than 500 ppm sulfur	121	–	–	121	–	–	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	–	–	–	–	56	–	–	0	0
Naphtha for Petrochemical Feedstock Use	–	–	–	–	56	–	–	0	0
Other Oils for Petrochemical Feedstock Use	–	–	–	–	0	–	–	0	0
Special Naphthas	–	–	–	–	10	–	–	0	0
Lubricants	416	–	254	162	164	8	0	0	0
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	262	–	–	262	107	–	0	0	0
Miscellaneous Products	–	–	–	–	7	–	–	0	0
Total	**24,960**	**–**	**1,723**	**23,237**	**1,753**	**374**	**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, May 2023
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	579	0	0	3,472
Propane	83	13	0	0	410	349	0	523
Propylene	0	0	–	–	187	491	–	–
Normal Butane	141	9	0	0	114	314	0	115
Isobutane	62	20	0	0	175	89	0	64
Fuel Ethanol	0	0	0	0	8,352	5,089	522	5,310
Biodiesel	5	0	0	0	54	214	9	214
Marketable Petroleum Coke	0	0	0	0	230	482	16	6
Asphalt and Road Oil	26	0	0	0	815	348	21	209

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	1,043	0
Propane	100	32	0	0	0	0	0	93
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	0	0	1	0	0	0	2
Isobutane	0	99	0	48	0	0	0	2
Fuel Ethanol	0	0	0	0	0	0	0	39
Biodiesel	0	6	0	39	0	0	0	0
Marketable Petroleum Coke	13	16	0	0	0	248	108	154
Asphalt and Road Oil	126	40	0	97	0	109	172	89

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	–
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	25
Marketable Petroleum Coke	0	10	19	0
Asphalt and Road Oil	0	0	0	52

– = 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, May 2023
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	131	153	0	284
3	20	0	0	20
4	0	–	0	0
5	–	–	0	0
From 2 to				
1	200	233	579	1,012
3	61,715	261	0	61,976
4	6,430	–	0	6,430
5	–	–	3,472	3,472
From 3 to				
1	118	1,326	0	1,444
2	24,606	0	0	24,606
4	0	–	0	0
5	–	–	0	0
From 4 to				
1	0	0	0	0
2	27,856	0	0	27,856
3	307	0	1,043	1,350
5	–	–	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	–	0	0

– = No Data Reported.
Data source: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail [1] Between PAD Districts, May 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	**2,456**	**304**	**2,152**	**52,746**	**72,890**	**-20,144**	**63,346**	**26,050**	**37,296**
Petroleum Products	**125,847**	**17,734**	**108,113**	**65,503**	**92,948**	**-27,445**	**52,760**	**132,643**	**-79,884**
Natural Gas Liquids	8,554	7,643	910	40,149	56,781	-16,631	40,744	10,905	29,839
Ethane	0	5,881	-5,881	13,618	20,767	-7,149	19,185	937	18,248
Propane	6,505	1,093	5,413	10,337	21,372	-11,035	11,819	1,788	10,032
Normal Butane	1,873	277	1,597	4,136	8,123	-3,987	4,799	557	4,242
Isobutane	175	384	-209	2,380	2,276	104	1,718	778	940
Natural Gasoline	0	9	-9	9,678	4,242	5,436	3,222	6,845	-3,623
Refinery Olefins	187	0	187	0	679	-679	491	0	491
Ethylene	0	0	–	–	–	–	0	0	–
Propylene	187	0	187	0	679	-679	491	0	491
Normal Butylene	0	0	–	0	0	–	0	0	–
Isobutylene	0	0	–	0	0	–	0	0	–
Unfinished Oils	65	43	22	328	1,330	-1,002	1,330	350	980
Motor Gasoline Blending Components	61,609	6,670	54,939	13,350	4,837	8,513	1,490	69,967	-68,477
Reformulated - RBOB	9,759	0	9,759	4,062	144	3,918	144	15,253	-15,109
Conventional	51,850	6,670	45,180	9,288	4,693	4,595	1,346	54,714	-53,368
CBOB	51,166	6,670	44,496	9,062	4,573	4,489	1,226	53,804	-52,578
GTAB	0	0	–	–	–	–	0	0	–
Other	684	0	684	226	120	106	120	910	-790
Biofuels (including Fuel Ethanol)	8,778	5	8,772	11	20,606	-20,596	5,773	411	5,363
Fuel Ethanol	8,724	0	8,724	0	20,075	-20,075	5,519	0	5,519
Biodiesel	54	5	49	11	532	-521	254	45	210
Renewable Diesel Fuel	0	0	–	0	0	–	0	366	-366
Other Biofuels[2]	–	–	–	0	0	–	0	0	–
Finished Motor Gasoline	2,756	106	2,650	2,419	1,103	1,316	0	4,035	-4,035
Reformulated	0	0	–	0	0	–	0	0	–
Reformulated Blended with Fuel Ethanol	0	0	–	0	0	–	0	0	–
Reformulated Other	0	0	–	0	0	–	0	0	–
Conventional	2,756	106	2,650	2,419	1,103	1,316	0	4,035	-4,035
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	2,756	106	2,650	2,419	1,103	1,316	0	4,035	-4,035
Finished Aviation Gasoline	51	0	51	35	0	35	0	86	-86
Kerosene-Type Jet Fuel	16,814	401	16,413	1,749	1,591	158	59	17,352	-17,293
Kerosene	0	0	–	0	0	–	0	0	–
Distillate Fuel Oil	25,171	2,840	22,331	6,670	3,136	3,534	985	28,216	-27,231
15 ppm sulfur and under	24,839	2,840	21,999	6,572	3,136	3,436	985	27,786	-26,801
Greater than 15 ppm to 500 ppm sulfur	0	0	–	98	0	98	0	98	-98
Greater than 500 ppm sulfur	332	0	332	0	0	–	0	332	-332
Residual Fuel Oil	0	0	–	0	560	-560	560	0	560
Petrochemical Feedstocks	0	0	–	56	70	-14	70	56	14
Naphtha for Petrochemical Feedstock Use	0	0	–	56	48	8	48	56	-8
Other Oils for Petrochemical Feedstock Use	0	0	–	0	22	-22	22	0	22
Special Naphthas	0	0	–	10	0	10	0	10	-10
Lubricants	416	0	416	164	10	154	10	588	-578
Waxes	0	0	–	0	0	–	0	0	–
Marketable Petroleum Coke	243	0	243	273	734	-461	609	29	580
Asphalt and Road Oil	1,204	26	1,178	282	1,511	-1,230	639	632	7
Miscellaneous Products	0	0	–	7	0	7	0	7	-7
Total	**128,303**	**18,038**	**110,265**	**118,249**	**165,838**	**-47,589**	**116,105**	**158,693**	**-42,588**

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, May 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	**6,430**	**29,206**	**-22,776**	**3,472**	**0**	**3,472**
Petroleum Products	**15,800**	**29,031**	**-13,232**	**12,553**	**105**	**12,448**
Natural Gas Liquids	11,219	26,185	-14,966	848	0	848
Ethane	2,946	8,164	-5,218	0	0	–
Propane	4,265	9,290	-5,025	616	0	616
Normal Butane	1,825	3,794	-1,969	117	0	117
Isobutane	632	1,582	-950	115	0	115
Natural Gasoline	1,551	3,355	-1,804	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	2,298	1,346	952	4,073	0	4,073
Reformulated - RBOB	–	–	–	1,432	0	1,432
Conventional	2,298	1,346	952	2,641	0	2,641
CBOB	2,298	1,346	952	2,641	0	2,641
GTAB	–	–	–	–	–	–
Other	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	556	39	517	5,968	25	5,944
Fuel Ethanol	522	39	483	5,349	0	5,349
Biodiesel	34	0	34	253	25	229
Renewable Diesel Fuel	0	0	–	366	0	366
Other Biofuels[2]	0	0	–	0	0	–
Finished Motor Gasoline	114	147	-33	102	0	102
Reformulated	0	0	–	0	0	–
Reformulated Blended with Fuel Ethanol	0	0	–	0	0	–
Reformulated Other	–	–	–	–	–	–
Conventional	114	147	-33	102	0	102
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	114	147	-33	102	0	102
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	630	1	629	93	0	93
Kerosene	0	0	–	0	0	–
Distillate Fuel Oil	894	434	460	906	0	906
15 ppm sulfur and under	894	434	460	906	0	906
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	–	8	0	8
Waxes	0	0	–	0	0	–
Marketable Petroleum Coke	16	509	-493	160	29	131
Asphalt and Road Oil	72	370	-298	395	52	343
Miscellaneous Products	0	0	–	0	0	–
Total	**22,230**	**58,237**	**-36,007**	**16,025**	**105**	**15,920**

– = 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.

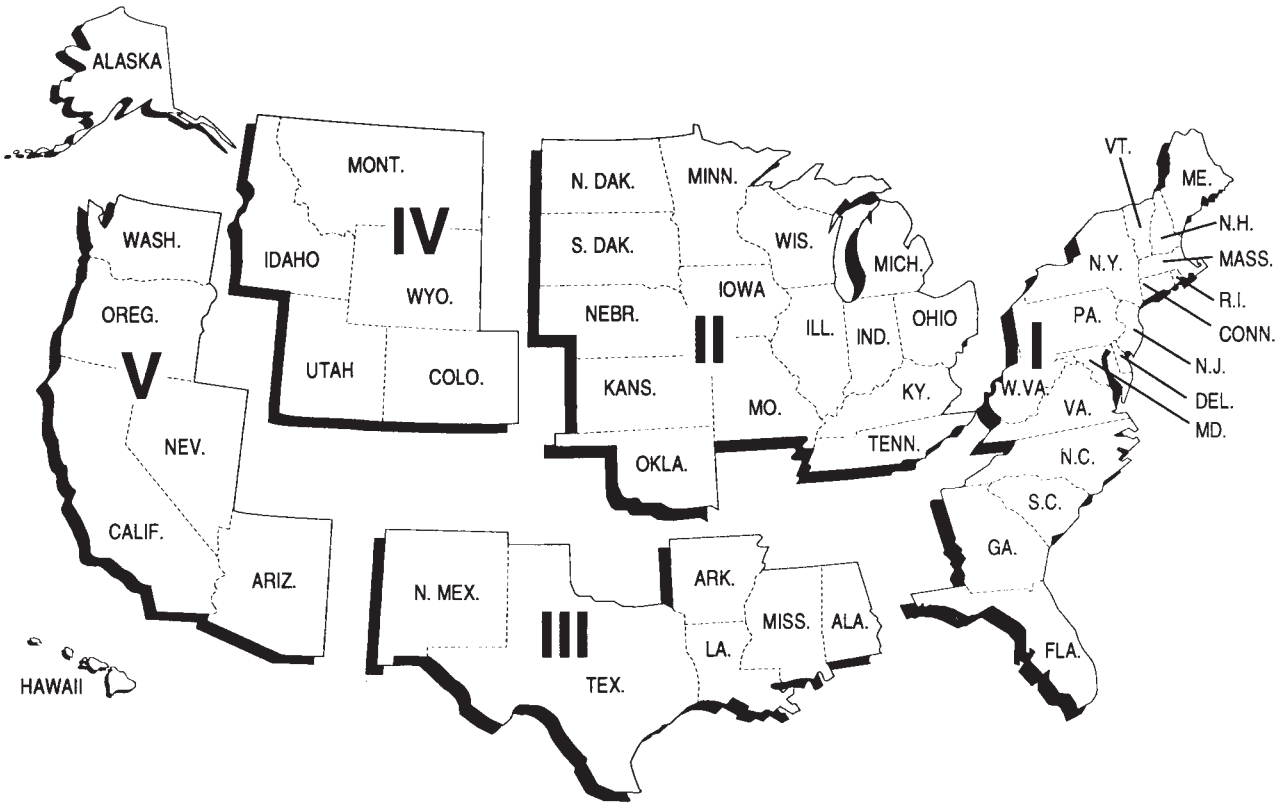
PAD District IV

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

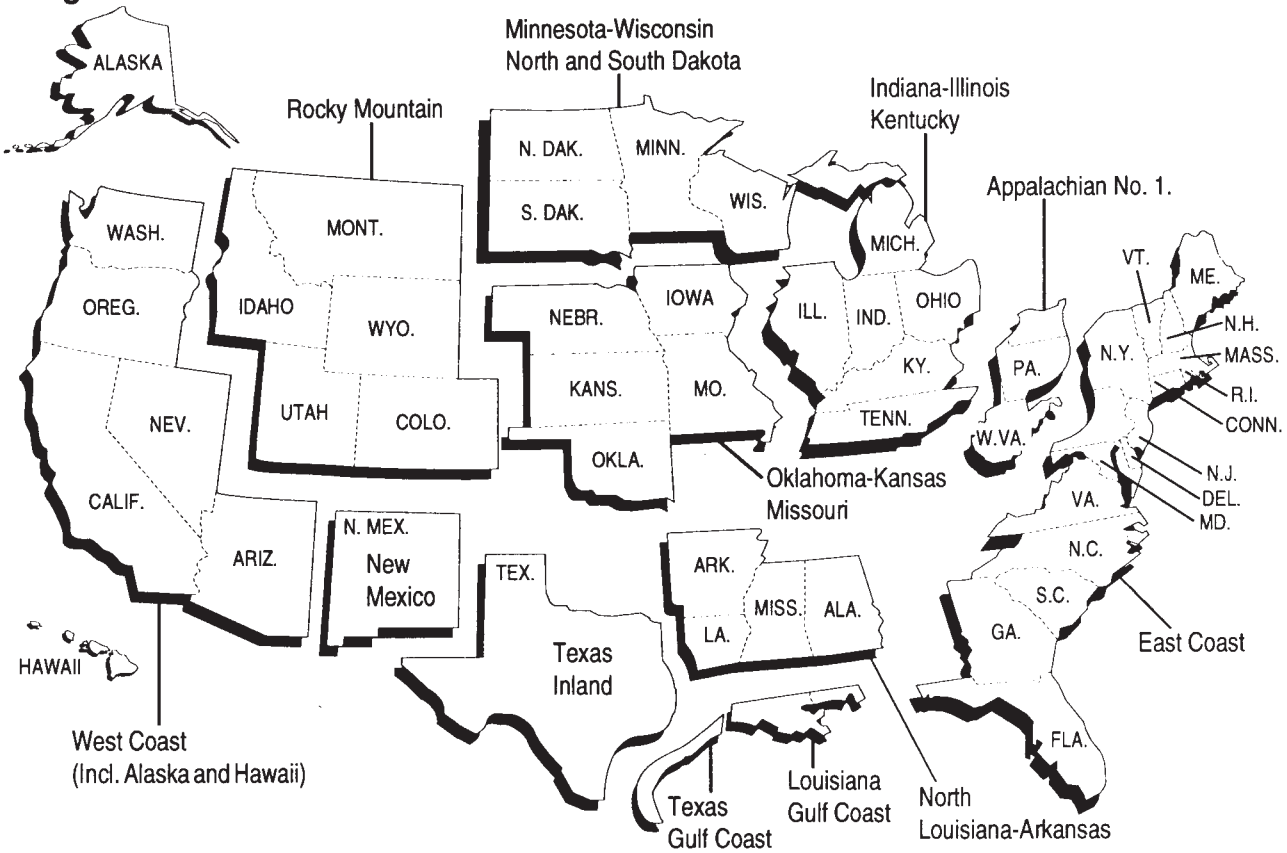
PAD District V

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.

Overview

A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve 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	300	300	200	201	900	99	
Apr-23	300	300	200	201	900	99	
May-23	300	300	200	201	900	99	
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	83	9	34	126
Apr-23	79	9	34	122
May-23	79	9	34	122
Jun-23				
Jul-23				
Aug-23				
Sep-23				
Oct-23				
Nov-23				
Dec-23				

Source: New York State Energy Research & Development Authority