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U.S. Energy Information Administration

Petroleum Supply Monthly

June 2023

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Preface

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

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

Scope of data

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

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
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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, April 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]	**378,441**	**– –**	**– –**	**185,821**	**16,595**	**-13,007**	**473,599**	**120,265**	**0**	**823,605**
Hydrocarbon Gas Liquids	**191,204**	**-671**	**24,165**	**4,110**	**– –**	**13,652**	**16,521**	**78,569**	**110,066**	**187,949**
Natural Gas Liquids	191,204	-671	16,121	3,594	– –	13,754	16,521	78,569	101,404	186,285
Ethane	81,073	– –	156	–	– –	2,425	– –	14,709	64,095	56,724
Propane	58,700	– –	8,580	2,384	– –	4,922	– –	43,953	20,789	60,734
Normal Butane	17,464	–	7,875	910	– –	6,680	3,286	15,445	838	34,194
Isobutane	13,379	–	-490	297	– –	666	6,771	109	5,640	12,718
Natural Gasoline	20,588	-671	– –	3	– –	-939	6,464	4,353	10,041	21,915
Refinery Olefins	– –	– –	8,044	516	– –	-102	– –	– –	8,662	1,664
Ethylene	– –	– –	4	–	– –	0	– –	– –	4	0
Propylene	– –	– –	7,828	413	– –	128	– –	– –	8,113	1,279
Normal Butylene	– –	– –	212	103	– –	-230	– –	– –	545	385
Isobutylene	– –	– –	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**37,632**	**– –**	**42,966**	**8,514**	**-616**	**64,833**	**15,619**	**9,276**	**332,867**
Hydrogen/Biofuels/Other Hydrocarbons	– –	37,632	– –	1,420	6,111	-967	35,037	4,044	7,049	33,321
Hydrogen	– –	– –	– –	–	6,199	– –	6,199	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	37,632	– –	1,420	-92	-971	28,838	4,044	7,049	33,297
Fuel Ethanol[5]	– –	29,236	– –	–	-92	-865	27,010	3,000	0	24,085
Biofuels (excluding Fuel Ethanol)	– –	8,396	– –	1,420	– –	-105	1,828	1,044	7,049	9,212
Biodiesel	– –	3,164	– –	1,000	– –	-209	1,462	1,044	1,866	4,847
Renewable Diesel Fuel	– –	4,789	– –	420	– –	115	281	NA	4,812	4,034
Other Biofuels[6]	– –	444	– –	–	– –	-12	85	NA	371	331
Other Hydrocarbons	– –	– –	– –	–	4	4	–	–	0	24
Unfinished Oils	– –	– –	– –	19,402	– –	3,069	3,797	10,301	2,235	91,620
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	22,144	2,403	-2,734	26,006	1,275	0	207,892
Reformulated	– –	0	– –	4,386	5,575	-2,163	12,061	63	0	46,805
Conventional	– –	0	– –	17,758	-3,172	-571	13,945	1,212	0	161,087
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	15	-7	–	-8	34
Finished Petroleum Products	**– –**	**175**	**561,160**	**21,198**	**-2,311**	**7,190**	**– –**	**78,993**	**494,039**	**264,763**
Finished Motor Gasoline	– –	171	290,419	4,524	-2,311	992	– –	21,931	269,880	15,699
Reformulated	– –	–	90,187	–	-4,062	5	– –	–	86,120	26
Conventional	– –	171	200,232	4,524	1,751	987	– –	21,931	183,760	15,673
Finished Aviation Gasoline	– –	– –	258	6	– –	-19	– –	–	283	1,144
Kerosene-Type Jet Fuel	– –	7	51,048	4,147	– –	3,421	– –	3,338	48,443	41,170
Kerosene	– –	–	98	–	– –	-226	– –	24	300	1,071
Distillate Fuel Oil[5]	– –	-3	142,702	4,670	– –	-231	– –	30,597	117,003	112,061
15 ppm sulfur and under	– –	-3	135,940	4,661	– –	-1,061	– –	26,642	115,017	101,888
Greater than 15 ppm to 500 ppm sulfur	– –	0	3,905	6	– –	-394	– –	2,449	1,856	2,202
Greater than 500 ppm sulfur	– –	–	2,857	3	– –	1,224	– –	1,506	130	7,971
Residual Fuel Oil	– –	– –	8,619	2,753	– –	2,510	– –	3,594	5,268	32,073
Less than 0.31 percent sulfur	– –	– –	1,353	313	– –	437	– –	NA	NA	3,370
0.31 to 1.00 percent sulfur	– –	– –	2,533	707	– –	1,149	– –	NA	NA	8,101
Greater than 1.00 percent sulfur	– –	– –	4,733	1,733	– –	924	– –	NA	NA	20,602
Petrochemical Feedstocks	– –	– –	7,527	772	– –	-231	– –	862	7,668	2,677
Naphtha for Petro. Feed. Use	– –	– –	3,908	591	– –	-177	– –	–	4,676	2,045
Other Oils for Petro. Feed. Use	– –	– –	3,619	181	– –	-54	– –	862	2,992	632
Special Naphthas	– –	– –	845	667	– –	74	– –	–	1,438	1,053
Lubricants	– –	– –	4,647	1,625	– –	586	– –	3,168	2,518	13,041
Waxes	– –	– –	147	106	– –	27	– –	112	114	645
Petroleum Coke	– –	– –	23,732	151	– –	-112	– –	14,676	9,319	7,818
Marketable	– –	– –	18,145	151	– –	-112	– –	14,676	3,732	7,818
Catalyst	– –	– –	5,587	– –	– –	– –	– –	– –	5,587	– –
Asphalt and Road Oil	– –	– –	9,069	1,777	– –	392	– –	613	9,841	35,494
Still Gas	– –	– –	19,547	– –	– –	– –	– –	– –	19,547	– –
Miscellaneous Products	– –	– –	2,502	–	– –	6	– –	77	2,419	817
Total	**569,645**	**37,136**	**585,325**	**254,095**	**22,798**	**7,219**	**554,953**	**293,446**	**613,381**	**1,609,185**

– – = 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-April 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]	**1,513,205**	**– –**	**– –**	**760,269**	**79,391**	**22,014**	**1,840,688**	**490,163**	**0**	**823,605**
Hydrocarbon Gas Liquids	**732,028**	**-2,758**	**66,158**	**23,907**	**– –**	**-23,135**	**81,042**	**320,220**	**441,209**	**187,949**
Natural Gas Liquids	732,028	-2,758	37,373	21,687	– –	-22,926	81,042	320,220	409,995	186,285
Ethane	305,139	– –	654	–	– –	3,178	– –	59,550	243,065	56,724
Propane	228,774	– –	32,995	16,626	– –	-15,820	– –	185,135	109,080	60,734
Normal Butane	65,640	–	5,182	4,058	– –	-7,556	27,764	57,310	-2,638	34,194
Isobutane	54,000	–	-1,458	989	– –	510	27,349	474	25,198	12,718
Natural Gasoline	78,475	-2,758	– –	14	– –	-3,238	25,929	17,751	35,289	21,915
Refinery Olefins	– –	– –	28,785	2,220	– –	-209	– –	– –	31,214	1,664
Ethylene	– –	– –	19	–	– –	0	– –	– –	19	0
Propylene	– –	– –	29,052	1,757	– –	-59	– –	– –	30,868	1,279
Normal Butylene	– –	– –	-310	463	– –	-134	– –	– –	287	385
Isobutylene	– –	– –	24	–	– –	-16	– –	– –	40	0
Other Liquids	**– –**	**151,189**	**– –**	**142,075**	**17,228**	**8,069**	**215,023**	**53,586**	**33,814**	**332,867**
Hydrogen/Biofuels/Other Hydrocarbons	– –	151,194	– –	6,198	20,685	1,598	136,752	12,980	26,747	33,321
Hydrogen	– –	– –	– –	–	24,187	– –	24,187	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	151,194	– –	6,183	-3,529	1,584	112,537	12,980	26,747	33,297
Fuel Ethanol[5]	– –	119,268	– –	–	-3,529	-341	104,628	11,452	0	24,085
Biofuels (excluding Fuel Ethanol)	– –	31,926	– –	6,183	– –	1,925	7,909	1,528	26,747	9,212
Biodiesel	– –	12,571	– –	3,798	– –	1,247	5,471	1,528	8,123	4,847
Renewable Diesel Fuel	– –	17,274	– –	2,385	– –	629	1,561	NA	17,470	4,034
Other Biofuels[6]	– –	2,080	– –	–	– –	49	877	NA	1,154	331
Other Hydrocarbons	– –	– –	– –	15	27	14	28	–	0	24
Unfinished Oils	– –	– –	– –	67,581	– –	5,475	21,331	33,669	7,106	91,620
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	-5	– –	68,296	-3,457	995	56,902	6,937	0	207,892
Reformulated	– –	-1	– –	17,582	42,751	1,294	58,863	175	0	46,805
Conventional	– –	-4	– –	50,714	-46,208	-299	-1,961	6,762	0	161,087
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	1	38	–	-39	34
Finished Petroleum Products	**– –**	**738**	**2,187,980**	**92,611**	**6,986**	**8,572**	**– –**	**341,828**	**1,937,914**	**264,763**
Finished Motor Gasoline	– –	731	1,125,558	12,902	6,986	-1,713	– –	98,027	1,049,863	15,699
Reformulated	– –	–	350,236	–	-36,554	6	– –	–	313,676	26
Conventional	– –	731	775,322	12,902	43,540	-1,719	– –	98,027	736,187	15,673
Finished Aviation Gasoline	– –	– –	943	38	– –	-162	– –	–	1,143	1,144
Kerosene-Type Jet Fuel	– –	17	197,256	17,475	– –	6,131	– –	21,009	187,608	41,170
Kerosene	– –	–	1,135	504	– –	-1,057	– –	592	2,104	1,071
Distillate Fuel Oil[5]	– –	-10	565,234	26,376	– –	-6,748	– –	120,685	477,664	112,061
15 ppm sulfur and under	– –	-9	538,943	26,175	– –	-6,765	– –	101,829	470,045	101,888
Greater than 15 ppm to 500 ppm sulfur	– –	0	13,101	20	– –	-297	– –	11,252	2,166	2,202
Greater than 500 ppm sulfur	– –	–	13,190	181	– –	314	– –	7,604	5,453	7,971
Residual Fuel Oil	– –	– –	33,013	16,934	– –	1,334	– –	16,811	31,802	32,073
Less than 0.31 percent sulfur	– –	– –	5,362	1,627	– –	590	– –	NA	NA	3,370
0.31 to 1.00 percent sulfur	– –	– –	10,734	4,605	– –	1,930	– –	NA	NA	8,101
Greater than 1.00 percent sulfur	– –	– –	16,917	10,702	– –	-1,186	– –	NA	NA	20,602
Petrochemical Feedstocks	– –	– –	27,005	2,206	– –	289	– –	3,901	25,021	2,677
Naphtha for Petro. Feed. Use	– –	– –	15,510	1,442	– –	262	– –	–	16,690	2,045
Other Oils for Petro. Feed. Use	– –	– –	11,495	764	– –	27	– –	3,901	8,331	632
Special Naphthas	– –	– –	3,491	1,985	– –	76	– –	–	5,400	1,053
Lubricants	– –	– –	17,460	5,632	– –	-306	– –	12,339	11,059	13,041
Waxes	– –	– –	549	470	– –	44	– –	502	473	645
Petroleum Coke	– –	– –	93,734	1,184	– –	944	– –	65,200	28,774	7,818
Marketable	– –	– –	71,759	1,184	– –	944	– –	65,200	6,799	7,818
Catalyst	– –	– –	21,975	– –	– –	– –	– –	– –	21,975	– –
Asphalt and Road Oil	– –	– –	37,052	6,905	– –	9,818	– –	2,433	31,706	35,494
Still Gas	– –	– –	75,385	– –	– –	– –	– –	– –	75,385	– –
Miscellaneous Products	– –	– –	10,165	–	– –	-78	– –	330	9,913	817
Total	**2,245,233**	**149,168**	**2,254,138**	**1,018,862**	**103,605**	**15,520**	**2,136,753**	**1,205,797**	**2,412,937**	**1,609,185**

– – = 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, April 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]	**12,615**	**– –**	**– –**	**6,194**	**553**	**-434**	**15,787**	**4,009**	**0**
Hydrocarbon Gas Liquids	**6,373**	**-22**	**806**	**137**	**– –**	**455**	**551**	**2,619**	**3,669**
Natural Gas Liquids	6,373	-22	537	120	– –	458	551	2,619	3,380
Ethane	2,702	– –	5	–	– –	81	– –	490	2,136
Propane	1,957	– –	286	79	– –	164	– –	1,465	693
Normal Butane	582	–	263	30	– –	223	110	515	28
Isobutane	446	–	-16	10	– –	22	226	4	188
Natural Gasoline	686	-22	– –	0	– –	-31	215	145	335
Refinery Olefins	– –	– –	268	17	– –	-3	– –	– –	289
Ethylene	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	261	14	– –	4	– –	– –	270
Normal Butylene	– –	– –	7	3	– –	-8	– –	– –	18
Isobutylene	– –	– –	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,254**	**– –**	**1,432**	**284**	**-21**	**2,161**	**521**	**309**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,254	– –	47	204	-32	1,168	135	235
Hydrogen	– –	– –	– –	–	207	– –	207	– –	0
Biofuels (including Fuel Ethanol)	– –	1,254	– –	47	-3	-32	961	135	235
Fuel Ethanol[5]	– –	975	– –	–	-3	-29	900	100	0
Biofuels (excluding Fuel Ethanol)	– –	280	– –	47	– –	-4	61	35	235
Biodiesel	– –	105	– –	33	– –	-7	49	35	62
Renewable Diesel Fuel	– –	160	– –	14	– –	4	9	NA	160
Other Biofuels[6]	– –	15	– –	–	– –	0	3	NA	12
Other Hydrocarbons	– –	– –	– –	–	0	0	–	–	0
Unfinished Oils	– –	– –	– –	647	– –	102	127	343	75
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	738	80	-91	867	42	0
Reformulated	– –	0	– –	146	186	-72	402	2	0
Conventional	– –	0	– –	592	-106	-19	465	40	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	1	0	–	0
Finished Petroleum Products	**– –**	**6**	**18,705**	**707**	**-77**	**240**	**– –**	**2,633**	**16,468**
Finished Motor Gasoline	– –	6	9,681	151	-77	33	– –	731	8,996
Reformulated	– –	–	3,006	–	-135	0	– –	–	2,871
Conventional	– –	6	6,674	151	58	33	– –	731	6,125
Finished Aviation Gasoline	– –	– –	9	0	– –	-1	– –	–	9
Kerosene-Type Jet Fuel	– –	0	1,702	138	– –	114	– –	111	1,615
Kerosene	– –	–	3	–	– –	-8	– –	1	10
Distillate Fuel Oil[5]	– –	0	4,757	156	– –	-8	– –	1,020	3,900
15 ppm sulfur and under	– –	0	4,531	155	– –	-35	– –	888	3,834
Greater than 15 ppm to 500 ppm sulfur	– –	0	130	0	– –	-13	– –	82	62
Greater than 500 ppm sulfur	– –	–	95	0	– –	41	– –	50	4
Residual Fuel Oil	– –	– –	287	92	– –	84	– –	120	176
Less than 0.31 percent sulfur	– –	– –	45	10	– –	15	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	84	24	– –	38	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	158	58	– –	31	– –	NA	NA
Petrochemical Feedstocks	– –	– –	251	26	– –	-8	– –	29	256
Naphtha for Petro. Feed. Use	– –	– –	130	20	– –	-6	– –	–	156
Other Oils for Petro. Feed. Use	– –	– –	121	6	– –	-2	– –	29	100
Special Naphthas	– –	– –	28	22	– –	2	– –	–	48
Lubricants	– –	– –	155	54	– –	20	– –	106	84
Waxes	– –	– –	5	4	– –	1	– –	4	4
Petroleum Coke	– –	– –	791	5	– –	-4	– –	489	311
Marketable	– –	– –	605	5	– –	-4	– –	489	124
Catalyst	– –	– –	186	– –	– –	– –	– –	– –	186
Asphalt and Road Oil	– –	– –	302	59	– –	13	– –	20	328
Still Gas	– –	– –	652	– –	– –	– –	– –	– –	652
Miscellaneous Products	– –	– –	83	–	– –	0	– –	3	81
Total	**18,988**	**1,238**	**19,511**	**8,470**	**760**	**241**	**18,498**	**9,782**	**20,446**

– – = 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-April 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]	**12,610**	**– –**	**– –**	**6,336**	**662**	**183**	**15,339**	**4,085**	**0**
Hydrocarbon Gas Liquids	**6,100**	**-23**	**551**	**199**	**– –**	**-193**	**675**	**2,668**	**3,677**
Natural Gas Liquids	6,100	-23	311	181	– –	-191	675	2,668	3,417
Ethane	2,543	– –	5	–	– –	26	– –	496	2,026
Propane	1,906	– –	275	139	– –	-132	– –	1,543	909
Normal Butane	547	–	43	34	– –	-63	231	478	-22
Isobutane	450	–	-12	8	– –	4	228	4	210
Natural Gasoline	654	-23	– –	0	– –	-27	216	148	294
Refinery Olefins	– –	– –	240	19	– –	-2	– –	– –	260
Ethylene	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	242	15	– –	0	– –	– –	257
Normal Butylene	– –	– –	-3	4	– –	-1	– –	– –	2
Isobutylene	– –	– –	0	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,260**	**– –**	**1,184**	**144**	**67**	**1,792**	**447**	**282**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,260	– –	52	172	13	1,140	108	223
Hydrogen	– –	– –	– –	–	202	– –	202	– –	0
Biofuels (including Fuel Ethanol)	– –	1,260	– –	52	-29	13	938	108	223
Fuel Ethanol[5]	– –	994	– –	–	-29	-3	872	95	0
Biofuels (excluding Fuel Ethanol)	– –	266	– –	52	– –	16	66	13	223
Biodiesel	– –	105	– –	32	– –	10	46	13	68
Renewable Diesel Fuel	– –	144	– –	20	– –	5	13	NA	146
Other Biofuels[6]	– –	17	– –	–	– –	0	7	NA	10
Other Hydrocarbons	– –	– –	– –	0	0	0	0	–	0
Unfinished Oils	– –	– –	– –	563	– –	46	178	281	59
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	569	-29	8	474	58	0
Reformulated	– –	0	– –	147	356	11	491	1	0
Conventional	– –	0	– –	423	-385	-2	-16	56	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	0	0	–	0
Finished Petroleum Products	**– –**	**6**	**18,233**	**772**	**58**	**71**	**– –**	**2,849**	**16,149**
Finished Motor Gasoline	– –	6	9,380	108	58	-14	– –	817	8,749
Reformulated	– –	–	2,919	–	-305	0	– –	–	2,614
Conventional	– –	6	6,461	108	363	-14	– –	817	6,135
Finished Aviation Gasoline	– –	– –	8	0	– –	-1	– –	–	10
Kerosene-Type Jet Fuel	– –	0	1,644	146	– –	51	– –	175	1,563
Kerosene	– –	–	9	4	– –	-9	– –	5	18
Distillate Fuel Oil[5]	– –	0	4,710	220	– –	-56	– –	1,006	3,981
15 ppm sulfur and under	– –	0	4,491	218	– –	-56	– –	849	3,917
Greater than 15 ppm to 500 ppm sulfur	– –	0	109	0	– –	-2	– –	94	18
Greater than 500 ppm sulfur	– –	–	110	2	– –	3	– –	63	45
Residual Fuel Oil	– –	– –	275	141	– –	11	– –	140	265
Less than 0.31 percent sulfur	– –	– –	45	14	– –	5	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	89	38	– –	16	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	141	89	– –	-10	– –	NA	NA
Petrochemical Feedstocks	– –	– –	225	18	– –	2	– –	33	209
Naphtha for Petro. Feed. Use	– –	– –	129	12	– –	2	– –	–	139
Other Oils for Petro. Feed. Use	– –	– –	96	6	– –	0	– –	33	69
Special Naphthas	– –	– –	29	17	– –	1	– –	–	45
Lubricants	– –	– –	146	47	– –	-3	– –	103	92
Waxes	– –	– –	5	4	– –	0	– –	4	4
Petroleum Coke	– –	– –	781	10	– –	8	– –	543	240
Marketable	– –	– –	598	10	– –	8	– –	543	57
Catalyst	– –	– –	183	– –	– –	– –	– –	– –	183
Asphalt and Road Oil	– –	– –	309	58	– –	82	– –	20	264
Still Gas	– –	– –	628	– –	– –	– –	– –	– –	628
Miscellaneous Products	– –	– –	85	–	– –	-1	– –	3	83
Total	**18,710**	**1,243**	**18,784**	**8,491**	**863**	**129**	**17,806**	**10,048**	**20,108**

– – = 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, April 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**1,967**	**– –**	**– –**	**20,050**	**2,348**	**214**	**1,114**	**23,465**	**0**	**0**	**8,147**
Hydrocarbon Gas Liquids	**20,403**	**-9**	**944**	**821**	**2,027**	**– –**	**1,134**	**878**	**8,411**	**13,764**	**8,961**
Natural Gas Liquids	20,403	-9	670	514	1,744	– –	1,090	878	8,411	12,944	8,845
Ethane	8,843	– –	–	–	-5,129	– –	146	– –	1,628	1,940	1,034
Propane	6,731	– –	416	454	5,274	– –	667	– –	4,227	7,981	5,620
Normal Butane	2,036	–	291	58	1,884	– –	153	574	2,533	1,009	1,691
Isobutane	935	–	-37	2	-276	– –	22	112	0	490	166
Natural Gasoline	1,858	-9	– –	–	-9	– –	102	192	22	1,525	334
Refinery Olefins	– –	– –	274	307	283	– –	44	– –	– –	820	116
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	274	307	283	– –	86	– –	– –	778	116
Normal Butylene	– –	– –	–	–	–	– –	-42	– –	– –	42	0
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**544**	**– –**	**20,777**	**60,746**	**5,514**	**-662**	**86,667**	**241**	**1,335**	**63,191**
Hydrogen/Biofuels/Other Hydrocarbons	– –	544	– –	374	9,069	609	-155	10,333	222	197	8,811
Hydrogen	– –	– –	– –	–	– –	39	– –	39	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	544	– –	374	9,069	570	-155	10,294	222	197	8,811
Fuel Ethanol[6]	– –	353	– –	–	8,977	570	-164	9,849	216	0	7,287
Biofuels (excluding Fuel Ethanol)[7]	– –	191	– –	374	92	– –	9	445	6	197	1,524
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	2,542	4	– –	87	1,304	17	1,138	4,015
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	17,861	51,673	4,904	-594	75,030	2	0	50,365
Reformulated	– –	–	– –	4,067	7,691	4,094	-1,326	17,178	–	0	17,471
Conventional	– –	–	– –	13,794	43,982	810	732	57,852	2	0	32,894
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**111,107**	**11,378**	**43,221**	**-5,475**	**6,446**	**– –**	**673**	**153,112**	**59,984**
Finished Motor Gasoline	– –	–	96,833	3,287	2,768	-5,475	880	– –	32	96,501	2,670
Reformulated	– –	–	35,279	–	–	-3,475	1	– –	–	31,803	5
Conventional	– –	–	61,554	3,287	2,768	-1,999	879	– –	32	64,699	2,665
Finished Aviation Gasoline	– –	– –	–	–	52	– –	-50	– –	–	102	172
Kerosene-Type Jet Fuel	– –	–	3,112	2,043	16,037	– –	2,648	– –	27	18,517	11,593
Kerosene	– –	–	-83	–	–	– –	-141	– –	4	54	511
Distillate Fuel Oil[6]	– –	0	7,563	3,943	22,301	– –	1,069	– –	112	32,626	28,144
15 ppm sulfur and under	– –	0	7,498	3,942	22,055	– –	899	– –	9	32,587	26,299
Greater than 15 ppm to 500 ppm sulfur	– –	–	32	1	–	– –	-34	– –	101	-34	589
Greater than 500 ppm sulfur	– –	–	33	–	246	– –	204	– –	2	73	1,256
Residual Fuel Oil	– –	– –	735	753	–	– –	1,489	– –	2	-3	6,340
Less than 0.31 percent sulfur	– –	– –	-1	–	–	– –	295	– –	NA	NA	531
0.31 to 1.00 percent sulfur	– –	– –	409	66	–	– –	382	– –	NA	NA	1,211
Greater than 1.00 percent sulfur	– –	– –	327	687	–	– –	812	– –	NA	NA	4,598
Petrochemical Feedstocks	– –	– –	–	190	–	– –	–	– –	–	190	–
Naphtha for Petro. Feed. Use	– –	– –	–	189	–	– –	–	– –	–	189	–
Other Oils for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	–	1	–
Special Naphthas	– –	– –	11	1	–	– –	0	– –	–	12	39
Lubricants	– –	– –	341	74	508	– –	178	– –	170	575	1,488
Waxes	– –	– –	4	76	–	– –	24	– –	65	-9	325
Petroleum Coke	– –	– –	229	–	453	– –	–	– –	197	485	–
Marketable	– –	– –	57	–	453	– –	–	– –	197	313	–
Catalyst	– –	– –	172	– –	– –	– –	– –	– –	– –	172	– –
Asphalt and Road Oil	– –	– –	1,223	1,011	1,102	– –	353	– –	50	2,933	8,649
Still Gas	– –	– –	1,094	– –	– –	– –	– –	– –	– –	1,094	– –
Miscellaneous Products	– –	– –	45	–	–	– –	-4	– –	14	35	53
Total	**22,370**	**535**	**112,051**	**53,026**	**108,342**	**253**	**8,032**	**111,010**	**9,325**	**168,211**	**140,284**

– – = 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-April 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	**8,097**	**– –**	**– –**	**68,483**	**10,019**	**745**	**535**	**85,369**	**1,440**	**0**	**8,147**
Hydrocarbon Gas Liquids	**81,565**	**-35**	**1,861**	**5,896**	**8,282**	**– –**	**-747**	**5,456**	**29,438**	**63,422**	**8,961**
Natural Gas Liquids	81,565	-35	1,198	4,745	7,386	– –	-710	5,456	29,438	60,675	8,845
Ethane	35,863	– –	–	–	-20,341	– –	174	– –	8,823	6,525	1,034
Propane	26,804	– –	1,621	4,623	23,176	– –	-1,219	– –	14,693	42,750	5,620
Normal Butane	8,040	–	-309	107	6,586	– –	177	3,897	5,769	4,581	1,691
Isobutane	3,681	–	-114	15	-1,338	– –	26	494	3	1,721	166
Natural Gasoline	7,177	-35	– –	–	-696	– –	132	1,065	151	5,098	334
Refinery Olefins	– –	– –	663	1,151	896	– –	-37	– –	– –	2,747	116
Ethylene	– –	– –	11	–	–	– –	–	– –	– –	11	–
Propylene	– –	– –	630	1,151	896	– –	-21	– –	– –	2,698	116
Normal Butylene	– –	– –	-2	–	–	– –	0	– –	– –	-2	0
Isobutylene	– –	– –	24	–	–	– –	-16	– –	– –	40	0
Other Liquids	**– –**	**2,038**	**– –**	**61,929**	**250,017**	**23,641**	**-1,901**	**335,369**	**780**	**3,376**	**63,191**
Hydrogen/Biofuels/Other Hydrocarbons	– –	2,038	– –	1,886	36,996	1,788	680	40,546	685	796	8,811
Hydrogen	– –	– –	– –	–	– –	234	– –	234	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	2,038	– –	1,886	36,996	1,554	680	40,312	685	796	8,811
Fuel Ethanol[6]	– –	1,334	– –	–	36,350	1,554	253	38,316	668	0	7,287
Biofuels (excluding Fuel Ethanol)[7]	– –	704	– –	1,886	646	– –	427	1,996	18	796	1,524
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	6,857	-49	– –	558	3,587	83	2,580	4,015
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	53,186	213,070	21,853	-3,139	291,236	12	0	50,365
Reformulated	– –	–	– –	16,513	27,340	18,456	635	61,673	1	0	17,471
Conventional	– –	–	– –	36,673	185,730	3,397	-3,774	229,563	11	0	32,894
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**2**	**427,622**	**52,137**	**172,187**	**-23,407**	**-445**	**– –**	**7,841**	**621,146**	**59,984**
Finished Motor Gasoline	– –	–	375,373	10,180	8,879	-23,407	-224	– –	519	370,731	2,670
Reformulated	– –	–	136,900	–	–	-17,358	0	– –	–	119,542	5
Conventional	– –	–	238,473	10,180	8,879	-6,049	-224	– –	519	251,188	2,665
Finished Aviation Gasoline	– –	– –	–	18	338	– –	-34	– –	–	390	172
Kerosene-Type Jet Fuel	– –	–	11,400	6,559	56,285	– –	2,636	– –	772	70,836	11,593
Kerosene	– –	–	70	504	596	– –	-1,105	– –	13	2,262	511
Distillate Fuel Oil[6]	– –	2	26,571	22,906	98,434	– –	-6,258	– –	2,108	152,063	28,144
15 ppm sulfur and under	– –	2	26,298	22,772	97,266	– –	-5,716	– –	1,383	150,671	26,299
Greater than 15 ppm to 500 ppm sulfur	– –	–	99	3	–	– –	-2	– –	570	-466	589
Greater than 500 ppm sulfur	– –	–	174	131	1,168	– –	-540	– –	154	1,859	1,256
Residual Fuel Oil	– –	– –	3,140	7,595	–	– –	729	– –	1,356	8,650	6,340
Less than 0.31 percent sulfur	– –	– –	-50	998	–	– –	238	– –	NA	NA	531
0.31 to 1.00 percent sulfur	– –	– –	2,306	2,086	–	– –	369	– –	NA	NA	1,211
Greater than 1.00 percent sulfur	– –	– –	884	4,511	–	– –	122	– –	NA	NA	4,598
Petrochemical Feedstocks	– –	– –	–	321	–	– –	–	– –	6	315	–
Naphtha for Petro. Feed. Use	– –	– –	–	286	–	– –	–	– –	–	286	–
Other Oils for Petro. Feed. Use	– –	– –	–	35	–	– –	–	– –	6	29	–
Special Naphthas	– –	– –	6	8	–	– –	-22	– –	–	36	39
Lubricants	– –	– –	1,373	441	2,103	– –	-52	– –	838	3,131	1,488
Waxes	– –	– –	-40	353	–	– –	104	– –	262	-53	325
Petroleum Coke	– –	– –	1,852	–	1,275	– –	–	– –	1,619	1,508	–
Marketable	– –	– –	775	–	1,275	– –	–	– –	1,619	431	–
Catalyst	– –	– –	1,077	– –	– –	– –	– –	– –	– –	1,077	– –
Asphalt and Road Oil	– –	– –	4,344	3,252	4,278	– –	3,794	– –	285	7,795	8,649
Still Gas	– –	– –	3,262	– –	– –	– –	– –	– –	– –	3,262	– –
Miscellaneous Products	– –	– –	271	–	–	– –	-13	– –	64	220	53
Total	**89,662**	**2,005**	**429,483**	**188,445**	**440,505**	**979**	**-2,558**	**426,194**	**39,500**	**687,944**	**140,284**

– – = 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, April 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	**66**	**– –**	**– –**	**668**	**78**	**7**	**37**	**782**	**0**	**0**
Hydrocarbon Gas Liquids	**680**	**0**	**31**	**27**	**68**	**– –**	**38**	**29**	**280**	**459**
Natural Gas Liquids	680	0	22	17	58	– –	36	29	280	431
Ethane	295	– –	–	–	-171	– –	5	– –	54	65
Propane	224	– –	14	15	176	– –	22	– –	141	266
Normal Butane	68	–	10	2	63	– –	5	19	84	34
Isobutane	31	–	-1	0	-9	– –	1	4	0	16
Natural Gasoline	62	0	– –	–	0	– –	3	6	1	51
Refinery Olefins	– –	– –	9	10	9	– –	1	– –	– –	27
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	9	10	9	– –	3	– –	– –	26
Normal Butylene	– –	– –	–	–	–	– –	-1	– –	– –	1
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**18**	**– –**	**693**	**2,025**	**184**	**-22**	**2,889**	**8**	**44**
Hydrogen/Biofuels/Other Hydrocarbons	– –	18	– –	12	302	20	-5	344	7	7
Hydrogen	– –	– –	– –	–	– –	1	– –	1	– –	0
Biofuels (including Fuel Ethanol)	– –	18	– –	12	302	19	-5	343	7	7
Fuel Ethanol[6]	– –	12	– –	–	299	19	-5	328	7	0
Biofuels (excluding Fuel Ethanol)[7]	– –	6	– –	12	3	– –	0	15	0	7
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	85	0	– –	3	43	1	38
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	–	– –	595	1,722	163	-20	2,501	0	0
Reformulated	– –	–	– –	136	256	136	-44	573	–	0
Conventional	– –	–	– –	460	1,466	27	24	1,928	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**3,704**	**379**	**1,441**	**-182**	**215**	**– –**	**22**	**5,104**
Finished Motor Gasoline	– –	–	3,228	110	92	-182	29	– –	1	3,217
Reformulated	– –	–	1,176	–	–	-116	0	– –	–	1,060
Conventional	– –	–	2,052	110	92	-67	29	– –	1	2,157
Finished Aviation Gasoline	– –	– –	–	–	2	– –	-2	– –	–	3
Kerosene-Type Jet Fuel	– –	–	104	68	535	– –	88	– –	1	617
Kerosene	– –	–	-3	–	–	– –	-5	– –	0	2
Distillate Fuel Oil[6]	– –	0	252	131	743	– –	36	– –	4	1,088
15 ppm sulfur and under	– –	0	250	131	735	– –	30	– –	0	1,086
Greater than 15 ppm to 500 ppm sulfur	– –	–	1	0	–	– –	-1	– –	3	-1
Greater than 500 ppm sulfur	– –	–	1	–	8	– –	7	– –	0	2
Residual Fuel Oil	– –	– –	25	25	–	– –	50	– –	0	0
Less than 0.31 percent sulfur	– –	– –	0	–	–	– –	10	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	14	2	–	– –	13	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	11	23	–	– –	27	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	6	–	– –	–	– –	–	6
Naphtha for Petro. Feed. Use	– –	– –	–	6	–	– –	–	– –	–	6
Other Oils for Petro. Feed. Use	– –	– –	–	0	–	– –	–	– –	–	0
Special Naphthas	– –	– –	0	0	–	– –	0	– –	–	0
Lubricants	– –	– –	11	2	17	– –	6	– –	6	19
Waxes	– –	– –	0	3	–	– –	1	– –	2	0
Petroleum Coke	– –	– –	8	–	15	– –	–	– –	7	16
Marketable	– –	– –	2	–	15	– –	–	– –	7	10
Catalyst	– –	– –	6	– –	– –	– –	– –	– –	– –	6
Asphalt and Road Oil	– –	– –	41	34	37	– –	12	– –	2	98
Still Gas	– –	– –	36	– –	– –	– –	– –	– –	– –	36
Miscellaneous Products	– –	– –	2	–	–	– –	0	– –	0	1
Total	**746**	**18**	**3,735**	**1,768**	**3,611**	**8**	**268**	**3,700**	**311**	**5,607**

– – = 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-April 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	**67**	**– –**	**– –**	**571**	**83**	**6**	**4**	**711**	**12**	**0**
Hydrocarbon Gas Liquids	**680**	**0**	**16**	**49**	**69**	**– –**	**-6**	**45**	**245**	**529**
Natural Gas Liquids	680	0	10	40	62	– –	-6	45	245	506
Ethane	299	– –	–	–	-170	– –	1	– –	74	54
Propane	223	– –	14	39	193	– –	-10	– –	122	356
Normal Butane	67	–	-3	1	55	– –	1	32	48	38
Isobutane	31	–	-1	0	-11	– –	0	4	0	14
Natural Gasoline	60	0	– –	–	-6	– –	1	9	1	42
Refinery Olefins	– –	– –	6	10	7	– –	0	– –	– –	23
Ethylene	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	5	10	7	– –	0	– –	– –	22
Normal Butylene	– –	– –	0	–	–	– –	0	– –	– –	0
Isobutylene	– –	– –	0	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**17**	**– –**	**516**	**2,083**	**197**	**-16**	**2,795**	**7**	**28**
Hydrogen/Biofuels/Other Hydrocarbons	– –	17	– –	16	308	15	6	338	6	7
Hydrogen	– –	– –	– –	–	– –	2	– –	2	– –	0
Biofuels (including Fuel Ethanol)	– –	17	– –	16	308	13	6	336	6	7
Fuel Ethanol[6]	– –	11	– –	–	303	13	2	319	6	0
Biofuels (excluding Fuel Ethanol)[7]	– –	6	– –	16	5	– –	4	17	0	7
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	57	0	– –	5	30	1	22
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	–	– –	443	1,776	182	-26	2,427	0	0
Reformulated	– –	–	– –	138	228	154	5	514	0	0
Conventional	– –	–	– –	306	1,548	28	-31	1,913	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**3,564**	**434**	**1,435**	**-195**	**-4**	**– –**	**65**	**5,176**
Finished Motor Gasoline	– –	–	3,128	85	74	-195	-2	– –	4	3,089
Reformulated	– –	–	1,141	–	–	-145	0	– –	–	996
Conventional	– –	–	1,987	85	74	-50	-2	– –	4	2,093
Finished Aviation Gasoline	– –	– –	–	0	3	– –	0	– –	–	3
Kerosene-Type Jet Fuel	– –	–	95	55	469	– –	22	– –	6	590
Kerosene	– –	–	1	4	5	– –	-9	– –	0	19
Distillate Fuel Oil[6]	– –	0	221	191	820	– –	-52	– –	18	1,267
15 ppm sulfur and under	– –	0	219	190	811	– –	-48	– –	12	1,256
Greater than 15 ppm to 500 ppm sulfur	– –	–	1	0	–	– –	0	– –	5	-4
Greater than 500 ppm sulfur	– –	–	1	1	10	– –	-5	– –	1	15
Residual Fuel Oil	– –	– –	26	63	–	– –	6	– –	11	72
Less than 0.31 percent sulfur	– –	– –	0	8	–	– –	2	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	19	17	–	– –	3	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	7	38	–	– –	1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	3	–	– –	–	– –	0	3
Naphtha for Petro. Feed. Use	– –	– –	–	2	–	– –	–	– –	–	2
Other Oils for Petro. Feed. Use	– –	– –	–	0	–	– –	–	– –	0	0
Special Naphthas	– –	– –	0	0	–	– –	0	– –	–	0
Lubricants	– –	– –	11	4	18	– –	0	– –	7	26
Waxes	– –	– –	0	3	–	– –	1	– –	2	0
Petroleum Coke	– –	– –	15	–	11	– –	–	– –	13	13
Marketable	– –	– –	6	–	11	– –	–	– –	13	4
Catalyst	– –	– –	9	– –	– –	– –	– –	– –	– –	9
Asphalt and Road Oil	– –	– –	36	27	36	– –	32	– –	2	65
Still Gas	– –	– –	27	– –	– –	– –	– –	– –	– –	27
Miscellaneous Products	– –	– –	2	–	–	– –	0	– –	1	2
Total	**747**	**17**	**3,579**	**1,570**	**3,671**	**8**	**-21**	**3,552**	**329**	**5,733**

– – = 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, April 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	**52,502**	**– –**	**– –**	**80,293**	**-24,717**	**3,973**	**-639**	**111,324**	**1,366**	**0**	**120,776**
Hydrocarbon Gas Liquids	**35,952**	**-635**	**5,307**	**1,427**	**-20,204**	**– –**	**2,616**	**2,592**	**6,248**	**10,391**	**39,474**
Natural Gas Liquids	35,952	-635	3,995	1,218	-19,322	– –	2,601	2,592	6,248	9,766	39,128
Ethane	13,864	– –	–	–	-8,502	– –	263	– –	1,703	3,396	7,220
Propane	12,042	– –	2,231	624	-11,166	– –	1,289	– –	205	2,237	13,252
Normal Butane	4,107	–	1,969	296	-4,688	– –	1,737	365	100	-518	6,716
Isobutane	2,018	–	-205	295	66	– –	-39	1,450	2	762	2,284
Natural Gasoline	3,921	-635	– –	3	4,968	– –	-649	777	4,239	3,889	9,656
Refinery Olefins	– –	– –	1,312	209	-882	– –	15	– –	– –	624	346
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	1,188	106	-882	– –	8	– –	– –	404	308
Normal Butylene	– –	– –	124	103	–	– –	7	– –	– –	220	38
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**30,567**	**– –**	**453**	**-13,320**	**-1,015**	**-2,297**	**14,130**	**3,817**	**1,035**	**69,187**
Hydrogen/Biofuels/Other Hydrocarbons	– –	30,567	– –	108	-19,778	-173	-870	8,758	1,220	1,617	11,169
Hydrogen	– –	– –	– –	–	– –	1,033	– –	1,033	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	30,567	– –	108	-19,778	-1,210	-874	7,725	1,220	1,617	11,145
Fuel Ethanol	– –	27,756	– –	–	-19,171	-1,210	-701	7,275	801	0	9,746
Biofuels (excluding Fuel Ethanol)[6]	– –	2,811	– –	108	-606	– –	-173	450	419	1,617	1,399
Other Hydrocarbons	– –	– –	– –	–	–	4	4	–	–	0	24
Unfinished Oils	– –	– –	– –	36	135	– –	1,709	-3,496	2,539	-581	15,225
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	309	6,323	-842	-3,136	8,868	57	0	42,794
Reformulated	– –	0	– –	–	1,573	141	-734	2,448	–	0	4,933
Conventional	– –	0	– –	309	4,750	-983	-2,402	6,420	57	0	37,860
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**131**	**129,354**	**1,350**	**581**	**2,052**	**-1,260**	**– –**	**1,438**	**133,290**	**59,125**
Finished Motor Gasoline	– –	135	73,713	–	6	2,052	-375	– –	346	75,935	3,173
Reformulated	– –	–	9,967	–	–	-68	–	– –	–	9,899	–
Conventional	– –	135	63,746	–	6	2,121	-375	– –	346	66,037	3,173
Finished Aviation Gasoline	– –	– –	22	4	–	– –	0	– –	–	26	181
Kerosene-Type Jet Fuel	– –	–	8,795	–	-174	– –	746	– –	28	7,847	7,237
Kerosene	– –	–	2	–	–	– –	-7	– –	1	8	107
Distillate Fuel Oil	– –	-4	30,170	168	3,803	– –	-1,740	– –	81	35,796	27,564
15 ppm sulfur and under	– –	-4	30,086	160	3,734	– –	-2,079	– –	6	36,049	26,641
Greater than 15 ppm to 500 ppm sulfur	– –	0	8	5	69	– –	-80	– –	3	159	218
Greater than 500 ppm sulfur	– –	–	76	3	–	– –	419	– –	72	-412	705
Residual Fuel Oil	– –	– –	953	115	-797	– –	77	– –	–	194	986
Less than 0.31 percent sulfur	– –	– –	57	–	-80	– –	-29	– –	NA	NA	111
0.31 to 1.00 percent sulfur	– –	– –	355	7	-236	– –	43	– –	NA	NA	225
Greater than 1.00 percent sulfur	– –	– –	541	108	-481	– –	63	– –	NA	NA	650
Petrochemical Feedstocks	– –	– –	882	162	-121	– –	-42	– –	–	965	593
Naphtha for Petro. Feed. Use	– –	– –	531	91	-98	– –	-44	– –	–	568	479
Other Oils for Petro. Feed. Use	– –	– –	351	71	-23	– –	2	– –	–	397	114
Special Naphthas	– –	– –	-30	9	42	– –	42	– –	–	-21	167
Lubricants	– –	– –	223	226	156	– –	98	– –	184	323	844
Waxes	– –	– –	33	18	–	– –	5	– –	24	22	61
Petroleum Coke	– –	– –	5,611	22	-1,099	– –	-356	– –	700	4,190	3,004
Marketable	– –	– –	4,287	22	-1,099	– –	-356	– –	700	2,866	3,004
Catalyst	– –	– –	1,324	– –	– –	– –	– –	– –	– –	1,324	– –
Asphalt and Road Oil	– –	– –	4,386	626	-1,245	– –	283	– –	73	3,411	15,012
Still Gas	– –	– –	4,154	– –	– –	– –	– –	– –	– –	4,154	– –
Miscellaneous Products	– –	– –	440	–	9	– –	9	– –	1	439	196
Total	**88,454**	**30,063**	**134,661**	**83,523**	**-57,659**	**5,010**	**-1,580**	**128,046**	**12,870**	**144,716**	**288,562**

– – = 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-April 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	**207,673**	**– –**	**– –**	**344,649**	**-86,289**	**5,964**	**14,136**	**448,381**	**9,480**	**0**	**120,776**
Hydrocarbon Gas Liquids	**134,763**	**-2,621**	**10,749**	**8,194**	**-65,868**	**– –**	**-12,872**	**12,973**	**25,768**	**59,347**	**39,474**
Natural Gas Liquids	134,763	-2,621	6,246	7,126	-62,970	– –	-12,835	12,973	25,768	56,637	39,128
Ethane	48,761	– –	–	–	-26,892	– –	1,025	– –	7,902	12,942	7,220
Propane	47,166	– –	9,010	4,444	-42,109	– –	-9,774	– –	560	27,726	13,252
Normal Butane	15,486	–	-1,980	1,709	-16,738	– –	-3,370	3,014	380	-1,547	6,716
Isobutane	8,287	–	-784	963	776	– –	255	6,575	6	2,406	2,284
Natural Gasoline	15,063	-2,621	– –	10	21,992	– –	-971	3,384	16,920	15,110	9,656
Refinery Olefins	– –	– –	4,503	1,068	-2,897	– –	-37	– –	– –	2,711	346
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	4,339	605	-2,897	– –	-64	– –	– –	2,111	308
Normal Butylene	– –	– –	164	463	–	– –	27	– –	– –	600	38
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**125,183**	**– –**	**2,626**	**-61,295**	**-12,298**	**1,049**	**36,179**	**13,984**	**3,004**	**69,187**
Hydrogen/Biofuels/Other Hydrocarbons	– –	125,187	– –	409	-78,253	-2,634	-74	34,081	4,084	6,618	11,169
Hydrogen	– –	– –	– –	–	– –	4,633	– –	4,633	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	125,187	– –	409	-78,253	-7,309	-88	29,420	4,084	6,618	11,145
Fuel Ethanol	– –	113,714	– –	–	-75,223	-7,309	-250	28,036	3,397	0	9,746
Biofuels (excluding Fuel Ethanol)[6]	– –	11,472	– –	409	-3,030	– –	162	1,384	687	6,618	1,399
Other Hydrocarbons	– –	– –	– –	–	–	42	14	28	–	0	24
Unfinished Oils	– –	– –	– –	36	-2,097	– –	1,652	-9,775	9,676	-3,614	15,225
Motor Gasoline Blend.Comp. (MGBC)	– –	-3	– –	2,181	19,055	-9,664	-529	11,873	224	0	42,794
Reformulated	– –	0	– –	–	3,013	3,742	598	6,157	–	0	4,933
Conventional	– –	-3	– –	2,181	16,042	-13,407	-1,127	5,716	224	0	37,860
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**518**	**512,124**	**6,057**	**-2,840**	**16,973**	**3,903**	**– –**	**3,317**	**525,612**	**59,125**
Finished Motor Gasoline	– –	530	282,150	–	335	16,973	-89	– –	1,000	299,078	3,173
Reformulated	– –	–	39,369	–	–	-3,198	–	– –	–	36,171	–
Conventional	– –	530	242,781	–	335	20,172	-89	– –	1,000	262,907	3,173
Finished Aviation Gasoline	– –	– –	40	16	70	– –	-22	– –	–	148	181
Kerosene-Type Jet Fuel	– –	–	30,849	–	978	– –	435	– –	115	31,277	7,237
Kerosene	– –	–	338	–	–	– –	9	– –	4	325	107
Distillate Fuel Oil	– –	-12	132,293	1,078	7,883	– –	-1,292	– –	212	142,322	27,564
15 ppm sulfur and under	– –	-12	132,286	1,011	7,594	– –	-1,413	– –	12	142,280	26,641
Greater than 15 ppm to 500 ppm sulfur	– –	0	352	17	289	– –	-179	– –	30	807	218
Greater than 500 ppm sulfur	– –	–	-345	50	–	– –	300	– –	170	-765	705
Residual Fuel Oil	– –	– –	3,716	337	-3,374	– –	-202	– –	0	881	986
Less than 0.31 percent sulfur	– –	– –	229	–	-340	– –	-108	– –	NA	NA	111
0.31 to 1.00 percent sulfur	– –	– –	1,552	29	-946	– –	-19	– –	NA	NA	225
Greater than 1.00 percent sulfur	– –	– –	1,935	308	-2,088	– –	-75	– –	NA	NA	650
Petrochemical Feedstocks	– –	– –	3,246	659	-293	– –	65	– –	–	3,547	593
Naphtha for Petro. Feed. Use	– –	– –	1,768	370	-230	– –	86	– –	–	1,822	479
Other Oils for Petro. Feed. Use	– –	– –	1,478	289	-63	– –	-21	– –	–	1,725	114
Special Naphthas	– –	– –	-49	19	117	– –	49	– –	–	38	167
Lubricants	– –	– –	820	971	717	– –	122	– –	713	1,673	844
Waxes	– –	– –	154	55	–	– –	14	– –	140	55	61
Petroleum Coke	– –	– –	21,719	58	-4,500	– –	385	– –	875	16,017	3,004
Marketable	– –	– –	16,501	58	-4,500	– –	385	– –	875	10,799	3,004
Catalyst	– –	– –	5,218	– –	– –	– –	– –	– –	– –	5,218	– –
Asphalt and Road Oil	– –	– –	18,798	2,864	-4,809	– –	4,365	– –	250	12,238	15,012
Still Gas	– –	– –	16,141	– –	– –	– –	– –	– –	– –	16,141	– –
Miscellaneous Products	– –	– –	1,909	–	36	– –	64	– –	8	1,873	196
Total	**342,436**	**123,080**	**522,873**	**361,526**	**-216,291**	**10,639**	**6,216**	**497,533**	**52,550**	**587,964**	**288,562**

– – = 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, April 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	**1,750**	**– –**	**– –**	**2,676**	**-824**	**132**	**-21**	**3,711**	**46**	**0**
Hydrocarbon Gas Liquids	**1,198**	**-21**	**177**	**48**	**-673**	**– –**	**87**	**86**	**208**	**346**
Natural Gas Liquids	1,198	-21	133	41	-644	– –	87	86	208	326
Ethane	462	– –	–	–	-283	– –	9	– –	57	113
Propane	401	– –	74	21	-372	– –	43	– –	7	75
Normal Butane	137	–	66	10	-156	– –	58	12	3	-17
Isobutane	67	–	-7	10	2	– –	-1	48	0	25
Natural Gasoline	131	-21	– –	0	166	– –	-22	26	141	130
Refinery Olefins	– –	– –	44	7	-29	– –	1	– –	– –	21
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	40	4	-29	– –	0	– –	– –	13
Normal Butylene	– –	– –	4	3	–	– –	0	– –	– –	7
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,019**	**– –**	**15**	**-444**	**-34**	**-77**	**471**	**127**	**35**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,019	– –	4	-659	-6	-29	292	41	54
Hydrogen	– –	– –	– –	–	– –	34	– –	34	– –	0
Biofuels (including Fuel Ethanol)	– –	1,019	– –	4	-659	-40	-29	258	41	54
Fuel Ethanol	– –	925	– –	–	-639	-40	-23	243	27	0
Biofuels (excluding Fuel Ethanol)[6]	– –	94	– –	4	-20	– –	-6	15	14	54
Other Hydrocarbons	– –	– –	– –	–	–	0	0	–	–	0
Unfinished Oils	– –	– –	– –	1	5	– –	57	-117	85	-19
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	10	211	-28	-105	296	2	0
Reformulated	– –	0	– –	–	52	5	-24	82	–	0
Conventional	– –	0	– –	10	158	-33	-80	214	2	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**4**	**4,312**	**45**	**19**	**68**	**-42**	**– –**	**48**	**4,443**
Finished Motor Gasoline	– –	5	2,457	–	0	68	-13	– –	12	2,531
Reformulated	– –	–	332	–	–	-2	–	– –	–	330
Conventional	– –	5	2,125	–	0	71	-13	– –	12	2,201
Finished Aviation Gasoline	– –	– –	1	0	–	– –	0	– –	–	1
Kerosene-Type Jet Fuel	– –	–	293	–	-6	– –	25	– –	1	262
Kerosene	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	0	1,006	6	127	– –	-58	– –	3	1,193
15 ppm sulfur and under	– –	0	1,003	5	124	– –	-69	– –	0	1,202
Greater than 15 ppm to 500 ppm sulfur	– –	0	0	0	2	– –	-3	– –	0	5
Greater than 500 ppm sulfur	– –	–	3	0	–	– –	14	– –	2	-14
Residual Fuel Oil	– –	– –	32	4	-27	– –	3	– –	–	6
Less than 0.31 percent sulfur	– –	– –	2	–	-3	– –	-1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	12	0	-8	– –	1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	18	4	-16	– –	2	– –	NA	NA
Petrochemical Feedstocks	– –	– –	29	5	-4	– –	-1	– –	–	32
Naphtha for Petro. Feed. Use	– –	– –	18	3	-3	– –	-1	– –	–	19
Other Oils for Petro. Feed. Use	– –	– –	12	2	-1	– –	0	– –	–	13
Special Naphthas	– –	– –	-1	0	1	– –	1	– –	–	-1
Lubricants	– –	– –	7	8	5	– –	3	– –	6	11
Waxes	– –	– –	1	1	–	– –	0	– –	1	1
Petroleum Coke	– –	– –	187	1	-37	– –	-12	– –	23	140
Marketable	– –	– –	143	1	-37	– –	-12	– –	23	96
Catalyst	– –	– –	44	– –	– –	– –	– –	– –	– –	44
Asphalt and Road Oil	– –	– –	146	21	-41	– –	9	– –	2	114
Still Gas	– –	– –	138	– –	– –	– –	– –	– –	– –	138
Miscellaneous Products	– –	– –	15	–	0	– –	0	– –	0	15
Total	**2,948**	**1,002**	**4,489**	**2,784**	**-1,922**	**167**	**-53**	**4,268**	**429**	**4,824**

– – = 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-April 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	**1,731**	**– –**	**– –**	**2,872**	**-719**	**50**	**118**	**3,737**	**79**	**0**
Hydrocarbon Gas Liquids	**1,123**	**-22**	**90**	**68**	**-549**	**– –**	**-107**	**108**	**215**	**495**
Natural Gas Liquids	1,123	-22	52	59	-525	– –	-107	108	215	472
Ethane	406	– –	–	–	-224	– –	9	– –	66	108
Propane	393	– –	75	37	-351	– –	-81	– –	5	231
Normal Butane	129	–	-17	14	-139	– –	-28	25	3	-13
Isobutane	69	–	-7	8	6	– –	2	55	0	20
Natural Gasoline	126	-22	– –	0	183	– –	-8	28	141	126
Refinery Olefins	– –	– –	38	9	-24	– –	0	– –	– –	23
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	36	5	-24	– –	-1	– –	– –	18
Normal Butylene	– –	– –	1	4	–	– –	0	– –	– –	5
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,043**	**– –**	**22**	**-511**	**-102**	**9**	**301**	**117**	**25**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,043	– –	3	-652	-22	-1	284	34	55
Hydrogen	– –	– –	– –	–	– –	39	– –	39	– –	0
Biofuels (including Fuel Ethanol)	– –	1,043	– –	3	-652	-61	-1	245	34	55
Fuel Ethanol	– –	948	– –	–	-627	-61	-2	234	28	0
Biofuels (excluding Fuel Ethanol)[6]	– –	96	– –	3	-25	– –	1	12	6	55
Other Hydrocarbons	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	– –	– –	0	-17	– –	14	-81	81	-30
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	18	159	-81	-4	99	2	0
Reformulated	– –	0	– –	–	25	31	5	51	–	0
Conventional	– –	0	– –	18	134	-112	-9	48	2	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**4**	**4,268**	**50**	**-24**	**141**	**33**	**– –**	**28**	**4,380**
Finished Motor Gasoline	– –	4	2,351	–	3	141	-1	– –	8	2,492
Reformulated	– –	–	328	–	–	-27	–	– –	–	301
Conventional	– –	4	2,023	–	3	168	-1	– –	8	2,191
Finished Aviation Gasoline	– –	– –	0	0	1	– –	0	– –	–	1
Kerosene-Type Jet Fuel	– –	–	257	–	8	– –	4	– –	1	261
Kerosene	– –	–	3	–	–	– –	0	– –	0	3
Distillate Fuel Oil	– –	0	1,102	9	66	– –	-11	– –	2	1,186
15 ppm sulfur and under	– –	0	1,102	8	63	– –	-12	– –	0	1,186
Greater than 15 ppm to 500 ppm sulfur	– –	0	3	0	2	– –	-1	– –	0	7
Greater than 500 ppm sulfur	– –	–	-3	0	–	– –	3	– –	1	-6
Residual Fuel Oil	– –	– –	31	3	-28	– –	-2	– –	0	7
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	– –	– –	16	3	-17	– –	-1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	27	5	-2	– –	1	– –	–	30
Naphtha for Petro. Feed. Use	– –	– –	15	3	-2	– –	1	– –	–	15
Other Oils for Petro. Feed. Use	– –	– –	12	2	-1	– –	0	– –	–	14
Special Naphthas	– –	– –	0	0	1	– –	0	– –	–	0
Lubricants	– –	– –	7	8	6	– –	1	– –	6	14
Waxes	– –	– –	1	0	–	– –	0	– –	1	0
Petroleum Coke	– –	– –	181	0	-37	– –	3	– –	7	133
Marketable	– –	– –	138	0	-37	– –	3	– –	7	90
Catalyst	– –	– –	43	– –	– –	– –	– –	– –	– –	43
Asphalt and Road Oil	– –	– –	157	24	-40	– –	36	– –	2	102
Still Gas	– –	– –	135	– –	– –	– –	– –	– –	– –	135
Miscellaneous Products	– –	– –	16	–	0	– –	1	– –	0	16
Total	**2,854**	**1,026**	**4,357**	**3,013**	**-1,802**	**89**	**52**	**4,146**	**438**	**4,900**

– – = 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, April 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]	**274,219**	**– –**	**– –**	**36,308**	**38,134**	**15,365**	**-16,425**	**261,552**	**118,899**	**0**	**616,538**
Hydrocarbon Gas Liquids	**117,150**	**-16**	**15,252**	**–**	**31,826**	**– –**	**8,926**	**10,410**	**62,003**	**82,873**	**130,600**
Natural Gas Liquids	117,150	-16	9,114	–	31,228	– –	9,120	10,410	62,003	75,943	129,556
Ethane	53,540	– –	156	–	18,463	– –	2,011	– –	11,378	58,770	47,308
Propane	34,113	– –	4,779	–	10,306	– –	2,565	– –	38,523	8,109	39,219
Normal Butane	8,562	–	4,465	–	4,634	– –	4,257	1,613	11,928	-138	22,504
Isobutane	9,243	–	-286	–	1,057	– –	687	4,419	104	4,805	9,407
Natural Gasoline	11,692	-16	– –	–	-3,232	– –	-400	4,378	69	4,397	11,118
Refinery Olefins	– –	– –	6,138	–	598	– –	-194	– –	– –	6,930	1,044
Ethylene	– –	– –	4	–	–	– –	0	– –	– –	4	0
Propylene	– –	– –	6,146	–	598	– –	35	– –	– –	6,709	837
Normal Butylene	– –	– –	-12	–	–	– –	-229	– –	– –	217	207
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**4,372**	**– –**	**17,430**	**-57,136**	**2,420**	**3,300**	**-50,764**	**10,288**	**4,263**	**135,499**
Hydrogen/Biofuels/Other Hydrocarbons	– –	4,372	– –	360	5,338	3,743	-416	8,394	2,370	3,466	6,552
Hydrogen	– –	– –	– –	–	– –	3,632	– –	3,632	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	4,372	– –	360	5,338	111	-416	4,762	2,370	3,466	6,552
Fuel Ethanol	– –	657	– –	–	5,647	111	71	4,532	1,812	0	4,420
Biofuels (excluding Fuel Ethanol)[7]	– –	3,715	– –	360	-308	– –	-487	230	558	3,466	2,132
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	15,032	-54	– –	1,869	5,404	6,900	805	48,920
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	2,038	-62,420	-1,323	1,832	-64,555	1,018	0	79,993
Reformulated	– –	–	– –	–	-10,453	983	184	-9,717	63	0	11,053
Conventional	– –	–	– –	2,038	-51,967	-2,306	1,648	-54,838	955	0	68,940
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	15	-7	–	-8	34
Finished Petroleum Products	**– –**	**3**	**222,151**	**4,259**	**-45,445**	**1,212**	**4,113**	**– –**	**67,931**	**110,136**	**103,206**
Finished Motor Gasoline	– –	0	66,078	49	-2,750	1,212	912	– –	20,796	42,881	6,862
Reformulated	– –	–	14,237	–	–	180	–	– –	–	14,417	–
Conventional	– –	0	51,841	49	-2,750	1,032	912	– –	20,796	28,464	6,862
Finished Aviation Gasoline	– –	– –	244	–	-52	– –	12	– –	–	180	542
Kerosene-Type Jet Fuel	– –	–	25,730	–	-16,791	– –	86	– –	2,799	6,054	12,413
Kerosene	– –	–	181	–	–	– –	-76	– –	20	237	445
Distillate Fuel Oil	– –	3	86,565	293	-27,020	– –	1,836	– –	27,005	31,000	40,274
15 ppm sulfur and under	– –	3	80,479	293	-26,705	– –	1,229	– –	23,268	29,573	33,864
Greater than 15 ppm to 500 ppm sulfur	– –	0	3,691	–	-69	– –	-106	– –	2,325	1,403	1,044
Greater than 500 ppm sulfur	– –	–	2,395	–	-246	– –	713	– –	1,412	24	5,366
Residual Fuel Oil	– –	– –	4,873	1,433	797	– –	1,322	– –	2,921	2,860	20,187
Less than 0.31 percent sulfur	– –	– –	1,129	–	80	– –	182	– –	NA	NA	1,632
0.31 to 1.00 percent sulfur	– –	– –	1,048	495	236	– –	680	– –	NA	NA	5,875
Greater than 1.00 percent sulfur	– –	– –	2,696	938	481	– –	460	– –	NA	NA	12,680
Petrochemical Feedstocks	– –	– –	6,505	392	121	– –	-189	– –	862	6,345	2,084
Naphtha for Petro. Feed. Use	– –	– –	3,377	283	98	– –	-133	– –	–	3,891	1,566
Other Oils for Petro. Feed. Use	– –	– –	3,128	109	23	– –	-56	– –	862	2,454	518
Special Naphthas	– –	– –	828	640	-42	– –	70	– –	–	1,356	830
Lubricants	– –	– –	3,672	1,319	-672	– –	157	– –	2,706	1,456	9,384
Waxes	– –	– –	110	4	–	– –	-2	– –	20	96	259
Petroleum Coke	– –	– –	13,444	129	969	– –	376	– –	10,272	3,894	3,570
Marketable	– –	– –	10,399	129	969	– –	376	– –	10,272	849	3,570
Catalyst	– –	– –	3,045	– –	– –	– –	– –	– –	– –	3,045	– –
Asphalt and Road Oil	– –	– –	1,934	–	4	– –	-393	– –	467	1,864	5,868
Still Gas	– –	– –	10,461	– –	– –	– –	– –	– –	– –	10,461	– –
Miscellaneous Products	– –	– –	1,526	–	-9	– –	2	– –	63	1,452	488
Total	**391,369**	**4,359**	**237,403**	**57,997**	**-32,621**	**18,997**	**-86**	**221,198**	**259,121**	**197,272**	**985,844**

– – = 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-April 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]	**1,100,937**	**– –**	**– –**	**153,972**	**146,094**	**79,285**	**1,622**	**1,000,476**	**478,190**	**0**	**616,538**
Hydrocarbon Gas Liquids	**448,147**	**-60**	**47,728**	**9**	**107,871**	**– –**	**-8,455**	**50,730**	**257,847**	**303,574**	**130,600**
Natural Gas Liquids	448,147	-60	24,988	9	105,870	– –	-8,257	50,730	257,847	278,634	129,556
Ethane	202,656	– –	654	–	64,937	– –	1,853	– –	42,825	223,569	47,308
Propane	132,639	– –	18,295	–	35,940	– –	-3,593	– –	165,814	24,653	39,219
Normal Butane	31,403	–	6,943	9	15,987	– –	-4,202	16,968	48,165	-6,589	22,504
Isobutane	37,450	–	-904	–	3,594	– –	97	16,945	457	22,642	9,407
Natural Gasoline	43,999	-60	– –	–	-14,588	– –	-2,412	16,817	587	14,360	11,118
Refinery Olefins	– –	– –	22,740	–	2,002	– –	-198	– –	– –	24,940	1,044
Ethylene	– –	– –	8	–	–	– –	0	– –	– –	8	–
Propylene	– –	– –	23,328	–	2,002	– –	32	– –	– –	25,298	837
Normal Butylene	– –	– –	-596	–	–	– –	-230	– –	– –	-366	207
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**16,563**	**– –**	**62,256**	**-230,252**	**4,505**	**8,181**	**-209,354**	**36,037**	**18,208**	**135,499**
Hydrogen/Biofuels/Other Hydrocarbons	– –	16,563	– –	1,049	19,806	13,970	499	32,509	7,043	11,338	6,552
Hydrogen	– –	– –	– –	–	– –	13,604	– –	13,604	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	16,563	– –	1,034	19,806	381	499	18,905	7,043	11,338	6,552
Fuel Ethanol	– –	2,602	– –	–	21,007	381	-66	17,627	6,429	0	4,420
Biofuels (excluding Fuel Ethanol)[7]	– –	13,961	– –	1,034	-1,201	– –	565	1,278	613	11,338	2,132
Other Hydrocarbons	– –	– –	– –	15	–	-15	–	–	–	0	–
Unfinished Oils	– –	– –	– –	55,057	2,301	– –	1,276	26,188	22,985	6,909	48,920
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	6,150	-252,359	-9,465	6,405	-268,089	6,010	0	79,993
Reformulated	– –	–	– –	292	-36,784	19,638	2,067	-19,093	172	0	11,053
Conventional	– –	–	– –	5,858	-215,575	-29,102	4,338	-248,996	5,839	0	68,940
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	1	38	–	-39	34
Finished Petroleum Products	**– –**	**9**	**860,324**	**16,094**	**-176,856**	**9,084**	**5,240**	**– –**	**294,784**	**408,631**	**103,206**
Finished Motor Gasoline	– –	0	260,212	54	-8,615	9,084	-906	– –	93,027	168,614	6,862
Reformulated	– –	–	55,209	–	–	-15,811	–	– –	–	39,398	–
Conventional	– –	0	205,003	54	-8,615	24,895	-906	– –	93,027	129,216	6,862
Finished Aviation Gasoline	– –	– –	888	–	-408	– –	-9	– –	–	489	542
Kerosene-Type Jet Fuel	– –	–	102,342	–	-61,529	– –	2,818	– –	17,153	20,842	12,413
Kerosene	– –	–	721	–	-596	– –	36	– –	575	-486	445
Distillate Fuel Oil	– –	9	331,262	833	-110,923	– –	1,715	– –	107,035	112,431	40,274
15 ppm sulfur and under	– –	9	308,272	833	-109,466	– –	1,152	– –	91,137	107,359	33,864
Greater than 15 ppm to 500 ppm sulfur	– –	0	11,333	–	-289	– –	-87	– –	10,126	1,005	1,044
Greater than 500 ppm sulfur	– –	–	11,657	–	-1,168	– –	650	– –	5,773	4,066	5,366
Residual Fuel Oil	– –	– –	16,658	6,976	3,374	– –	1,547	– –	12,152	13,309	20,187
Less than 0.31 percent sulfur	– –	– –	4,374	65	340	– –	91	– –	NA	NA	1,632
0.31 to 1.00 percent sulfur	– –	– –	4,273	1,065	946	– –	1,648	– –	NA	NA	5,875
Greater than 1.00 percent sulfur	– –	– –	8,011	5,846	2,088	– –	-192	– –	NA	NA	12,680
Petrochemical Feedstocks	– –	– –	23,581	1,132	293	– –	224	– –	3,846	20,936	2,084
Naphtha for Petro. Feed. Use	– –	– –	13,742	692	230	– –	176	– –	–	14,488	1,566
Other Oils for Petro. Feed. Use	– –	– –	9,839	440	63	– –	48	– –	3,846	6,448	518
Special Naphthas	– –	– –	3,437	1,843	-117	– –	64	– –	–	5,099	830
Lubricants	– –	– –	13,659	4,102	-2,748	– –	-674	– –	10,007	5,680	9,384
Waxes	– –	– –	435	28	–	– –	-74	– –	82	455	259
Petroleum Coke	– –	– –	52,820	1,126	4,353	– –	676	– –	48,858	8,765	3,570
Marketable	– –	– –	41,167	1,126	4,353	– –	676	– –	48,858	-2,888	3,570
Catalyst	– –	– –	11,653	– –	– –	– –	– –	– –	– –	11,653	– –
Asphalt and Road Oil	– –	– –	8,182	–	96	– –	-62	– –	1,792	6,548	5,868
Still Gas	– –	– –	40,069	– –	– –	– –	– –	– –	– –	40,069	– –
Miscellaneous Products	– –	– –	6,058	–	-36	– –	-115	– –	257	5,880	488
Total	**1,549,084**	**16,513**	**908,052**	**232,331**	**-153,142**	**92,874**	**6,588**	**841,852**	**1,066,858**	**730,413**	**985,844**

– – = 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, April 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]	**9,141**	**– –**	**– –**	**1,210**	**1,271**	**512**	**-548**	**8,718**	**3,963**	**0**
Hydrocarbon Gas Liquids	**3,905**	**-1**	**508**	**–**	**1,061**	**– –**	**298**	**347**	**2,067**	**2,762**
Natural Gas Liquids	3,905	-1	304	–	1,041	– –	304	347	2,067	2,531
Ethane	1,785	– –	5	–	615	– –	67	– –	379	1,959
Propane	1,137	– –	159	–	344	– –	86	– –	1,284	270
Normal Butane	285	–	149	–	154	– –	142	54	398	-5
Isobutane	308	–	-10	–	35	– –	23	147	3	160
Natural Gasoline	390	-1	– –	–	-108	– –	-13	146	2	147
Refinery Olefins	– –	– –	205	–	20	– –	-6	– –	– –	231
Ethylene	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	205	–	20	– –	1	– –	– –	224
Normal Butylene	– –	– –	0	–	–	– –	-8	– –	– –	7
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**146**	**– –**	**581**	**-1,905**	**81**	**110**	**-1,692**	**343**	**142**
Hydrogen/Biofuels/Other Hydrocarbons	– –	146	– –	12	178	125	-14	280	79	116
Hydrogen	– –	– –	– –	–	– –	121	– –	121	– –	0
Biofuels (including Fuel Ethanol)	– –	146	– –	12	178	4	-14	159	79	116
Fuel Ethanol	– –	22	– –	–	188	4	2	151	60	0
Biofuels (excluding Fuel Ethanol)[7]	– –	124	– –	12	-10	– –	-16	8	19	116
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	501	-2	– –	62	180	230	27
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	68	-2,081	-44	61	-2,152	34	0
Reformulated	– –	–	– –	–	-348	33	6	-324	2	0
Conventional	– –	–	– –	68	-1,732	-77	55	-1,828	32	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	1	0	–	0
Finished Petroleum Products	**– –**	**0**	**7,405**	**142**	**-1,515**	**40**	**137**	**– –**	**2,264**	**3,671**
Finished Motor Gasoline	– –	0	2,203	2	-92	40	30	– –	693	1,429
Reformulated	– –	–	475	–	–	6	–	– –	–	481
Conventional	– –	0	1,728	2	-92	34	30	– –	693	949
Finished Aviation Gasoline	– –	– –	8	–	-2	– –	0	– –	–	6
Kerosene-Type Jet Fuel	– –	–	858	–	-560	– –	3	– –	93	202
Kerosene	– –	–	6	–	–	– –	-3	– –	1	8
Distillate Fuel Oil	– –	0	2,886	10	-901	– –	61	– –	900	1,033
15 ppm sulfur and under	– –	0	2,683	10	-890	– –	41	– –	776	986
Greater than 15 ppm to 500 ppm sulfur	– –	0	123	–	-2	– –	-4	– –	78	47
Greater than 500 ppm sulfur	– –	–	80	–	-8	– –	24	– –	47	1
Residual Fuel Oil	– –	– –	162	48	27	– –	44	– –	97	95
Less than 0.31 percent sulfur	– –	– –	38	–	3	– –	6	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	35	17	8	– –	23	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	90	31	16	– –	15	– –	NA	NA
Petrochemical Feedstocks	– –	– –	217	13	4	– –	-6	– –	29	212
Naphtha for Petro. Feed. Use	– –	– –	113	9	3	– –	-4	– –	–	130
Other Oils for Petro. Feed. Use	– –	– –	104	4	1	– –	-2	– –	29	82
Special Naphthas	– –	– –	28	21	-1	– –	2	– –	–	45
Lubricants	– –	– –	122	44	-22	– –	5	– –	90	49
Waxes	– –	– –	4	0	–	– –	0	– –	1	3
Petroleum Coke	– –	– –	448	4	32	– –	13	– –	342	130
Marketable	– –	– –	347	4	32	– –	13	– –	342	28
Catalyst	– –	– –	102	– –	– –	– –	– –	– –	– –	102
Asphalt and Road Oil	– –	– –	64	–	0	– –	-13	– –	16	62
Still Gas	– –	– –	349	– –	– –	– –	– –	– –	– –	349
Miscellaneous Products	– –	– –	51	–	0	– –	0	– –	2	48
Total	**13,046**	**145**	**7,913**	**1,933**	**-1,087**	**633**	**-3**	**7,373**	**8,637**	**6,576**

– – = 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-April 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]	**9,174**	**– –**	**– –**	**1,283**	**1,217**	**661**	**14**	**8,337**	**3,985**	**0**
Hydrocarbon Gas Liquids	**3,735**	**0**	**398**	**0**	**899**	**– –**	**-70**	**423**	**2,149**	**2,530**
Natural Gas Liquids	3,735	0	208	0	882	– –	-69	423	2,149	2,322
Ethane	1,689	– –	5	–	541	– –	15	– –	357	1,863
Propane	1,105	– –	152	–	299	– –	-30	– –	1,382	205
Normal Butane	262	–	58	0	133	– –	-35	141	401	-55
Isobutane	312	–	-8	–	30	– –	1	141	4	189
Natural Gasoline	367	0	– –	–	-122	– –	-20	140	5	120
Refinery Olefins	– –	– –	190	–	17	– –	-2	– –	– –	208
Ethylene	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	194	–	17	– –	0	– –	– –	211
Normal Butylene	– –	– –	-5	–	–	– –	-2	– –	– –	-3
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**138**	**– –**	**519**	**-1,919**	**38**	**68**	**-1,745**	**300**	**152**
Hydrogen/Biofuels/Other Hydrocarbons	– –	138	– –	9	165	116	4	271	59	94
Hydrogen	– –	– –	– –	–	– –	113	– –	113	– –	0
Biofuels (including Fuel Ethanol)	– –	138	– –	9	165	3	4	158	59	94
Fuel Ethanol	– –	22	– –	–	175	3	-1	147	54	0
Biofuels (excluding Fuel Ethanol)[7]	– –	116	– –	9	-10	– –	5	11	5	94
Other Hydrocarbons	– –	– –	– –	0	–	0	–	–	–	0
Unfinished Oils	– –	– –	– –	459	19	– –	11	218	192	58
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	51	-2,103	-79	53	-2,234	50	0
Reformulated	– –	–	– –	2	-307	164	17	-159	1	0
Conventional	– –	–	– –	49	-1,796	-243	36	-2,075	49	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	0	0	–	0
Finished Petroleum Products	**– –**	**0**	**7,169**	**134**	**-1,474**	**76**	**44**	**– –**	**2,457**	**3,405**
Finished Motor Gasoline	– –	0	2,168	0	-72	76	-8	– –	775	1,405
Reformulated	– –	–	460	–	–	-132	–	– –	–	328
Conventional	– –	0	1,708	0	-72	207	-8	– –	775	1,077
Finished Aviation Gasoline	– –	– –	7	–	-3	– –	0	– –	–	4
Kerosene-Type Jet Fuel	– –	–	853	–	-513	– –	23	– –	143	174
Kerosene	– –	–	6	–	-5	– –	0	– –	5	-4
Distillate Fuel Oil	– –	0	2,761	7	-924	– –	14	– –	892	937
15 ppm sulfur and under	– –	0	2,569	7	-912	– –	10	– –	759	895
Greater than 15 ppm to 500 ppm sulfur	– –	0	94	–	-2	– –	-1	– –	84	8
Greater than 500 ppm sulfur	– –	–	97	–	-10	– –	5	– –	48	34
Residual Fuel Oil	– –	– –	139	58	28	– –	13	– –	101	111
Less than 0.31 percent sulfur	– –	– –	36	1	3	– –	1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	36	9	8	– –	14	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	67	49	17	– –	-2	– –	NA	NA
Petrochemical Feedstocks	– –	– –	197	9	2	– –	2	– –	32	174
Naphtha for Petro. Feed. Use	– –	– –	115	6	2	– –	1	– –	–	121
Other Oils for Petro. Feed. Use	– –	– –	82	4	1	– –	0	– –	32	54
Special Naphthas	– –	– –	29	15	-1	– –	1	– –	–	42
Lubricants	– –	– –	114	34	-23	– –	-6	– –	83	47
Waxes	– –	– –	4	0	–	– –	-1	– –	1	4
Petroleum Coke	– –	– –	440	9	36	– –	6	– –	407	73
Marketable	– –	– –	343	9	36	– –	6	– –	407	-24
Catalyst	– –	– –	97	– –	– –	– –	– –	– –	– –	97
Asphalt and Road Oil	– –	– –	68	–	1	– –	-1	– –	15	55
Still Gas	– –	– –	334	– –	– –	– –	– –	– –	– –	334
Miscellaneous Products	– –	– –	50	–	0	– –	-1	– –	2	49
Total	**12,909**	**138**	**7,567**	**1,936**	**-1,276**	**774**	**55**	**7,015**	**8,890**	**6,087**

– – = 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, April 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	**27,199**	**– –**	**– –**	**10,417**	**-19,540**	**-2,505**	**175**	**15,397**	**–**	**0**	**25,974**
Hydrocarbon Gas Liquids	**15,714**	**-9**	**457**	**472**	**-14,326**	**– –**	**616**	**485**	**2**	**1,205**	**6,057**
Natural Gas Liquids	15,714	-9	291	472	-14,326	– –	599	485	2	1,056	5,949
Ethane	4,825	– –	–	–	-4,832	– –	5	– –	–	-12	1,162
Propane	5,604	– –	199	472	-4,870	– –	137	– –	2	1,266	1,963
Normal Butane	2,210	–	143	–	-1,981	– –	470	157	–	-255	1,628
Isobutane	970	–	-51	–	-917	– –	-3	159	–	-154	434
Natural Gasoline	2,105	-9	– –	–	-1,727	– –	-10	169	–	210	762
Refinery Olefins	– –	– –	166	–	–	– –	17	– –	– –	149	108
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	33	–	–	– –	0	– –	– –	33	3
Normal Butylene	– –	– –	133	–	–	– –	17	– –	– –	116	105
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**885**	**– –**	**84**	**1,154**	**539**	**-134**	**2,261**	**49**	**487**	**10,166**
Hydrogen/Biofuels/Other Hydrocarbons	– –	885	– –	14	374	369	84	1,107	49	404	713
Hydrogen	– –	– –	– –	–	– –	186	– –	186	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	885	– –	14	374	183	84	921	49	404	713
Fuel Ethanol	– –	379	– –	–	361	183	10	873	41	0	371
Biofuels (excluding Fuel Ethanol)[6]	– –	506	– –	14	13	– –	74	48	7	404	342
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	-46	-37	0	83	3,160
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	70	780	169	-172	1,191	0	0	6,293
Reformulated	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	–	– –	70	780	169	-172	1,191	0	0	6,293
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**-1**	**18,394**	**221**	**176**	**-353**	**-363**	**– –**	**21**	**18,781**	**8,688**
Finished Motor Gasoline	– –	–	9,883	–	-125	-353	-377	– –	1	9,782	1,002
Reformulated	– –	–	–	–	–	–	0	– –	–	0	–
Conventional	– –	–	9,883	–	-125	-353	-377	– –	1	9,782	1,001
Finished Aviation Gasoline	– –	– –	3	–	–	– –	0	– –	–	3	9
Kerosene-Type Jet Fuel	– –	–	946	48	817	– –	169	– –	–	1,642	797
Kerosene	– –	–	–	–	–	– –	0	– –	–	0	1
Distillate Fuel Oil	– –	-1	5,172	102	70	– –	-303	– –	–	5,647	3,756
15 ppm sulfur and under	– –	-1	5,189	102	70	– –	-284	– –	–	5,645	3,586
Greater than 15 ppm to 500 ppm sulfur	– –	–	8	–	–	– –	7	– –	–	1	143
Greater than 500 ppm sulfur	– –	–	-25	–	–	– –	-26	– –	–	1	27
Residual Fuel Oil	– –	– –	308	–	–	– –	10	– –	–	298	239
Less than 0.31 percent sulfur	– –	– –	127	–	–	– –	2	– –	NA	NA	27
0.31 to 1.00 percent sulfur	– –	– –	24	–	–	– –	3	– –	NA	NA	8
Greater than 1.00 percent sulfur	– –	– –	157	–	–	– –	5	– –	NA	NA	204
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Special Naphthas	– –	– –	–	–	–	– –	–	– –	–	–	–
Lubricants	– –	– –	–	–	–	– –	–	– –	19	-19	–
Waxes	– –	– –	–	–	–	– –	–	– –	0	0	–
Petroleum Coke	– –	– –	649	–	-341	– –	-1	– –	–	309	131
Marketable	– –	– –	444	–	-341	– –	-1	– –	–	104	131
Catalyst	– –	– –	205	– –	– –	– –	– –	– –	– –	205	– –
Asphalt and Road Oil	– –	– –	737	71	-244	– –	131	– –	1	432	2,731
Still Gas	– –	– –	601	– –	– –	– –	– –	– –	– –	601	– –
Miscellaneous Products	– –	– –	95	–	–	– –	8	– –	–	87	22
Total	**42,913**	**876**	**18,851**	**11,194**	**-32,535**	**-2,319**	**293**	**18,143**	**72**	**20,473**	**50,885**

– – = 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-April 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	**105,872**	**– –**	**– –**	**48,609**	**-82,525**	**-9,026**	**1,553**	**61,377**	**–**	**0**	**25,974**
Hydrocarbon Gas Liquids	**59,284**	**-31**	**868**	**3,234**	**-54,602**	**– –**	**-62**	**2,118**	**27**	**6,670**	**6,057**
Natural Gas Liquids	59,284	-31	590	3,233	-54,602	– –	-92	2,118	27	6,421	5,949
Ethane	17,855	– –	–	–	-17,704	– –	126	– –	0	25	1,162
Propane	21,274	– –	717	3,130	-18,835	– –	-434	– –	5	6,715	1,963
Normal Butane	8,399	–	-35	99	-7,875	– –	217	836	0	-466	1,628
Isobutane	3,728	–	-92	–	-3,480	– –	9	598	–	-451	434
Natural Gasoline	8,028	-31	– –	4	-6,708	– –	-10	684	21	598	762
Refinery Olefins	– –	– –	278	1	–	– –	30	– –	– –	249	108
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	78	1	–	– –	-7	– –	– –	86	3
Normal Butylene	– –	– –	200	–	–	– –	37	– –	– –	163	105
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**3,004**	**– –**	**498**	**4,702**	**1,001**	**460**	**6,499**	**139**	**2,106**	**10,166**
Hydrogen/Biofuels/Other Hydrocarbons	– –	3,004	– –	48	1,719	1,243	133	4,211	137	1,533	713
Hydrogen	– –	– –	– –	–	– –	748	– –	748	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	3,004	– –	48	1,719	495	133	3,463	137	1,533	713
Fuel Ethanol	– –	1,286	– –	–	1,656	495	29	3,279	130	0	371
Biofuels (excluding Fuel Ethanol)[6]	– –	1,717	– –	48	63	– –	104	184	7	1,533	342
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	165	-739	0	574	3,160
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	450	2,983	-242	162	3,027	2	0	6,293
Reformulated	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	–	– –	450	2,983	-242	162	3,027	2	0	6,293
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**-3**	**72,304**	**715**	**298**	**-253**	**747**	**– –**	**76**	**72,238**	**8,688**
Finished Motor Gasoline	– –	–	37,780	–	-920	-253	-284	– –	3	36,889	1,002
Reformulated	– –	–	–	–	–	–	1	– –	–	-1	–
Conventional	– –	–	37,780	–	-920	-253	-285	– –	3	36,890	1,001
Finished Aviation Gasoline	– –	– –	15	–	–	– –	0	– –	–	15	9
Kerosene-Type Jet Fuel	– –	–	3,412	178	3,474	– –	42	– –	–	7,022	797
Kerosene	– –	–	–	–	–	– –	-1	– –	–	1	1
Distillate Fuel Oil	– –	-3	21,273	187	316	– –	61	– –	0	21,712	3,756
15 ppm sulfur and under	– –	-3	21,134	187	316	– –	87	– –	0	21,547	3,586
Greater than 15 ppm to 500 ppm sulfur	– –	–	160	–	–	– –	-5	– –	–	165	143
Greater than 500 ppm sulfur	– –	–	-21	–	–	– –	-21	– –	–	0	27
Residual Fuel Oil	– –	– –	1,258	15	–	– –	29	– –	–	1,244	239
Less than 0.31 percent sulfur	– –	– –	620	11	–	– –	1	– –	NA	NA	27
0.31 to 1.00 percent sulfur	– –	– –	95	4	–	– –	4	– –	NA	NA	8
Greater than 1.00 percent sulfur	– –	– –	543	–	–	– –	24	– –	NA	NA	204
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Special Naphthas	– –	– –	–	1	–	– –	–	– –	–	1	–
Lubricants	– –	– –	–	–	–	– –	–	– –	66	-66	–
Waxes	– –	– –	–	–	–	– –	–	– –	1	-1	–
Petroleum Coke	– –	– –	2,770	–	-1,251	– –	34	– –	0	1,485	131
Marketable	– –	– –	1,983	–	-1,251	– –	34	– –	0	698	131
Catalyst	– –	– –	787	– –	– –	– –	– –	– –	– –	787	– –
Asphalt and Road Oil	– –	– –	2,926	334	-1,321	– –	860	– –	6	1,073	2,731
Still Gas	– –	– –	2,474	– –	– –	– –	– –	– –	– –	2,474	– –
Miscellaneous Products	– –	– –	396	–	–	– –	6	– –	–	390	22
Total	**165,156**	**2,970**	**73,172**	**53,056**	**-132,128**	**-8,278**	**2,698**	**69,994**	**242**	**81,015**	**50,885**

– – = 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, April 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	**907**	**– –**	**– –**	**347**	**-651**	**-83**	**6**	**513**	**–**	**0**
Hydrocarbon Gas Liquids	**524**	**0**	**15**	**16**	**-478**	**– –**	**21**	**16**	**0**	**40**
Natural Gas Liquids	524	0	10	16	-478	– –	20	16	0	35
Ethane	161	– –	–	–	-161	– –	0	– –	–	0
Propane	187	– –	7	16	-162	– –	5	– –	0	42
Normal Butane	74	–	5	–	-66	– –	16	5	–	-8
Isobutane	32	–	-2	–	-31	– –	0	5	–	-5
Natural Gasoline	70	0	– –	–	-58	– –	0	6	–	7
Refinery Olefins	– –	– –	6	–	–	– –	1	– –	– –	5
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	1	–	–	– –	0	– –	– –	1
Normal Butylene	– –	– –	4	–	–	– –	1	– –	– –	4
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**30**	**– –**	**3**	**38**	**18**	**-4**	**75**	**2**	**16**
Hydrogen/Biofuels/Other Hydrocarbons	– –	30	– –	0	12	12	3	37	2	13
Hydrogen	– –	– –	– –	–	– –	6	– –	6	– –	0
Biofuels (including Fuel Ethanol)	– –	30	– –	0	12	6	3	31	2	13
Fuel Ethanol	– –	13	– –	–	12	6	0	29	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	17	– –	0	0	– –	2	2	0	13
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	-2	-1	0	3
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	2	26	6	-6	40	0	0
Reformulated	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	–	– –	2	26	6	-6	40	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**613**	**7**	**6**	**-12**	**-12**	**– –**	**1**	**626**
Finished Motor Gasoline	– –	–	329	–	-4	-12	-13	– –	0	326
Reformulated	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	–	329	–	-4	-12	-13	– –	0	326
Finished Aviation Gasoline	– –	– –	0	–	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	–	32	2	27	– –	6	– –	–	55
Kerosene	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	0	172	3	2	– –	-10	– –	–	188
15 ppm sulfur and under	– –	0	173	3	2	– –	-9	– –	–	188
Greater than 15 ppm to 500 ppm sulfur	– –	–	0	–	–	– –	0	– –	–	0
Greater than 500 ppm sulfur	– –	–	-1	–	–	– –	-1	– –	–	0
Residual Fuel Oil	– –	– –	10	–	–	– –	0	– –	–	10
Less than 0.31 percent sulfur	– –	– –	4	–	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	1	–	–	– –	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	– –	– –	–	–	–	– –	–	– –	–	–
Lubricants	– –	– –	–	–	–	– –	–	– –	1	-1
Waxes	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	22	–	-11	– –	0	– –	–	10
Marketable	– –	– –	15	–	-11	– –	0	– –	–	3
Catalyst	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	25	2	-8	– –	4	– –	0	14
Still Gas	– –	– –	20	– –	– –	– –	– –	– –	– –	20
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	–	3
Total	**1,430**	**29**	**628**	**373**	**-1,085**	**-77**	**10**	**605**	**2**	**682**

– – = 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-April 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	**882**	**– –**	**– –**	**405**	**-688**	**-75**	**13**	**511**	**–**	**0**
Hydrocarbon Gas Liquids	**494**	**0**	**7**	**27**	**-455**	**– –**	**-1**	**18**	**0**	**56**
Natural Gas Liquids	494	0	5	27	-455	– –	-1	18	0	54
Ethane	149	– –	–	–	-148	– –	1	– –	0	0
Propane	177	– –	6	26	-157	– –	-4	– –	0	56
Normal Butane	70	–	0	1	-66	– –	2	7	0	-4
Isobutane	31	–	-1	–	-29	– –	0	5	–	-4
Natural Gasoline	67	0	– –	0	-56	– –	0	6	0	5
Refinery Olefins	– –	– –	2	0	–	– –	0	– –	– –	2
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	1	0	–	– –	0	– –	– –	1
Normal Butylene	– –	– –	2	–	–	– –	0	– –	– –	1
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**25**	**– –**	**4**	**39**	**8**	**4**	**54**	**1**	**18**
Hydrogen/Biofuels/Other Hydrocarbons	– –	25	– –	0	14	10	1	35	1	13
Hydrogen	– –	– –	– –	–	– –	6	– –	6	– –	0
Biofuels (including Fuel Ethanol)	– –	25	– –	0	14	4	1	29	1	13
Fuel Ethanol	– –	11	– –	–	14	4	0	27	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	14	– –	0	1	– –	1	2	0	13
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	1	-6	0	5
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	4	25	-2	1	25	0	0
Reformulated	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	–	– –	4	25	-2	1	25	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**603**	**6**	**2**	**-2**	**6**	**– –**	**1**	**602**
Finished Motor Gasoline	– –	–	315	–	-8	-2	-2	– –	0	307
Reformulated	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	–	315	–	-8	-2	-2	– –	0	307
Finished Aviation Gasoline	– –	– –	0	–	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	–	28	1	29	– –	0	– –	–	59
Kerosene	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	0	177	2	3	– –	1	– –	0	181
15 ppm sulfur and under	– –	0	176	2	3	– –	1	– –	0	180
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	– –	– –	23	–	-10	– –	0	– –	0	12
Marketable	– –	– –	17	–	-10	– –	0	– –	0	6
Catalyst	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	24	3	-11	– –	7	– –	0	9
Still Gas	– –	– –	21	– –	– –	– –	– –	– –	– –	21
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	–	3
Total	**1,376**	**25**	**610**	**442**	**-1,101**	**-69**	**22**	**583**	**2**	**675**

– – = 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, April 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	**22,554**	**– –**	**– –**	**38,753**	**3,775**	**-453**	**2,768**	**61,861**	**–**	**0**	**52,170**
Hydrocarbon Gas Liquids	**1,985**	**-3**	**2,205**	**1,390**	**677**	**– –**	**360**	**2,156**	**1,905**	**1,832**	**2,856**
Natural Gas Liquids	1,985	-3	2,051	1,390	677	– –	344	2,156	1,905	1,694	2,806
Ethane	1	– –	–	–	–	– –	–	– –	–	1	–
Propane	210	– –	955	834	456	– –	264	– –	995	1,196	680
Normal Butane	549	–	1,007	556	151	– –	63	577	883	740	1,655
Isobutane	213	–	89	–	70	– –	-1	631	3	-262	427
Natural Gasoline	1,012	-3	– –	–	–	– –	18	948	24	19	44
Refinery Olefins	– –	– –	154	–	–	– –	16	– –	– –	138	50
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	187	–	–	– –	-1	– –	– –	188	15
Normal Butylene	– –	– –	-33	–	–	– –	17	– –	– –	-50	35
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**1,263**	**– –**	**4,222**	**8,555**	**1,057**	**-822**	**12,539**	**1,223**	**2,157**	**54,823**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,263	– –	564	4,996	1,563	392	6,445	183	1,366	6,076
Hydrogen	– –	– –	– –	–	– –	1,309	– –	1,309	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	1,263	– –	564	4,996	254	392	5,136	183	1,366	6,076
Fuel Ethanol	– –	91	– –	–	4,186	254	-80	4,481	130	0	2,261
Biofuels (excluding Fuel Ethanol)[6]	– –	1,172	– –	564	810	– –	472	655	53	1,366	3,815
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	1,792	-85	– –	-550	622	844	791	20,300
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	1,866	3,644	-505	-664	5,472	197	0	28,448
Reformulated	– –	0	– –	319	1,189	357	-287	2,152	–	0	13,347
Conventional	– –	0	– –	1,547	2,455	-862	-377	3,320	197	0	15,100
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**41**	**80,154**	**3,990**	**1,467**	**252**	**-1,746**	**– –**	**8,930**	**78,721**	**33,760**
Finished Motor Gasoline	– –	36	43,912	1,188	101	252	-48	– –	756	44,780	1,992
Reformulated	– –	–	30,704	–	–	-698	4	– –	–	30,002	20
Conventional	– –	36	13,208	1,188	101	950	-52	– –	756	14,778	1,972
Finished Aviation Gasoline	– –	– –	-11	2	–	– –	19	– –	–	-28	240
Kerosene-Type Jet Fuel	– –	7	12,465	2,056	111	– –	-228	– –	483	14,384	9,130
Kerosene	– –	–	-2	–	–	– –	-2	– –	0	0	7
Distillate Fuel Oil	– –	-2	13,232	164	846	– –	-1,093	– –	3,398	11,935	12,323
15 ppm sulfur and under	– –	-2	12,688	164	846	– –	-826	– –	3,359	11,163	11,498
Greater than 15 ppm to 500 ppm sulfur	– –	–	166	–	–	– –	-181	– –	19	328	208
Greater than 500 ppm sulfur	– –	–	378	–	–	– –	-86	– –	20	444	617
Residual Fuel Oil	– –	– –	1,750	452	–	– –	-388	– –	671	1,919	4,321
Less than 0.31 percent sulfur	– –	– –	41	313	–	– –	-13	– –	NA	NA	1,069
0.31 to 1.00 percent sulfur	– –	– –	697	139	–	– –	41	– –	NA	NA	782
Greater than 1.00 percent sulfur	– –	– –	1,012	–	–	– –	-416	– –	NA	NA	2,470
Petrochemical Feedstocks	– –	– –	140	28	–	– –	–	– –	–	168	–
Naphtha for Petro. Feed. Use	– –	– –	–	28	–	– –	–	– –	–	28	–
Other Oils for Petro. Feed. Use	– –	– –	140	–	–	– –	–	– –	–	140	–
Special Naphthas	– –	– –	36	17	–	– –	-38	– –	–	91	17
Lubricants	– –	– –	411	6	8	– –	153	– –	89	183	1,325
Waxes	– –	– –	–	8	–	– –	–	– –	4	4	–
Petroleum Coke	– –	– –	3,799	–	18	– –	-131	– –	3,507	441	1,113
Marketable	– –	– –	2,958	–	18	– –	-131	– –	3,507	-400	1,113
Catalyst	– –	– –	841	– –	– –	– –	– –	– –	– –	841	– –
Asphalt and Road Oil	– –	– –	789	69	383	– –	18	– –	22	1,201	3,234
Still Gas	– –	– –	3,237	– –	– –	– –	– –	– –	– –	3,237	– –
Miscellaneous Products	– –	– –	396	–	–	– –	-9	– –	–	405	58
Total	**24,539**	**1,302**	**82,359**	**48,355**	**14,474**	**856**	**560**	**76,556**	**12,059**	**82,710**	**143,610**

– – = 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-April 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	**90,626**	**– –**	**– –**	**144,556**	**12,701**	**2,424**	**4,168**	**245,085**	**1,053**	**0**	**52,170**
Hydrocarbon Gas Liquids	**8,269**	**-12**	**4,952**	**6,574**	**4,317**	**– –**	**-1,000**	**9,765**	**7,139**	**8,196**	**2,856**
Natural Gas Liquids	8,269	-12	4,351	6,574	4,317	– –	-1,033	9,765	7,139	7,628	2,806
Ethane	4	– –	–	–	–	– –	–	– –	–	4	–
Propane	891	– –	3,352	4,429	1,828	– –	-800	– –	4,063	7,237	680
Normal Butane	2,312	–	563	2,134	2,041	– –	-378	3,049	2,996	1,383	1,655
Isobutane	854	–	436	11	448	– –	123	2,737	8	-1,118	427
Natural Gasoline	4,208	-12	– –	–	–	– –	22	3,979	72	123	44
Refinery Olefins	– –	– –	601	–	–	– –	33	– –	– –	568	50
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	677	–	–	– –	1	– –	– –	676	15
Normal Butylene	– –	– –	-76	–	–	– –	32	– –	– –	-108	35
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**4,401**	**– –**	**14,766**	**36,828**	**381**	**281**	**46,330**	**2,645**	**7,119**	**54,823**
Hydrogen/Biofuels/Other Hydrocarbons	– –	4,402	– –	2,806	19,732	6,319	361	25,405	1,031	6,463	6,076
Hydrogen	– –	– –	– –	–	– –	4,968	– –	4,968	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	4,402	– –	2,806	19,732	1,351	361	20,437	1,031	6,463	6,076
Fuel Ethanol	– –	332	– –	–	16,209	1,351	-307	17,370	829	0	2,261
Biofuels (excluding Fuel Ethanol)[6]	– –	4,071	– –	2,806	3,523	– –	667	3,067	202	6,463	3,815
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	5,631	-155	– –	1,824	2,070	925	657	20,300
Motor Gasoline Blend.Comp. (MGBC)	– –	-1	– –	6,329	17,251	-5,939	-1,904	18,855	689	0	28,448
Reformulated	– –	0	– –	777	6,431	915	-2,006	10,126	3	0	13,347
Conventional	– –	-1	– –	5,552	10,820	-6,854	102	8,729	686	0	15,100
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**211**	**315,606**	**17,608**	**7,211**	**4,587**	**-873**	**– –**	**35,809**	**310,287**	**33,760**
Finished Motor Gasoline	– –	201	170,043	2,668	321	4,587	-210	– –	3,478	174,552	1,992
Reformulated	– –	–	118,758	–	–	-187	5	– –	–	118,566	20
Conventional	– –	201	51,285	2,668	321	4,774	-215	– –	3,478	55,986	1,972
Finished Aviation Gasoline	– –	– –	0	4	–	– –	-97	– –	–	101	240
Kerosene-Type Jet Fuel	– –	17	49,253	10,738	792	– –	200	– –	2,968	57,631	9,130
Kerosene	– –	–	6	–	–	– –	4	– –	1	1	7
Distillate Fuel Oil	– –	-6	53,835	1,372	4,290	– –	-975	– –	11,329	49,137	12,323
15 ppm sulfur and under	– –	-6	50,953	1,372	4,290	– –	-876	– –	9,296	48,189	11,498
Greater than 15 ppm to 500 ppm sulfur	– –	–	1,157	–	–	– –	-24	– –	526	655	208
Greater than 500 ppm sulfur	– –	–	1,725	–	–	– –	-75	– –	1,507	293	617
Residual Fuel Oil	– –	– –	8,241	2,011	–	– –	-769	– –	3,303	7,718	4,321
Less than 0.31 percent sulfur	– –	– –	189	553	–	– –	368	– –	NA	NA	1,069
0.31 to 1.00 percent sulfur	– –	– –	2,508	1,421	–	– –	-72	– –	NA	NA	782
Greater than 1.00 percent sulfur	– –	– –	5,544	37	–	– –	-1,065	– –	NA	NA	2,470
Petrochemical Feedstocks	– –	– –	178	94	–	– –	–	– –	50	222	–
Naphtha for Petro. Feed. Use	– –	– –	–	94	–	– –	–	– –	–	94	–
Other Oils for Petro. Feed. Use	– –	– –	178	–	–	– –	–	– –	50	128	–
Special Naphthas	– –	– –	97	114	–	– –	-15	– –	–	226	17
Lubricants	– –	– –	1,608	118	-72	– –	298	– –	715	641	1,325
Waxes	– –	– –	–	34	–	– –	–	– –	18	16	–
Petroleum Coke	– –	– –	14,573	–	123	– –	-151	– –	13,848	1,000	1,113
Marketable	– –	– –	11,333	–	123	– –	-151	– –	13,848	-2,240	1,113
Catalyst	– –	– –	3,240	– –	– –	– –	– –	– –	– –	3,240	– –
Asphalt and Road Oil	– –	– –	2,802	455	1,756	– –	861	– –	99	4,053	3,234
Still Gas	– –	– –	13,439	– –	– –	– –	– –	– –	– –	13,439	– –
Miscellaneous Products	– –	– –	1,531	–	–	– –	-20	– –	0	1,551	58
Total	**98,895**	**4,601**	**320,558**	**183,504**	**61,056**	**7,392**	**2,576**	**301,180**	**46,647**	**325,603**	**143,610**

– – = 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, April 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	**752**	**– –**	**– –**	**1,292**	**126**	**-15**	**92**	**2,062**	**–**	**0**
Hydrocarbon Gas Liquids	**66**	**0**	**74**	**46**	**23**	**– –**	**12**	**72**	**64**	**61**
Natural Gas Liquids	66	0	68	46	23	– –	11	72	64	56
Ethane	0	– –	–	–	–	– –	–	– –	–	0
Propane	7	– –	32	28	15	– –	9	– –	33	40
Normal Butane	18	–	34	19	5	– –	2	19	29	25
Isobutane	7	–	3	–	2	– –	0	21	0	-9
Natural Gasoline	34	0	– –	–	–	– –	1	32	1	1
Refinery Olefins	– –	– –	5	–	–	– –	1	– –	– –	5
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	6	–	–	– –	0	– –	– –	6
Normal Butylene	– –	– –	-1	–	–	– –	1	– –	– –	-2
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**42**	**– –**	**141**	**285**	**35**	**-27**	**418**	**41**	**72**
Hydrogen/Biofuels/Other Hydrocarbons	– –	42	– –	19	167	52	13	215	6	46
Hydrogen	– –	– –	– –	–	– –	44	– –	44	– –	0
Biofuels (including Fuel Ethanol)	– –	42	– –	19	167	8	13	171	6	46
Fuel Ethanol	– –	3	– –	–	140	8	-3	149	4	0
Biofuels (excluding Fuel Ethanol)[6]	– –	39	– –	19	27	– –	16	22	2	46
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	60	-3	– –	-18	21	28	26
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	62	121	-17	-22	182	7	0
Reformulated	– –	0	– –	11	40	12	-10	72	–	0
Conventional	– –	0	– –	52	82	-29	-13	111	7	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**1**	**2,672**	**133**	**49**	**8**	**-58**	**– –**	**298**	**2,624**
Finished Motor Gasoline	– –	1	1,464	40	3	8	-2	– –	25	1,493
Reformulated	– –	–	1,023	–	–	-23	0	– –	–	1,000
Conventional	– –	1	440	40	3	32	-2	– –	25	493
Finished Aviation Gasoline	– –	– –	0	0	–	– –	1	– –	–	-1
Kerosene-Type Jet Fuel	– –	0	416	69	4	– –	-8	– –	16	479
Kerosene	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	0	441	5	28	– –	-36	– –	113	398
15 ppm sulfur and under	– –	0	423	5	28	– –	-28	– –	112	372
Greater than 15 ppm to 500 ppm sulfur	– –	–	6	–	–	– –	-6	– –	1	11
Greater than 500 ppm sulfur	– –	–	13	–	–	– –	-3	– –	1	15
Residual Fuel Oil	– –	– –	58	15	–	– –	-13	– –	22	64
Less than 0.31 percent sulfur	– –	– –	1	10	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	23	5	–	– –	1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	34	–	–	– –	-14	– –	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	1	–	– –	-1	– –	–	3
Lubricants	– –	– –	14	0	0	– –	5	– –	3	6
Waxes	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	127	–	1	– –	-4	– –	117	15
Marketable	– –	– –	99	–	1	– –	-4	– –	117	-13
Catalyst	– –	– –	28	– –	– –	– –	– –	– –	– –	28
Asphalt and Road Oil	– –	– –	26	2	13	– –	1	– –	1	40
Still Gas	– –	– –	108	– –	– –	– –	– –	– –	– –	108
Miscellaneous Products	– –	– –	13	–	–	– –	0	– –	–	14
Total	**818**	**43**	**2,745**	**1,612**	**482**	**29**	**19**	**2,552**	**402**	**2,757**

– – = 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-April 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	**755**	**– –**	**– –**	**1,205**	**106**	**20**	**35**	**2,042**	**9**	**0**
Hydrocarbon Gas Liquids	**69**	**0**	**41**	**55**	**36**	**– –**	**-8**	**81**	**59**	**68**
Natural Gas Liquids	69	0	36	55	36	– –	-9	81	59	64
Ethane	0	– –	–	–	–	– –	–	– –	–	0
Propane	7	– –	28	37	15	– –	-7	– –	34	60
Normal Butane	19	–	5	18	17	– –	-3	25	25	12
Isobutane	7	–	4	0	4	– –	1	23	0	-9
Natural Gasoline	35	0	– –	–	–	– –	0	33	1	1
Refinery Olefins	– –	– –	5	–	–	– –	0	– –	– –	5
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	6	–	–	– –	0	– –	– –	6
Normal Butylene	– –	– –	-1	–	–	– –	0	– –	– –	-1
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**37**	**– –**	**123**	**307**	**3**	**2**	**386**	**22**	**59**
Hydrogen/Biofuels/Other Hydrocarbons	– –	37	– –	23	164	53	3	212	9	54
Hydrogen	– –	– –	– –	–	– –	41	– –	41	– –	0
Biofuels (including Fuel Ethanol)	– –	37	– –	23	164	11	3	170	9	54
Fuel Ethanol	– –	3	– –	–	135	11	-3	145	7	0
Biofuels (excluding Fuel Ethanol)[6]	– –	34	– –	23	29	– –	6	26	2	54
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	47	-1	– –	15	17	8	5
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	53	144	-49	-16	157	6	0
Reformulated	– –	0	– –	6	54	8	-17	84	0	0
Conventional	– –	0	– –	46	90	-57	1	73	6	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**2**	**2,630**	**147**	**60**	**38**	**-7**	**– –**	**298**	**2,586**
Finished Motor Gasoline	– –	2	1,417	22	3	38	-2	– –	29	1,455
Reformulated	– –	–	990	–	–	-2	0	– –	–	988
Conventional	– –	2	427	22	3	40	-2	– –	29	467
Finished Aviation Gasoline	– –	– –	0	0	–	– –	-1	– –	–	1
Kerosene-Type Jet Fuel	– –	0	410	89	7	– –	2	– –	25	480
Kerosene	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	0	449	11	36	– –	-8	– –	94	409
15 ppm sulfur and under	– –	0	425	11	36	– –	-7	– –	77	402
Greater than 15 ppm to 500 ppm sulfur	– –	–	10	–	–	– –	0	– –	4	5
Greater than 500 ppm sulfur	– –	–	14	–	–	– –	-1	– –	13	2
Residual Fuel Oil	– –	– –	69	17	–	– –	-6	– –	28	64
Less than 0.31 percent sulfur	– –	– –	2	5	–	– –	3	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	21	12	–	– –	-1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	46	0	–	– –	-9	– –	NA	NA
Petrochemical Feedstocks	– –	– –	1	1	–	– –	–	– –	0	2
Naphtha for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	1	–	–	– –	–	– –	0	1
Special Naphthas	– –	– –	1	1	–	– –	0	– –	–	2
Lubricants	– –	– –	13	1	-1	– –	2	– –	6	5
Waxes	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	121	–	1	– –	-1	– –	115	8
Marketable	– –	– –	94	–	1	– –	-1	– –	115	-19
Catalyst	– –	– –	27	– –	– –	– –	– –	– –	– –	27
Asphalt and Road Oil	– –	– –	23	4	15	– –	7	– –	1	34
Still Gas	– –	– –	112	– –	– –	– –	– –	– –	– –	112
Miscellaneous Products	– –	– –	13	–	–	– –	0	– –	0	13
Total	**824**	**38**	**2,671**	**1,529**	**509**	**62**	**21**	**2,510**	**389**	**2,713**

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

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,967	52,502	274,219	27,199	22,554	378,441	12,615
Alaskan	– –	– –	– –	– –	– –	13,034	434
Lower 48 States	– –	– –	– –	– –	– –	365,407	12,180
Imports (PAD District of Entry)	20,050	80,293	36,308	10,417	38,753	185,821	6,194
Commercial	20,050	80,293	36,308	10,417	38,753	185,821	6,194
Strategic Petroleum Reserve (SPR)	–	–	–	–	–	–	–
Net Receipts	2,348	-24,717	38,134	-19,540	3,775	–	–
Adjustments[1]	214	3,973	15,365	-2,505	-453	16,595	553
Disposition							
Stock Change[2]	1,114	-639	-16,425	175	2,768	-13,007	-434
Commercial	1,114	-639	-8,973	175	2,768	-5,555	-185
SPR	–	–	-7,452	–	–	-7,452	-248
Refinery Inputs	23,465	111,324	261,552	15,397	61,861	473,599	15,787
Exports	0	1,366	118,899	–	–	120,265	4,009
Ending Stocks							
Total	8,147	120,776	616,538	25,974	52,170	823,605	– –
Commercial	8,147	120,776	252,815	25,974	52,170	459,882	– –
Refinery	6,584	13,413	45,258	2,381	22,847	90,483	– –
Tank Farms and Pipelines	1,563	107,363	207,557	23,593	24,290	364,366	– –
Cushing, Oklahoma	– –	33,247	– –	– –	– –	33,247	– –
Lease	– –	– –	– –	– –	– –	– –	– –
Alaskan Crude Oil In-Transit by Water	– –	– –	– –	– –	5,033	5,033	– –
SPR	–	–	363,723	–	–	363,723	– –
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	– –	– –	– –	– –	– –	44.2	– –
Percent of Total Petroleum Stocks (Percent)	– –	– –	– –	– –	– –	22.6	– –
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	20,050	80,293	36,308	10,417	38,753	185,821	6,194
PAD District of Processing	20,051	77,753	42,838	6,010	39,169	185,821	6,194

– – = 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, April 2023
(Thousand Barrels)

PAD District and State	April 2023		January-April 2023	
	Total	Daily Average	Total	Daily Average
PAD District 1	**1,967**	**66**	**8,097**	**67**
Florida	51	2	228	2
New York	22	1	87	1
Pennsylvania	438	15	1,590	13
Virginia	0	0	1	0
West Virginia	1,456	49	6,190	52
PAD District 2	**52,502**	**1,750**	**207,673**	**1,731**
Illinois	543	18	2,279	19
Indiana	120	4	498	4
Kansas	2,300	77	9,152	76
Kentucky	229	8	656	5
Michigan	370	12	1,470	12
Missouri	6	0	23	0
Nebraska	140	5	509	4
North Dakota	33,048	1,102	131,001	1,092
Ohio	2,432	81	9,855	82
Oklahoma	13,214	440	51,864	432
South Dakota	89	3	327	3
Tennessee	11	0	40	0
PAD District 3	**274,219**	**9,141**	**1,100,937**	**9,174**
Alabama	303	10	1,206	10
Arkansas	365	12	1,423	12
Louisiana	2,877	96	11,780	98
Mississippi	1,012	34	4,093	34
New Mexico	55,697	1,857	219,084	1,826
Texas	161,954	5,398	643,142	5,360
Federal Offshore PAD District 3	52,012	1,734	220,209	1,835
PAD District 4	**27,199**	**907**	**105,872**	**882**
Colorado	13,502	450	51,972	433
Idaho	3	0	12	0
Montana	1,936	65	7,856	65
Utah	4,185	139	16,039	134
Wyoming	7,574	252	29,993	250
PAD District 5	**22,554**	**752**	**90,626**	**755**
Alaska	13,034	434	52,921	441
South Alaska	254	8	1,045	9
North Slope	12,780	426	51,876	432
Arizona	0	0	2	0
California	9,328	311	36,977	308
Nevada	22	1	73	1
Federal Offshore PAD District 5	169	6	653	5
U.S. Total	**378,441**	**12,615**	**1,513,205**	**12,610**

¯ = 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, April 2023
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	**8**	**20,395**	**20,403**	**5,511**	**13,333**	**17,108**	**35,952**
Natural Gas Liquids	8	20,395	20,403	5,511	13,333	17,108	35,952
Ethane	–	8,843	8,843	2,146	4,124	7,594	13,864
Propane	3	6,728	6,731	2,144	4,785	5,113	12,042
Normal Butane	5	2,031	2,036	352	2,015	1,740	4,107
Isobutane	–	935	935	546	630	842	2,018
Natural Gasoline	–	1,858	1,858	323	1,779	1,819	3,921

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	**93,267**	**5,148**	**5,030**	**347**	**13,358**	**117,150**	**15,714**	**1,985**	**191,204**
Natural Gas Liquids	93,267	5,148	5,030	347	13,358	117,150	15,714	1,985	191,204
Ethane	42,871	2,657	2,088	68	5,856	53,540	4,825	1	81,073
Propane	27,180	1,320	1,619	106	3,888	34,113	5,604	210	58,700
Normal Butane	9,712	-3,228	549	49	1,480	8,562	2,210	549	17,464
Isobutane	4,251	3,997	297	36	662	9,243	970	213	13,379
Natural Gasoline	9,253	402	477	88	1,472	11,692	2,105	1,012	20,588

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	**6**	**297**	**303**	**1,014**	**126**	**711**	**1,851**
Natural Gas Liquids	6	297	303	1,014	126	711	1,851
Ethane	–	–	–	33	2	191	226
Propane	3	161	164	540	45	258	843
Normal Butane	3	50	53	160	31	116	307
Isobutane	–	15	15	109	9	51	169
Natural Gasoline	–	71	71	172	39	95	306

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	**235**	**373**	**982**	**5**	**1**	**1,596**	**179**	**274**	**4,203**
Natural Gas Liquids	235	373	982	5	1	1,596	179	274	4,203
Ethane	31	20	–	–	–	51	5	–	282
Propane	71	42	38	2	–	153	81	80	1,321
Normal Butane	13	30	532	2	–	577	37	115	1,089
Isobutane	71	14	167	–	–	252	17	42	495
Natural Gasoline	49	267	245	1	1	563	39	37	1,016

– = 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, April 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	**20,476**	**2,989**	**23,465**	**74,590**	**14,116**	**22,618**	**111,324**
Hydrocarbon Gas Liquids	**878**	**–**	**878**	**1,381**	**208**	**1,003**	**2,592**
Natural Gas Liquids	878	–	878	1,381	208	1,003	2,592
Normal Butane	574	–	574	67	123	175	365
Isobutane	112	–	112	1,112	75	263	1,450
Natural Gasoline	192	–	192	202	10	565	777
Other Liquids	**81,083**	**5,584**	**86,667**	**7,526**	**2,317**	**4,287**	**14,130**
Hydrogen/Biofuels/Other Hydrocarbons	9,564	769	10,333	5,478	1,363	1,917	8,758
Hydrogen	37	2	39	670	184	179	1,033
Biofuels (including Fuel Ethanol)	9,527	767	10,294	4,808	1,179	1,738	7,725
Fuel Ethanol	9,187	662	9,849	4,656	1,010	1,609	7,275
Biodiesel	340	105	445	152	169	90	411
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	39	39
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils (net)	1,407	-103	1,304	-2,641	-542	-313	-3,496
Naphthas and Lighter	226	-47	179	-90	-216	3	-303
Kerosene and Light Gas Oils	-72	–	-72	-1,060	-205	83	-1,182
Heavy Gas Oils	675	-53	622	-1,262	-117	-376	-1,755
Residuum	578	-3	575	-229	-4	-23	-256
Motor Gasoline Blend.Comp. (MGBC)(net)	70,112	4,918	75,030	4,689	1,496	2,683	8,868
Reformulated - RBOB	17,178	–	17,178	484	1,140	824	2,448
Conventional	52,934	4,918	57,852	4,205	356	1,859	6,420
CBOB	41,301	4,935	46,236	4,009	229	2,089	6,327
GTAB	3,048	–	3,048	–	–	–	–
Other	8,585	-17	8,568	196	127	-230	93
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**102,437**	**8,573**	**111,010**	**83,497**	**16,641**	**27,908**	**128,046**

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 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	**18,874**	**142,877**	**92,568**	**5,931**	**1,302**	**261,552**	**15,397**	**61,861**	**473,599**
Hydrocarbon Gas Liquids	**562**	**6,497**	**3,165**	**81**	**105**	**10,410**	**485**	**2,156**	**16,521**
Natural Gas Liquids	562	6,497	3,165	81	105	10,410	485	2,156	16,521
Normal Butane	244	977	346	41	5	1,613	157	577	3,286
Isobutane	275	2,520	1,487	37	100	4,419	159	631	6,771
Natural Gasoline	43	3,000	1,332	3	–	4,378	169	948	6,464
Other Liquids	**10,838**	**-43,451**	**-25,701**	**7,265**	**285**	**-50,764**	**2,261**	**12,539**	**64,833**
Hydrogen/Biofuels/Other Hydrocarbons	2,287	2,858	2,051	1,026	172	8,394	1,107	6,445	35,037
Hydrogen	116	1,928	1,532	33	23	3,632	186	1,309	6,199
Biofuels (including Fuel Ethanol)	2,171	930	519	993	149	4,762	921	5,136	28,838
Fuel Ethanol	2,099	852	479	970	132	4,532	873	4,481	27,010
Biodiesel	72	75	33	23	8	211	28	367	1,462
Renewable Diesel Fuel	–	–	–	–	–	–	–	281	281
Other Biofuels[1]	–	3	7	–	9	19	20	7	85
Other Hydrocarbons	–	–	–	–	–	–	–	–	–
Unfinished Oils (net)	-572	-3,860	10,353	-261	-256	5,404	-37	622	3,797
Naphthas and Lighter	-301	-7,254	502	-90	-158	-7,301	-173	326	-7,272
Kerosene and Light Gas Oils	-81	-402	228	-18	-188	-461	-78	-678	-2,471
Heavy Gas Oils	-281	-434	7,944	-68	90	7,251	208	883	7,209
Residuum	91	4,230	1,679	-85	–	5,915	6	91	6,331
Motor Gasoline Blend.Comp. (MGBC)(net)	9,132	-42,449	-38,107	6,500	369	-64,555	1,191	5,472	26,006
Reformulated - RBOB	6,312	-9,322	-6,584	8	-131	-9,717	–	2,152	12,061
Conventional	2,820	-33,127	-31,523	6,492	500	-54,838	1,191	3,320	13,945
CBOB	2,919	-30,026	-29,621	6,446	454	-49,828	1,118	1,705	5,558
GTAB	–	–	–	–	–	–	–	–	3,048
Other	-99	-3,101	-1,902	46	46	-5,010	73	1,615	5,339
Aviation Gasoline Blend. Comp. (net)	-9	–	2	–	–	-7	–	–	-7
Total Input	**30,274**	**105,923**	**70,032**	**13,277**	**1,692**	**221,198**	**18,143**	**76,556**	**554,953**

– – = 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, April 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	865	79	944	4,258	345	704	5,307
Natural Gas Liquids	591	79	670	3,267	203	525	3,995
Ethane	–	–	–	–	–	–	–
Propane	394	22	416	1,575	230	426	2,231
Normal Butane	225	66	291	1,813	36	120	1,969
Isobutane	-28	-9	-37	-121	-63	-21	-205
Natural Gasoline	–	–	–	–	–	–	–
Refinery Olefins	274	–	274	991	142	179	1,312
Ethylene	–	–	–	–	–	–	–
Propylene	274	–	274	867	142	179	1,188
Normal Butylene	–	–	–	124	–	–	124
Isobutylene	–	–	–	–	–	–	–
Finished Motor Gasoline	90,227	6,606	96,833	48,110	9,410	16,193	73,713
Reformulated	35,225	54	35,279	7,656	1,394	917	9,967
Reformulated Blended with Fuel Ethanol	35,223	54	35,277	7,656	1,393	917	9,966
Reformulated Other	2	–	2	–	1	–	1
Conventional	55,002	6,552	61,554	40,454	8,016	15,276	63,746
Conventional Blended with Fuel Ethanol	55,531	6,568	62,099	38,229	8,255	14,076	60,560
Ed55 and Lower	55,449	6,568	62,017	38,207	8,215	13,923	60,345
Greater than Ed55	82	–	82	22	40	153	215
Conventional Other	-529	-16	-545	2,225	-239	1,200	3,186
Finished Aviation Gasoline	–	–	–	–	22	–	22
Kerosene-Type Jet Fuel	3,112	–	3,112	6,862	903	1,030	8,795
Kerosene	-83	–	-83	-5	–	7	2
Distillate Fuel Oil	6,716	847	7,563	17,545	4,069	8,556	30,170
15 ppm sulfur and under	6,693	805	7,498	17,485	3,957	8,644	30,086
Greater than 15 ppm to 500 ppm sulfur	32	–	32	–	–	8	8
Greater than 500 ppm sulfur	-9	42	33	60	112	-96	76
Residual Fuel Oil	728	7	735	689	159	105	953
Less than 0.31 percent sulfur	-7	6	-1	57	–	–	57
0.31 to 1.00 percent sulfur	408	1	409	270	75	10	355
Greater than 1.00 percent sulfur	327	–	327	362	84	95	541
Petrochemical Feedstocks	–	–	–	882	–	–	882
Naphtha for Petro. Feed. Use	–	–	–	531	–	–	531
Other Oils for Petro. Feed. Use	–	–	–	351	–	–	351
Special Naphthas	–	11	11	-39	–	9	-30
Lubricants	146	195	341	–	–	223	223
Waxes	–	4	4	–	–	33	33
Petroleum Coke	211	18	229	3,844	1,062	705	5,611
Marketable	57	–	57	2,862	909	516	4,287
Catalyst	154	18	172	982	153	189	1,324
Asphalt and Road Oil	551	672	1,223	2,755	1,272	359	4,386
Still Gas	1,037	57	1,094	2,704	528	922	4,154
Miscellaneous Products	16	29	45	312	91	37	440
Total	**103,526**	**8,525**	**112,051**	**87,917**	**17,861**	**28,883**	**134,661**
Processing Gain(-) or Loss(+)[1]	-1,089	48	-1,041	-4,420	-1,220	-975	-6,615

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 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	882	8,586	5,684	81	19	15,252	457	2,205	24,165
Natural Gas Liquids	520	5,347	3,161	67	19	9,114	291	2,051	16,121
Ethane	3	122	31	–	–	156	–	–	156
Propane	261	2,417	2,072	11	18	4,779	199	955	8,580
Normal Butane	293	3,165	950	56	1	4,465	143	1,007	7,875
Isobutane	-37	-357	108	–	–	-286	-51	89	-490
Natural Gasoline	–	–	–	–	–	–	–	–	–
Refinery Olefins	362	3,239	2,523	14	–	6,138	166	154	8,044
Ethylene	–	4	–	–	–	4	–	–	4
Propylene	364	3,420	2,348	14	–	6,146	33	187	7,828
Normal Butylene	-2	-185	175	–	–	-12	133	-33	212
Isobutylene	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	21,226	24,809	9,590	9,145	1,308	66,078	9,883	43,912	290,419
Reformulated	7,424	6,813	–	–	–	14,237	–	30,704	90,187
Reformulated Blended with Fuel Ethanol	7,421	6,811	–	–	–	14,232	–	30,704	90,179
Reformulated Other	3	2	–	–	–	5	–	–	8
Conventional	13,802	17,996	9,590	9,145	1,308	51,841	9,883	13,208	200,232
Conventional Blended with Fuel Ethanol	13,549	1,502	4,760	9,600	1,350	30,761	8,581	13,578	175,579
Ed55 and Lower	13,537	1,501	4,760	9,583	1,349	30,730	8,556	13,565	175,213
Greater than Ed55	12	1	–	17	1	31	25	13	366
Conventional Other	253	16,494	4,830	-455	-42	21,080	1,302	-370	24,653
Finished Aviation Gasoline	56	139	49	–	–	244	3	-11	258
Kerosene-Type Jet Fuel	1,228	14,161	10,236	105	0	25,730	946	12,465	51,048
Kerosene	0	176	1	4	–	181	–	-2	98
Distillate Fuel Oil	5,676	43,175	35,316	2,046	352	86,565	5,172	13,232	142,702
15 ppm sulfur and under	5,613	40,705	31,797	2,012	352	80,479	5,189	12,688	135,940
Greater than 15 ppm to 500 ppm sulfur	63	1,268	2,277	83	–	3,691	8	166	3,905
Greater than 500 ppm sulfur	–	1,202	1,242	-49	–	2,395	-25	378	2,857
Residual Fuel Oil	201	2,776	1,931	-22	-13	4,873	308	1,750	8,619
Less than 0.31 percent sulfur	249	–	880	–	–	1,129	127	41	1,353
0.31 to 1.00 percent sulfur	4	607	459	-22	–	1,048	24	697	2,533
Greater than 1.00 percent sulfur	-52	2,169	592	–	-13	2,696	157	1,012	4,733
Petrochemical Feedstocks	42	3,589	2,809	19	46	6,505	–	140	7,527
Naphtha for Petro. Feed. Use	30	1,887	1,441	19	–	3,377	–	–	3,908
Other Oils for Petro. Feed. Use	12	1,702	1,368	–	46	3,128	–	140	3,619
Special Naphthas	39	574	–	215	–	828	–	36	845
Lubricants	23	1,675	1,146	828	–	3,672	–	411	4,647
Waxes	–	37	61	12	–	110	–	–	147
Petroleum Coke	470	7,549	5,271	136	18	13,444	649	3,799	23,732
Marketable	236	5,819	4,221	123	–	10,399	444	2,958	18,145
Catalyst	234	1,730	1,050	13	18	3,045	205	841	5,587
Asphalt and Road Oil	203	539	640	548	4	1,934	737	789	9,069
Still Gas	670	5,927	3,565	249	50	10,461	601	3,237	19,547
Miscellaneous Products	141	884	486	11	4	1,526	95	396	2,502
Total	**30,857**	**114,596**	**76,785**	**13,377**	**1,788**	**237,403**	**18,851**	**82,359**	**585,325**
Processing Gain(-) or Loss(+)[1]	-583	-8,673	-6,753	-100	-96	-16,205	-708	-5,803	-30,372

– = 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, April 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	**20,476**	**2,989**	**23,465**	**74,590**	**14,116**	**22,618**	**111,324**
Hydrocarbon Gas Liquids	**116**	**–**	**116**	**1,324**	**75**	**764**	**2,163**
Natural Gas Liquids	116	–	116	1,324	75	764	2,163
Normal Butane	4	–	4	12	–	4	16
Isobutane	112	–	112	1,112	75	263	1,450
Natural Gasoline	–	–	–	200	–	497	697
Other Liquids	**-8,055**	**43**	**-8,012**	**-35,940**	**-5,098**	**-8,962**	**-50,000**
Hydrogen/Biofuels/Other Hydrocarbons	104	150	254	905	423	393	1,721
Hydrogen	37	2	39	670	184	179	1,033
Biofuels (including Fuel Ethanol)	67	148	215	235	239	214	688
Fuel Ethanol	67	113	180	196	178	149	523
Biodiesel	–	35	35	39	61	26	126
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	39	39
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils (net)	1,407	-103	1,304	-2,641	-542	-313	-3,496
Naphthas and Lighter	226	-47	179	-90	-216	3	-303
Kerosene and Light Gas Oils	-72	–	-72	-1,060	-205	83	-1,182
Heavy Gas Oils	675	-53	622	-1,262	-117	-376	-1,755
Residuum	578	-3	575	-229	-4	-23	-256
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,566	-4	-9,570	-34,204	-4,979	-9,042	-48,225
Reformulated - RBOB	-5,899	–	-5,899	-6,246	-80	–	-6,326
Conventional	-3,667	-4	-3,671	-27,958	-4,899	-9,042	-41,899
CBOB	-3,156	13	-3,143	-28,135	-4,857	-8,812	-41,804
GTAB	–	–	–	–	–	–	–
Other	-511	-17	-528	177	-42	-230	-95
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**12,537**	**3,032**	**15,569**	**39,974**	**9,093**	**14,420**	**63,487**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	728	100	828	2,487	496	753	3,736
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent)[2]	93.4	101.4	94.3	91.1	90.4	81.1	88.8
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	129	16	145	455	64	150	669
Catalytic Cracking	238	15	253	709	123	183	1,015
Catalytic Hydrocracking	25	–	25	179	21	40	240
Delayed and Fluid Coking	7	–	7	334	61	69	464
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.84	1.69	0.94	1.71	1.71	0.52	1.47
API Gravity, Weighted Average (degrees)	36.27	32.09	35.75	33.43	29.15	40.18	34.18
Operable Capacity (daily average)	**780**	**98**	**878**	**2,729**	**549**	**928**	**4,206**
Operating	780	98	878	2,580	549	928	4,057
Idle	–	–	–	149	–	–	149
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, April 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	**18,874**	**142,877**	**92,568**	**5,931**	**1,302**	**261,552**	**15,397**	**61,861**	**473,599**
Hydrocarbon Gas Liquids	**419**	**3,763**	**3,146**	**40**	**100**	**7,468**	**403**	**2,067**	**12,217**
Natural Gas Liquids	419	3,763	3,146	40	100	7,468	403	2,067	12,217
Normal Butane	106	665	327	–	–	1,098	102	488	1,708
Isobutane	275	2,520	1,487	37	100	4,419	156	631	6,768
Natural Gasoline	38	578	1,332	3	–	1,951	145	948	3,741
Other Liquids	**-8,026**	**-51,813**	**-28,614**	**-1,414**	**-942**	**-90,809**	**-3,617**	**-29,051**	**-181,489**
Hydrogen/Biofuels/Other Hydrocarbons	351	1,992	1,759	72	40	4,214	465	1,623	8,277
Hydrogen	116	1,928	1,532	33	23	3,632	186	1,309	6,199
Biofuels (including Fuel Ethanol)	235	64	227	39	17	582	279	314	2,078
Fuel Ethanol	186	42	187	38	6	459	245	138	1,545
Biodiesel	49	19	33	1	2	104	14	12	291
Renewable Diesel Fuel	–	–	–	–	–	–	–	157	157
Other Biofuels[1]	–	3	7	–	9	19	20	7	85
Other Hydrocarbons	–	–	–	–	–	–	–	–	–
Unfinished Oils (net)	-572	-3,860	10,358	-261	-256	5,409	-37	622	3,802
Naphthas and Lighter	-301	-7,254	502	-90	-158	-7,301	-173	326	-7,272
Kerosene and Light Gas Oils	-81	-402	228	-18	-188	-461	-78	-678	-2,471
Heavy Gas Oils	-281	-434	7,949	-68	90	7,256	208	883	7,214
Residuum	91	4,230	1,679	-85	–	5,915	6	91	6,331
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,796	-49,945	-40,733	-1,225	-726	-100,425	-4,045	-31,296	-193,561
Reformulated - RBOB	-401	-15,379	-6,584	–	-131	-22,495	–	-23,915	-58,635
Conventional	-7,395	-34,566	-34,149	-1,225	-595	-77,930	-4,045	-7,381	-134,926
CBOB	-7,296	-27,838	-31,612	-1,271	-610	-68,627	-4,117	-8,014	-125,705
GTAB	–	–	–	–	–	–	–	–	–
Other	-99	-6,728	-2,537	46	15	-9,303	72	633	-9,221
Aviation Gasoline Blend. Comp. (net)	-9	–	2	–	–	-7	–	–	-7
Total Input to Refineries	**11,267**	**94,827**	**67,100**	**4,557**	**460**	**178,211**	**12,183**	**34,877**	**304,327**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	636	5,035	3,215	176	44	9,106	514	2,279	16,463
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operable Utilization Rate (percent)[2]	85.5	92.0	96.5	67.7	39.6	91.8	79.1	87.0	90.1
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	122	757	560	25	3	1,466	79	359	2,718
Catalytic Cracking	168	1,342	866	15	15	2,406	153	612	4,439
Catalytic Hydrocracking	52	469	444	18	–	983	15	396	1,660
Delayed and Fluid Coking	30	748	508	21	–	1,307	51	378	2,207
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.67	1.47	1.18	0.85	1.08	1.27	1.29	1.32	1.31
API Gravity, Weighted Average (degrees)	39.32	34.66	31.59	34.21	38.31	34.07	33.04	28.74	33.41
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	641	2,620	18,062
Idle	–	–	–	50	–	50	10	–	209
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**12,398**	**12,398**

– – = 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, April 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	865	79	944	4,258	345	704	5,307
Natural Gas Liquids	591	79	670	3,267	203	525	3,995
Ethane	–	–	–	–	–	–	–
Propane	394	22	416	1,575	230	426	2,231
Normal Butane	225	66	291	1,813	36	120	1,969
Isobutane	-28	-9	-37	-121	-63	-21	-205
Natural Gasoline	–	–	–	–	–	–	–
Refinery Olefins	274	–	274	991	142	179	1,312
Ethylene	–	–	–	–	–	–	–
Propylene	274	–	274	867	142	179	1,188
Normal Butylene	–	–	–	124	–	–	124
Isobutylene	–	–	–	–	–	–	–
Finished Motor Gasoline	664	1,135	1,799	4,705	1,970	2,774	9,449
Reformulated	664	–	664	–	–	2	2
Reformulated Blended with Fuel Ethanol	664	–	664	–	–	2	2
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	1,135	1,135	4,705	1,970	2,772	9,447
Conventional Blended with Fuel Ethanol	–	1,131	1,131	1,988	1,701	1,523	5,212
Ed55 and Lower	–	1,131	1,131	1,988	1,701	1,523	5,212
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	4	4	2,717	269	1,249	4,235
Finished Aviation Gasoline	–	–	–	–	22	–	22
Kerosene-Type Jet Fuel	3,113	–	3,113	6,882	903	1,030	8,815
Kerosene	-84	–	-84	-5	–	7	2
Distillate Fuel Oil	6,375	777	7,152	17,410	3,961	8,494	29,865
15 ppm sulfur and under	6,367	735	7,102	17,350	3,849	8,602	29,801
Greater than 15 ppm to 500 ppm sulfur	17	–	17	–	–	-95	-95
Greater than 500 ppm sulfur	-9	42	33	60	112	-13	159
Residual Fuel Oil	735	7	742	689	159	105	953
Less than 0.31 percent sulfur	–	6	6	57	–	–	57
0.31 to 1.00 percent sulfur	408	1	409	270	75	10	355
Greater than 1.00 percent sulfur	327	–	327	362	84	95	541
Petrochemical Feedstocks	–	–	–	882	–	–	882
Naphtha for Petro. Feed. Use	–	–	–	531	–	–	531
Other Oils for Petro. Feed. Use	–	–	–	351	–	–	351
Special Naphthas	–	11	11	-39	–	9	-30
Lubricants	146	195	341	–	–	223	223
Waxes	–	4	4	–	–	33	33
Petroleum Coke	211	18	229	3,844	1,062	705	5,611
Marketable	57	–	57	2,862	909	516	4,287
Catalyst	154	18	172	982	153	189	1,324
Asphalt and Road Oil	551	672	1,223	2,755	1,272	358	4,385
Still Gas	1,037	57	1,094	2,704	528	922	4,154
Miscellaneous Products	16	29	45	312	91	37	440
Total	**13,629**	**2,984**	**16,613**	**44,397**	**10,313**	**15,401**	**70,111**
Processing Gain(-) or Loss(+)[1]	-1,092	48	-1,044	-4,423	-1,220	-981	-6,624

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 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	882	8,586	5,684	81	19	15,252	457	2,205	24,165
Natural Gas Liquids	520	5,347	3,161	67	19	9,114	291	2,051	16,121
Ethane	3	122	31	–	–	156	–	–	156
Propane	261	2,417	2,072	11	18	4,779	199	955	8,580
Normal Butane	293	3,165	950	56	1	4,465	143	1,007	7,875
Isobutane	-37	-357	108	–	–	-286	-51	89	-490
Natural Gasoline	–	–	–	–	–	–	–	–	–
Refinery Olefins	362	3,239	2,523	14	–	6,138	166	154	8,044
Ethylene	–	4	–	–	–	4	–	–	4
Propylene	364	3,420	2,348	14	–	6,146	33	187	7,828
Normal Butylene	-2	-185	175	–	–	-12	133	-33	212
Isobutylene	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	2,243	13,767	6,652	441	78	23,181	3,938	2,697	41,064
Reformulated	–	–	–	–	–	–	–	652	1,318
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	652	1,318
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	2,243	13,767	6,652	441	78	23,181	3,938	2,045	39,746
Conventional Blended with Fuel Ethanol	1,949	420	1,843	403	58	4,673	2,479	701	14,196
Ed55 and Lower	1,949	420	1,843	403	58	4,673	2,479	701	14,196
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	294	13,347	4,809	38	20	18,508	1,459	1,344	25,550
Finished Aviation Gasoline	56	139	49	–	–	244	3	-11	258
Kerosene-Type Jet Fuel	1,228	14,121	10,225	105	–	25,679	895	12,467	50,969
Kerosene	0	217	0	4	–	221	–	-2	137
Distillate Fuel Oil	5,653	43,121	35,329	2,025	349	86,477	5,210	12,760	141,464
15 ppm sulfur and under	5,590	40,651	31,810	1,991	349	80,391	5,227	12,224	134,745
Greater than 15 ppm to 500 ppm sulfur	63	1,268	2,277	83	–	3,691	8	166	3,787
Greater than 500 ppm sulfur	–	1,202	1,242	-49	–	2,395	-25	370	2,932
Residual Fuel Oil	201	2,776	1,936	-22	-13	4,878	308	1,750	8,631
Less than 0.31 percent sulfur	249	–	880	–	–	1,129	127	38	1,357
0.31 to 1.00 percent sulfur	4	607	459	-22	–	1,048	24	699	2,535
Greater than 1.00 percent sulfur	-52	2,169	597	–	-13	2,701	157	1,013	4,739
Petrochemical Feedstocks	42	3,589	2,809	19	46	6,505	–	140	7,527
Naphtha for Petro. Feed. Use	30	1,887	1,441	19	–	3,377	–	–	3,908
Other Oils for Petro. Feed. Use	12	1,702	1,368	–	46	3,128	–	140	3,619
Special Naphthas	39	574	–	215	–	828	–	36	845
Lubricants	23	1,675	1,146	828	–	3,672	–	411	4,647
Waxes	–	37	61	12	–	110	–	–	147
Petroleum Coke	470	7,549	5,271	136	18	13,444	649	3,799	23,732
Marketable	236	5,819	4,221	123	–	10,399	444	2,958	18,145
Catalyst	234	1,730	1,050	13	18	3,045	205	841	5,587
Asphalt and Road Oil	203	539	640	548	4	1,934	737	789	9,068
Still Gas	670	5,927	3,565	249	50	10,461	601	3,237	19,547
Miscellaneous Products	141	884	486	11	4	1,526	95	396	2,502
Total	**11,851**	**103,501**	**73,853**	**4,652**	**555**	**194,412**	**12,893**	**40,674**	**334,703**
Processing Gain(-) or Loss(+)[1]	-584	-8,674	-6,753	-95	-95	-16,201	-710	-5,797	-30,376

– = 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, April 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	**762**	**–**	**762**	**57**	**133**	**239**	**429**
Natural Gas Liquids	762	–	762	57	133	239	429
Normal Butane	570	–	570	55	123	171	349
Isobutane	–	–	–	–	–	–	–
Natural Gasoline	192	–	192	2	10	68	80
Other Liquids	**89,138**	**5,541**	**94,679**	**43,466**	**7,415**	**13,249**	**64,130**
Oxygenates/Renewables	9,460	619	10,079	4,573	940	1,524	7,037
Biofuels (including Fuel Ethanol)	9,460	619	10,079	4,573	940	1,524	7,037
Fuel Ethanol	9,120	549	9,669	4,460	832	1,460	6,752
Biodiesel	340	70	410	113	108	64	285
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	–	–	–	–
Naphthas and Lighter	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	79,678	4,922	84,600	38,893	6,475	11,725	57,093
Reformulated - RBOB	23,077	–	23,077	6,730	1,220	824	8,774
Conventional	56,601	4,922	61,523	32,163	5,255	10,901	48,319
CBOB	44,457	4,922	49,379	32,144	5,086	10,901	48,131
GTAB	3,048	–	3,048	–	–	–	–
Other	9,096	–	9,096	19	169	–	188
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**89,900**	**5,541**	**95,441**	**43,523**	**7,548**	**13,488**	**64,559**

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	**143**	**2,734**	**19**	**41**	**5**	**2,942**	**82**	**89**	**4,304**
Natural Gas Liquids	143	2,734	19	41	5	2,942	82	89	4,304
Normal Butane	138	312	19	41	5	515	55	89	1,578
Isobutane	–	–	–	–	–	–	3	–	3
Natural Gasoline	5	2,422	–	–	–	2,427	24	–	2,723
Other Liquids	**18,864**	**8,362**	**2,913**	**8,679**	**1,227**	**40,045**	**5,878**	**41,590**	**246,322**
Oxygenates/Renewables	1,936	866	292	954	132	4,180	642	4,822	26,760
Biofuels (including Fuel Ethanol)	1,936	866	292	954	132	4,180	642	4,822	26,760
Fuel Ethanol	1,913	810	292	932	126	4,073	628	4,343	25,465
Biodiesel	23	56	–	22	6	107	14	355	1,171
Renewable Diesel Fuel	–	–	–	–	–	–	–	124	124
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	-5	–	–	-5	–	–	-5
Naphthas and Lighter	–	–	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	-5	–	–	-5	–	–	-5
Residuum	–	–	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	16,928	7,496	2,626	7,725	1,095	35,870	5,236	36,768	219,567
Reformulated - RBOB	6,713	6,057	–	8	–	12,778	–	26,067	70,696
Conventional	10,215	1,439	2,626	7,717	1,095	23,092	5,236	10,701	148,871
CBOB	10,215	-2,188	1,991	7,717	1,064	18,799	5,235	9,719	131,263
GTAB	–	–	–	–	–	–	–	–	3,048
Other	–	3,627	635	–	31	4,293	1	982	14,560
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–	–	–
Total Input	**19,007**	**11,096**	**2,932**	**8,720**	**1,232**	**42,987**	**5,960**	**41,679**	**250,626**

– – = 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, April 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	89,563	5,471	95,034	43,405	7,440	13,419	64,264
Reformulated	34,561	54	34,615	7,656	1,394	915	9,965
Reformulated Blended with Fuel Ethanol	34,559	54	34,613	7,656	1,393	915	9,964
Reformulated Other	2	–	2	–	1	–	1
Conventional	55,002	5,417	60,419	35,749	6,046	12,504	54,299
Conventional Blended with Fuel Ethanol	55,531	5,437	60,968	36,241	6,554	12,553	55,348
Ed55 and Lower	55,449	5,437	60,886	36,219	6,514	12,400	55,133
Greater than Ed55	82	–	82	22	40	153	215
Conventional Other	-529	-20	-549	-492	-508	-49	-1,049
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	-1	–	-1	-20	–	0	-20
Kerosene	1	–	1	–	–	–	–
Distillate Fuel Oil	341	70	411	135	108	62	305
15 ppm sulfur and under	326	70	396	135	108	42	285
Greater than 15 ppm to 500 ppm sulfur	15	–	15	–	–	103	103
Greater than 500 ppm sulfur	–	–	–	–	–	-83	-83
Residual Fuel Oil	-7	–	-7	–	–	–	–
Less than 0.31 percent sulfur	-7	–	-7	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–
Greater than 1.00 percent sulfur	–	–	–	–	–	–	–
Special Naphthas	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	–	–	–	1	1
Miscellaneous Products	–	–	–	–	–	–	–
Total Production	**89,897**	**5,541**	**95,438**	**43,520**	**7,548**	**13,482**	**64,550**
Processing Gain(-) or Loss(+)[1]	3	0	3	3	0	6	9

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	18,983	11,042	2,938	8,704	1,230	42,897	5,945	41,215	249,355
Reformulated	7,424	6,813	–	–	–	14,237	–	30,052	88,869
Reformulated Blended with Fuel Ethanol	7,421	6,811	–	–	–	14,232	–	30,052	88,861
Reformulated Other	3	2	–	–	–	5	–	–	8
Conventional	11,559	4,229	2,938	8,704	1,230	28,660	5,945	11,163	160,486
Conventional Blended with Fuel Ethanol	11,600	1,082	2,917	9,197	1,292	26,088	6,102	12,877	161,383
Ed55 and Lower	11,588	1,081	2,917	9,180	1,291	26,057	6,077	12,864	161,017
Greater than Ed55	12	1	–	17	1	31	25	13	366
Conventional Other	-41	3,147	21	-493	-62	2,572	-157	-1,714	-897
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	40	11	–	0	51	51	-2	79
Kerosene	–	-41	1	–	–	-40	–	–	-39
Distillate Fuel Oil	23	54	-13	21	3	88	-38	472	1,238
15 ppm sulfur and under	23	54	-13	21	3	88	-38	464	1,195
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	118
Greater than 500 ppm sulfur	–	–	–	–	–	–	–	8	-75
Residual Fuel Oil	–	–	-5	–	–	-5	–	0	-12
Less than 0.31 percent sulfur	–	–	–	–	–	–	–	3	-4
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–	-2	-2
Greater than 1.00 percent sulfur	–	–	-5	–	–	-5	–	-1	-6
Special Naphthas	–	–	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	–	–	–	–	–	–	1
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total Production	**19,006**	**11,095**	**2,932**	**8,725**	**1,233**	**42,991**	**5,958**	**41,685**	**250,622**
Processing Gain(-) or Loss(+)[1]	1	1	0	-5	-1	-4	2	-6	4

– = 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, April 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	**5,822**	**762**	**6,584**	**9,526**	**2,137**	**1,750**	**13,413**
Petroleum Products	**10,974**	**2,381**	**13,355**	**29,055**	**9,078**	**11,660**	**49,793**
Hydrocarbon Gas Liquids	490	24	514	2,016	251	885	3,152
Natural Gas Liquids	374	24	398	1,701	226	879	2,806
Ethane	–	–	–	–	–	–	–
Propane	79	2	81	466	41	219	726
Normal Butane	208	2	210	821	152	218	1,191
Isobutane	87	20	107	267	33	259	559
Natural Gasoline	–	–	–	147	–	183	330
Refinery Olefins	116	0	116	315	25	6	346
Ethylene	–	–	–	–	–	–	–
Propylene	116	0	116	277	25	6	308
Normal Butylene	0	0	0	38	0	0	38
Isobutylene	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	61	111	172	76	70	29	175
Biofuels (including Fuel Ethanol)	61	111	172	52	70	29	151
Fuel Ethanol	61	99	160	48	59	25	132
Biodiesel	–	12	12	4	11	4	19
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	24	–	–	24
Unfinished Oils	3,623	385	4,008	8,953	1,131	4,723	14,807
Naphthas and Lighter	588	225	813	2,340	321	1,360	4,021
Kerosene and Light Gas Oils	508	–	508	1,973	529	419	2,921
Heavy Gas Oils	1,977	155	2,132	3,354	265	1,880	5,499
Residuum	550	5	555	1,286	16	1,064	2,366
Motor Gasoline Blending Components (MGBC)	3,346	199	3,545	8,277	1,617	2,864	12,758
Reformulated - RBOB	1,262	–	1,262	757	–	–	757
Conventional	2,084	199	2,283	7,520	1,617	2,864	12,001
CBOB	252	155	407	3,086	818	1,917	5,821
GTAB	–	–	–	–	–	–	–
Other	1,832	44	1,876	4,434	799	947	6,180
Aviation Gasoline Blending Components	–	–	–	–	–	–	–
Finished Motor Gasoline	–	37	37	527	76	207	810
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	37	37	527	76	207	810
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	37	37	527	76	207	810
Finished Aviation Gasoline	–	–	–	–	41	–	41
Kerosene-Type Jet Fuel	498	–	498	1,659	265	230	2,154
Kerosene	87	3	90	56	–	46	102
Distillate Fuel Oil	1,716	237	1,953	3,273	1,011	1,863	6,147
15 ppm sulfur and under	1,353	153	1,506	3,092	810	1,771	5,673
Greater than 15 ppm to 500 ppm sulfur	59	57	116	–	–	58	58
Greater than 500 ppm sulfur	304	27	331	181	201	34	416
Residual Fuel Oil	319	18	337	542	207	78	827
Less than 0.31 percent sulfur	–	16	16	103	–	–	103
0.31 to 1.00 percent sulfur	71	2	73	140	55	27	222
Greater than 1.00 percent sulfur	248	–	248	299	152	51	502
Petrochemical Feedstocks	–	–	–	593	–	–	593
Naphtha for Petro. Feed. Use	–	–	–	479	–	–	479
Other Oils for Petro. Feed. Use	–	–	–	114	–	–	114
Special Naphthas	–	21	21	88	–	13	101
Lubricants	707	290	997	–	–	232	232
Waxes	–	325	325	–	–	61	61
Petroleum Coke	–	–	–	358	2,459	187	3,004
Marketable	–	–	–	358	2,459	187	3,004
Catalyst	–	–	–	–	–	–	–
Asphalt and Road Oil	119	686	805	2,561	1,934	234	4,729
Miscellaneous Products	8	45	53	76	16	8	100
Total Stocks, All Oils	**16,796**	**3,143**	**19,939**	**38,581**	**11,215**	**13,410**	**63,206**

See footnotes at end of table.

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

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**1,999**	**25,671**	**16,126**	**1,170**	**292**	**45,258**	**2,381**	**22,847**	**90,483**
Petroleum Products	**11,592**	**60,558**	**41,019**	**3,832**	**1,216**	**118,217**	**10,411**	**48,227**	**240,003**
Hydrocarbon Gas Liquids	2,833	1,778	1,230	20	33	5,894	414	1,401	11,375
Natural Gas Liquids	2,088	1,571	1,139	19	33	4,850	306	1,351	9,711
Ethane	19	2	–	–	–	21	–	–	21
Propane	423	339	70	4	4	840	51	143	1,841
Normal Butane	1,061	968	575	9	25	2,638	176	819	5,034
Isobutane	484	230	333	6	4	1,057	57	385	2,165
Natural Gasoline	101	32	161	–	–	294	22	4	650
Refinery Olefins	745	207	91	1	0	1,044	108	50	1,664
Ethylene	0	0	–	–	–	0	–	–	0
Propylene	732	48	56	1	0	837	3	15	1,279
Normal Butylene	13	159	35	0	0	207	105	35	385
Isobutylene	0	0	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	43	1,075	159	26	7	1,310	115	1,076	2,848
Biofuels (including Fuel Ethanol)	43	1,075	159	26	7	1,310	115	1,076	2,824
Fuel Ethanol	33	1,036	120	18	3	1,210	106	163	1,771
Biodiesel	10	39	39	8	4	100	9	9	149
Renewable Diesel Fuel	–	–	–	–	–	–	–	904	904
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	24
Unfinished Oils	3,562	23,802	13,769	996	616	42,745	3,160	18,331	83,051
Naphthas and Lighter	1,617	6,307	1,887	323	217	10,351	850	2,879	18,914
Kerosene and Light Gas Oils	621	3,968	1,944	182	219	6,934	725	3,273	14,361
Heavy Gas Oils	849	10,653	7,605	441	180	19,728	1,155	9,459	37,973
Residuum	475	2,874	2,333	50	–	5,732	430	2,720	11,803
Motor Gasoline Blending Components (MGBC)	2,852	12,611	11,263	262	226	27,214	3,005	13,278	59,800
Reformulated - RBOB	81	1,531	446	–	37	2,095	–	4,398	8,512
Conventional	2,771	11,080	10,817	262	189	25,119	3,005	8,880	51,288
CBOB	1,346	3,613	5,465	202	22	10,648	1,498	2,664	21,038
GTAB	–	–	–	–	–	–	–	–	–
Other	1,425	7,467	5,352	60	167	14,471	1,507	6,216	30,250
Aviation Gasoline Blending Components	23	–	11	–	–	34	–	–	34
Finished Motor Gasoline	91	1,503	896	31	6	2,527	694	740	4,808
Reformulated	–	–	–	–	–	–	–	20	20
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	20	20
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	91	1,503	896	31	6	2,527	694	720	4,788
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	53	–	53
Ed55 and Lower	–	–	–	–	–	–	53	–	53
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	91	1,503	896	31	6	2,527	641	720	4,735
Finished Aviation Gasoline	22	230	164	–	–	416	9	102	568
Kerosene-Type Jet Fuel	330	2,672	1,896	59	–	4,957	289	3,190	11,088
Kerosene	28	45	1	2	–	76	1	1	270
Distillate Fuel Oil	959	7,770	5,510	455	83	14,777	1,483	5,072	29,432
15 ppm sulfur and under	849	6,595	4,585	317	83	12,429	1,354	4,519	25,481
Greater than 15 ppm to 500 ppm sulfur	110	119	275	37	–	541	102	207	1,024
Greater than 500 ppm sulfur	–	1,056	650	101	–	1,807	27	346	2,927
Residual Fuel Oil	236	2,125	1,340	7	108	3,816	239	1,724	6,943
Less than 0.31 percent sulfur	14	–	80	–	–	94	27	28	268
0.31 to 1.00 percent sulfur	96	560	286	7	–	949	8	347	1,599
Greater than 1.00 percent sulfur	126	1,565	974	–	108	2,773	204	1,349	5,076
Petrochemical Feedstocks	35	1,451	567	3	28	2,084	–	–	2,677
Naphtha for Petro. Feed. Use	28	992	543	3	–	1,566	–	–	2,045
Other Oils for Petro. Feed. Use	7	459	24	–	28	518	–	–	632
Special Naphthas	85	563	–	175	–	823	–	17	962
Lubricants	44	2,494	1,861	854	–	5,253	–	1,091	7,573
Waxes	–	87	107	65	–	259	–	–	645
Petroleum Coke	55	1,944	1,571	–	–	3,570	131	1,113	7,818
Marketable	55	1,944	1,571	–	–	3,570	131	1,113	7,818
Catalyst	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	323	191	613	876	107	2,110	849	1,033	9,526
Miscellaneous Products	71	217	61	1	2	352	22	58	585
Total Stocks, All Oils	**13,591**	**86,229**	**57,145**	**5,002**	**1,508**	**163,475**	**12,792**	**71,074**	**330,486**

– – = 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, April 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	4.0	2.7	3.8	5.9	2.5	3.1	4.9
Finished Motor Gasoline[1]	45.8	35.5	44.6	51.5	48.7	48.5	50.5
Finished Aviation Gasoline[2]	–	–	–	–	0.2	–	0.0
Kerosene-Type Jet Fuel	14.2	–	12.6	9.5	6.6	4.6	8.1
Kerosene	-0.4	–	-0.3	0.0	–	0.0	0.0
Distillate Fuel Oil[3]	29.1	25.7	28.7	23.9	28.4	37.5	27.3
Residual Fuel Oil	3.4	0.2	3.0	1.0	1.2	0.5	0.9
Naphtha for Petro. Feed. Use	–	–	–	0.7	–	–	0.5
Other Oils for Petro. Feed. Use	–	–	–	0.5	–	–	0.3
Special Naphthas	–	0.4	0.0	-0.1	–	0.0	0.0
Lubricants	0.7	6.8	1.4	–	–	1.0	0.2
Waxes	–	0.1	0.0	–	–	0.2	0.0
Petroleum Coke	1.0	0.6	0.9	5.3	7.7	3.1	5.2
Asphalt and Road Oil	2.5	23.3	4.9	3.8	9.3	1.6	4.0
Still Gas	4.7	2.0	4.4	3.7	3.8	4.1	3.8
Miscellaneous Products	0.1	1.0	0.2	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+)[4]	-5.0	1.7	-4.2	-6.1	-8.9	-4.3	-6.1

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	4.8	6.1	5.4	1.4	1.8	5.6	2.9	3.5	5.0
Finished Motor Gasoline[1]	51.2	42.5	42.2	27.8	65.3	42.8	47.2	49.8	45.7
Finished Aviation Gasoline[2]	0.4	0.1	0.0	–	–	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	6.7	10.0	9.8	1.8	–	9.5	5.8	19.5	10.5
Kerosene	0.0	0.2	0.0	0.1	–	0.1	–	0.0	0.0
Distillate Fuel Oil[3]	30.4	30.6	33.8	35.5	31.6	31.9	33.3	19.7	29.1
Residual Fuel Oil	1.1	2.0	1.9	-0.4	-1.2	1.8	2.0	2.7	1.8
Naphtha for Petro. Feed. Use	0.2	1.3	1.4	0.3	–	1.3	–	–	0.8
Other Oils for Petro. Feed. Use	0.1	1.2	1.3	–	4.3	1.2	–	0.2	0.8
Special Naphthas	0.2	0.4	–	3.8	–	0.3	–	0.1	0.2
Lubricants	0.1	1.2	1.1	14.5	–	1.4	–	0.6	1.0
Waxes	–	0.0	0.1	0.2	–	0.0	–	–	0.0
Petroleum Coke	2.6	5.4	5.1	2.4	1.7	5.0	4.2	6.0	4.9
Asphalt and Road Oil	1.1	0.4	0.6	9.6	0.4	0.7	4.7	1.2	1.9
Still Gas	3.6	4.2	3.4	4.4	4.7	3.9	3.9	5.1	4.0
Miscellaneous Products	0.8	0.6	0.5	0.2	0.4	0.6	0.6	0.6	0.5
Processing Gain(-) or Loss(+)[4]	-3.2	-6.2	-6.5	-1.8	-9.0	-6.0	-4.6	-9.1	-6.3

– = 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, April 2023
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	**–**	**66**	**687**	**753**
Connecticut	–	–	–	–
Delaware	–	–	–	–
Florida	–	–	73	73
Georgia	–	66	–	66
Maine	–	–	–	–
Maryland	–	–	–	–
Massachusetts	–	–	–	–
New Hampshire	–	–	–	–
New Jersey	–	–	351	351
New York	–	–	263	263
North Carolina	–	–	–	–
Pennsylvania	–	–	–	–
Rhode Island	–	–	–	–
South Carolina	–	–	–	–
Vermont	–	–	–	–
Virginia	–	–	–	–
West Virginia	–	–	–	–
PAD District 2	**–**	**7**	**108**	**115**
Illinois	–	–	–	–
Indiana	–	–	–	–
Michigan	–	–	92	92
Minnesota	–	3	–	3
North Dakota	–	4	16	20
Ohio	–	–	–	–
Wisconsin	–	–	–	–
PAD District 3	**–**	**495**	**938**	**1,433**
Alabama	–	–	–	–
Louisiana	–	313	–	313
Mississippi	–	–	–	–
New Mexico	–	–	–	–
Texas	–	182	938	1,120
PAD District 4	**–**	**–**	**–**	**–**
Idaho	–	–	–	–
Montana	–	–	–	–
PAD District 5	**313**	**139**	**–**	**452**
Alaska	–	–	–	–
California	274	–	–	274
Hawaii	–	–	–	–
Oregon	–	–	–	–
Washington	39	139	–	178
U.S. Total	**313**	**707**	**1,733**	**2,753**

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

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**20,051**	**77,753**	**42,838**	**6,010**	**39,169**	**185,821**	**6,194**
Hydrocarbon Gas Liquids	**821**	**1,427**	**–**	**472**	**1,390**	**4,110**	**137**
Natural Gas Liquids	514	1,218	–	472	1,390	3,594	120
Ethane	–	–	–	–	–	–	–
Propane	454	624	–	472	834	2,384	79
Normal Butane	58	296	–	–	556	910	30
Isobutane	2	295	–	–	–	297	10
Natural Gasoline	–	3	–	–	–	3	0
Refinery Olefins	307	209	–	–	–	516	17
Ethylene	–	–	–	–	–	–	–
Propylene	307	106	–	–	–	413	14
Normal Butylene	–	103	–	–	–	103	3
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**20,813**	**417**	**17,430**	**84**	**4,222**	**42,966**	**1,432**
Hydrogen/Biofuels/Other Hydrocarbons	374	108	360	14	564	1,420	47
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	374	108	360	14	564	1,420	47
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	374	108	360	14	144	1,000	33
Renewable Diesel Fuel	–	–	–	–	420	420	14
Other Biofuels[3]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils[1]	2,578	–	15,032	–	1,792	19,402	647
Naphthas and Lighter	849	–	–	–	–	849	28
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	1,131	–	6,356	–	1,792	9,279	309
Residuum	598	–	8,676	–	–	9,274	309
Motor Gasoline Blend.Comp. (MGBC)	17,861	309	2,038	70	1,866	22,144	738
Reformulated - RBOB	4,067	–	–	–	319	4,386	146
Conventional	13,794	309	2,038	70	1,547	17,758	592
CBOB	1,983	120	–	–	640	2,743	91
GTAB	3,324	–	–	–	–	3,324	111
Other	8,487	189	2,038	70	907	11,691	390
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**11,378**	**1,350**	**4,259**	**221**	**3,990**	**21,198**	**707**
Finished Motor Gasoline	3,287	–	49	–	1,188	4,524	151
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	3,287	–	49	–	1,188	4,524	151
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	3,287	–	49	–	1,188	4,524	151
Finished Aviation Gasoline	–	4	–	–	2	6	0
Kerosene-Type Jet Fuel	2,043	–	–	48	2,056	4,147	138
Bonded Aircraft Fuel	–	–	–	–	339	339	11
Other	2,043	–	–	48	1,717	3,808	127
Kerosene	–	–	–	–	–	–	–
Distillate Fuel Oil	3,943	168	293	102	164	4,670	156
15 ppm sulfur and under	3,942	160	293	102	164	4,661	155
Bonded	–	–	241	–	–	241	8
Other	3,942	160	52	102	164	4,420	147
Greater than 15 ppm to 500 ppm sulfur	1	5	–	–	–	6	0
Bonded	–	–	–	–	–	–	–
Other	1	5	–	–	–	6	0
Greater than 500 ppm to 2000 ppm sulfur	–	3	–	–	–	3	0
Bonded	–	–	–	–	–	–	–
Other	–	3	–	–	–	3	0
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	753	115	1,433	–	452	2,753	92
Less than 0.31 percent sulfur	–	–	–	–	313	313	10
0.31 to 1.00 percent sulfur	66	7	495	–	139	707	24
Greater than 1.00 percent sulfur	687	108	938	–	–	1,733	58
Petrochemical Feedstocks	190	162	392	–	28	772	26
Naphtha for Petro. Feed. Use	189	91	283	–	28	591	20
Other Oils for Petro. Feed. Use	1	71	109	–	–	181	6
Special Naphthas	1	9	640	–	17	667	22
Lubricants	74	226	1,319	–	6	1,625	54
Waxes	76	18	4	–	8	106	4
Petroleum Coke (Marketable)	–	22	129	–	–	151	5
Asphalt and Road Oil	1,011	626	–	71	69	1,777	59
Miscellaneous Products	–	–	–	–	–	–	–
Total	**53,063**	**80,947**	**64,527**	**6,787**	**48,771**	**254,095**	**8,470**

– – = 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-April 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**69,306**	**336,167**	**176,778**	**31,733**	**146,285**	**760,269**	**6,336**
Hydrocarbon Gas Liquids	**5,896**	**8,194**	**9**	**3,234**	**6,574**	**23,907**	**199**
Natural Gas Liquids	4,745	7,126	9	3,233	6,574	21,687	181
Ethane	–	–	–	–	–	–	–
Propane	4,623	4,444	–	3,130	4,429	16,626	139
Normal Butane	107	1,709	9	99	2,134	4,058	34
Isobutane	15	963	–	–	11	989	8
Natural Gasoline	–	10	–	4	–	14	0
Refinery Olefins	1,151	1,068	–	1	–	2,220	19
Ethylene	–	–	–	–	–	–	–
Propylene	1,151	605	–	1	–	1,757	15
Normal Butylene	–	463	–	–	–	463	4
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**61,965**	**2,590**	**62,256**	**498**	**14,766**	**142,075**	**1,184**
Hydrogen/Biofuels/Other Hydrocarbons	1,886	409	1,049	48	2,806	6,198	52
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	1,886	409	1,034	48	2,806	6,183	52
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	1,886	409	981	48	474	3,798	32
Renewable Diesel Fuel	–	–	53	–	2,332	2,385	20
Other Biofuels[3]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	15	–	–	15	0
Unfinished Oils[1]	6,893	–	55,057	–	5,631	67,581	563
Naphthas and Lighter	2,728	–	317	–	–	3,045	25
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	2,461	–	27,999	–	5,339	35,799	298
Residuum	1,704	–	26,741	–	292	28,737	239
Motor Gasoline Blend.Comp. (MGBC)	53,186	2,181	6,150	450	6,329	68,296	569
Reformulated - RBOB	16,513	–	292	–	777	17,582	147
Conventional	36,673	2,181	5,858	450	5,552	50,714	423
CBOB	5,765	382	–	–	1,269	7,416	62
GTAB	7,542	–	–	–	401	7,943	66
Other	23,366	1,799	5,858	450	3,882	35,355	295
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	52,137	6,057	16,094	715	17,608	92,611	772
Finished Motor Gasoline	10,180	–	54	–	2,668	12,902	108
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	10,180	–	54	–	2,668	12,902	108
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	10,180	–	54	–	2,668	12,902	108
Finished Aviation Gasoline	18	16	–	–	4	38	0
Kerosene-Type Jet Fuel	6,559	–	–	178	10,738	17,475	146
Bonded Aircraft Fuel	101	–	–	–	3,064	3,165	26
Other	6,458	–	–	178	7,674	14,310	119
Kerosene	504	–	–	–	–	504	4
Distillate Fuel Oil	22,906	1,078	833	187	1,372	26,376	220
15 ppm sulfur and under	22,772	1,011	833	187	1,372	26,175	218
Bonded	–	–	481	–	–	481	4
Other	22,772	1,011	352	187	1,372	25,694	214
Greater than 15 ppm to 500 ppm sulfur	3	17	–	–	–	20	0
Bonded	–	–	–	–	–	–	–
Other	3	17	–	–	–	20	0
Greater than 500 ppm to 2000 ppm sulfur	131	50	–	–	–	181	2
Bonded	–	–	–	–	–	–	–
Other	131	50	–	–	–	181	2
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	7,595	337	6,976	15	2,011	16,934	141
Less than 0.31 percent sulfur	998	–	65	11	553	1,627	14
0.31 to 1.00 percent sulfur	2,086	29	1,065	4	1,421	4,605	38
Greater than 1.00 percent sulfur	4,511	308	5,846	–	37	10,702	89
Petrochemical Feedstocks	321	659	1,132	–	94	2,206	18
Naphtha for Petro. Feed. Use	286	370	692	–	94	1,442	12
Other Oils for Petro. Feed. Use	35	289	440	–	–	764	6
Special Naphthas	8	19	1,843	1	114	1,985	17
Lubricants	441	971	4,102	–	118	5,632	47
Waxes	353	55	28	–	34	470	4
Petroleum Coke (Marketable)	–	58	1,126	–	–	1,184	10
Asphalt and Road Oil	3,252	2,864	–	334	455	6,905	58
Miscellaneous Products	–	–	–	–	–	–	–
Total	189,304	353,008	255,137	36,180	185,233	1,018,862	8,491

– – = 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, April 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	**33,893**	**49**	**–**	**9,330**	**–**	**17**	**17**	**–**	**2,639**	**2,639**
Algeria	345	–	–	610	–	–	–	–	1,913	1,913
Angola	2,200	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	166	49	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	5,790	–	–	5,123	–	–	–	–	–	–
Kuwait	368	–	–	–	–	–	–	–	–	–
Libya	2,623	–	–	–	–	–	–	–	–	–
Nigeria	6,560	–	–	257	–	–	–	–	139	139
Saudi Arabia	11,631	–	–	3,340	–	–	–	–	387	387
United Arab Emirates	–	–	–	–	–	17	17	–	200	200
Venezuela	4,210	–	–	–	–	–	–	–	–	–
Non-OPEC	**151,928**	**3,545**	**516**	**10,072**	**–**	**4,507**	**4,507**	**4,386**	**15,119**	**19,505**
Argentina	960	–	–	–	–	12	12	–	21	21
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	614	614	–	326	326
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	4	4	–	401	401
Brazil	3,803	–	–	673	–	–	–	–	112	112
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	108,822	3,488	516	575	–	287	287	1,978	1,770	3,748
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	5,030	–	–	66	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	6	6
Ecuador	3,424	–	–	765	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	68	68	270	289	559
France	–	–	–	–	–	255	255	–	487	487
Germany	–	–	–	–	–	8	8	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	365	–	371	371	319	2,713	3,032
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	147	–	199	199	–	878	878
Korea, South	–	–	–	–	–	257	257	–	1,351	1,351
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	108	108	–	333	333
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	18,167	–	–	5,155	–	–	–	–	–	–
Netherlands	–	–	–	129	–	865	865	625	1,763	2,388
Norway	1,208	–	–	–	–	619	619	310	368	678
Oman	–	–	–	–	–	–	–	–	78	78
Portugal	–	–	–	–	–	34	34	–	1,132	1,132
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	132	–	393	393	–	1,251	1,251
Sweden	–	–	–	–	–	132	132	–	210	210
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	1,604	57	–	–	–	–	–	–	–	–
United Kingdom	1,933	–	–	–	–	–	–	884	340	1,224
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	6,977	0	0	2,065	–	281	281	0	1,290	1,290
Total	**185,821**	**3,594**	**516**	**19,402**	**–**	**4,524**	**4,524**	**4,386**	**17,758**	**22,144**
Persian Gulf[4]	**17,789**	**–**	**–**	**8,463**	**–**	**17**	**17**	**–**	**587**	**587**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 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	–	**1,000**	**420**	–	**4,661**	**6**	**3**	–	**4,670**	–	**6**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	52	–	–	–	52	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	493	–	–	–	493	–	–
Canada	–	242	–	–	3,579	6	3	–	3,588	–	6
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	530	–	–	–	530	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	378	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	90	–	–	–	–	–	–	–	–	–
Korea, South	–	92	–	–	7	–	–	–	7	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	198	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	420	–	0	0	0	–	0	–	0
Total	–	**1,000**	**420**	–	**4,661**	**6**	**3**	–	**4,670**	–	**6**
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, April 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	**–**	**824**	**–**	**–**	**31**	**57**	**88**	**–**	**–**
Algeria	–	–	–	–	28	28	56	–	–
Angola	–	–	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	29	29	–	–
Kuwait	–	409	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	415	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**3,323**	**667**	**313**	**676**	**1,676**	**2,665**	**591**	**181**
Argentina	–	–	–	–	179	–	179	–	26
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	16
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	455	103	–	88	108	196	92	72
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	370	370	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	25	–	–	–	–	–	16
Germany	–	–	14	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	117	–	–	–	1	1	–	–
Korea, South	–	1,704	519	–	–	–	–	83	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	119	–	–	119	–	–
Mexico	–	–	–	–	–	962	962	49	51
Netherlands	–	–	–	–	–	51	51	88	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	13	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	20	20	30	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	1,047	6	194	409	164	767	213	0
Total	**–**	**4,147**	**667**	**313**	**707**	**1,733**	**2,753**	**591**	**181**
Persian Gulf[4]	**–**	**824**	**–**	**–**	**–**	**29**	**29**	**13**	**–**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 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	**–**	**–**	**–**	**225**	**–**	**13,172**	**47,065**	**1,130**	**439**	**1,569**
Algeria	–	–	–	–	–	2,579	2,924	12	86	97
Angola	–	–	–	–	–	3	2,203	73	0	73
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	49	215	6	2	7
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	5,152	10,942	193	172	365
Kuwait	–	–	–	–	–	409	777	12	14	26
Libya	–	–	–	–	–	–	2,623	87	–	87
Nigeria	–	–	–	–	–	396	6,956	219	13	232
Saudi Arabia	–	–	–	–	–	4,142	15,773	388	138	526
United Arab Emirates	–	–	–	225	–	442	442	–	15	15
Venezuela	–	–	–	–	–	–	4,210	140	–	140
Non-OPEC	**106**	**151**	**1,777**	**1,400**	**–**	**55,102**	**207,030**	**5,064**	**1,837**	**6,901**
Argentina	–	–	–	1	–	239	1,199	32	8	40
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	940	940	–	31	31
Bahrain	–	–	–	65	–	65	65	–	2	2
Belgium	–	–	–	4	–	409	409	–	14	14
Brazil	–	–	–	–	–	853	4,656	127	28	155
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	493	493	–	16	16
Canada	85	22	1,601	288	–	15,364	124,186	3,627	512	4,140
Chad	–	–	–	–	–	–	–	–	–	–
China	5	–	–	–	–	5	5	–	0	0
Colombia	–	112	–	–	–	1,078	6,108	168	36	204
Denmark	–	–	–	–	–	6	6	–	0	0
Ecuador	–	–	–	–	–	765	4,189	114	26	140
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	627	627	–	21	21
France	–	–	–	1	–	784	784	–	26	26
Germany	–	–	–	18	–	418	418	–	14	14
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	3,768	3,768	–	126	126
Indonesia	–	–	–	60	–	60	60	–	2	2
Italy	–	–	–	8	–	1,440	1,440	–	48	48
Korea, South	–	–	–	298	–	4,311	4,311	–	144	144
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	441	441	–	15	15
Malaysia	4	–	–	–	–	123	123	–	4	4
Mexico	–	–	–	–	–	6,217	24,384	606	207	813
Netherlands	–	–	–	–	–	3,521	3,521	–	117	117
Norway	–	–	–	–	–	1,297	2,505	40	43	84
Oman	–	–	–	–	–	78	78	–	3	3
Portugal	–	–	–	–	–	1,166	1,166	–	39	39
Qatar	–	–	–	657	–	670	670	–	22	22
Russia	–	–	–	–	–	–	–	–	–	–
Spain	2	–	–	–	–	1,999	1,999	–	67	67
Sweden	–	–	–	–	–	342	342	–	11	11
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	57	1,661	53	2	55
United Kingdom	–	17	–	–	–	1,291	3,224	64	43	107
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	10	0	176	0	–	6,275	13,252	233	210	441
Total	**106**	**151**	**1,777**	**1,625**	**–**	**68,274**	**254,095**	**6,194**	**2,276**	**8,470**
Persian Gulf[4]	**–**	**–**	**–**	**947**	**–**	**10,880**	**28,669**	**593**	**363**	**956**

– – = 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-April 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	**127,963**	**924**	**–**	**28,519**	**–**	**17**	**17**	**130**	**4,373**	**4,503**
Algeria	1,603	–	–	2,056	–	–	–	–	1,913	1,913
Angola	3,206	–	–	–	–	–	–	–	597	597
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	1,029	924	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	28,875	–	–	16,549	–	–	–	–	–	–
Kuwait	1,595	–	–	577	–	–	–	–	70	70
Libya	7,794	–	–	–	–	–	–	–	–	–
Nigeria	23,010	–	–	257	–	–	–	–	455	455
Saudi Arabia	48,959	–	–	8,710	–	–	–	–	1,138	1,138
United Arab Emirates	1,428	–	–	370	–	17	17	130	200	330
Venezuela	10,464	–	–	–	–	–	–	–	–	–
Non-OPEC	**632,306**	**20,763**	**2,220**	**39,062**	**–**	**12,885**	**12,885**	**17,452**	**46,341**	**63,793**
Argentina	4,969	–	–	294	–	12	12	–	866	866
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	2,796	2,796	100	977	1,077
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2,057	–	319	319	148	931	1,079
Brazil	15,378	–	–	3,076	–	–	–	–	347	347
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	461,087	20,595	2,220	932	–	1,250	1,250	8,866	7,606	16,472
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	323	323	–	–	–
Colombia	21,937	–	–	518	–	–	–	–	67	67
Denmark	–	–	–	–	–	–	–	–	6	6
Ecuador	14,704	–	–	2,361	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	406	406	270	878	1,148
France	–	–	–	200	–	1,401	1,401	294	1,422	1,716
Germany	–	–	–	9	–	8	8	–	80	80
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	2,446	–	425	425	551	7,639	8,190
Indonesia	–	–	–	134	–	–	–	–	–	–
Italy	–	–	–	627	–	217	217	311	4,291	4,602
Korea, South	–	–	–	–	–	1,247	1,247	–	2,926	2,926
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	108	108	–	333	333
Malaysia	–	–	–	3,248	–	–	–	–	269	269
Mexico	84,813	–	–	15,942	–	–	–	–	230	230
Netherlands	–	–	–	893	–	1,599	1,599	2,653	4,190	6,843
Norway	1,335	–	–	–	–	1,114	1,114	310	1,342	1,652
Oman	–	–	–	–	–	–	–	–	263	263
Portugal	–	–	–	–	–	34	34	–	2,564	2,564
Qatar	517	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	566	–	721	721	–	3,902	3,902
Sweden	–	–	–	199	–	454	454	–	560	560
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	3,020	168	–	–	–	–	–	–	–	–
United Kingdom	5,274	–	–	708	–	21	21	3,949	1,023	4,972
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	18,655	0	0	4,805	–	430	430	0	3,629	3,629
Total	**760,269**	**21,687**	**2,220**	**67,581**	**–**	**12,902**	**12,902**	**17,582**	**50,714**	**68,296**
Persian Gulf[4]	**81,374**	**–**	**–**	**26,206**	**–**	**17**	**17**	**130**	**1,408**	**1,538**

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-April 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels[3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	**–**	**–**	**–**	**–**	**1,111**	**–**	**–**	**–**	**1,111**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	308	–	–	–	308	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	53	–	–	–	53	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**3,798**	**2,385**	**–**	**25,064**	**20**	**181**	**–**	**25,265**	**504**	**38**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	90	–	–	52	–	–	–	52	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	493	–	–	–	493	–	–
Canada	–	1,058	–	–	17,597	20	50	–	17,667	–	20
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	1,090	–	–	–	1,090	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	53	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	1,461	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	368	–	–	–	–	–	–	–	–	–
Korea, South	–	178	–	–	459	–	–	–	459	–	–
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	–	606	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	2,271	–	754	0	0	–	754	0	0
Total	**–**	**3,798**	**2,385**	**–**	**26,175**	**20**	**181**	**–**	**26,376**	**504**	**38**
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-April 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	**–**	**2,986**	**–**	**998**	**386**	**852**	**2,236**	**–**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	–	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	552	552	–	–
Kuwait	–	2,129	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	694	–	–	–	269	269	–	–
United Arab Emirates	–	159	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**14,489**	**1,985**	**629**	**4,219**	**9,850**	**14,698**	**1,442**	**764**
Argentina	–	–	–	–	179	–	179	–	76
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	20	–	20	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	301	–	301	–	–
Brazil	–	–	–	–	–	657	657	–	16
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	1,202	438	76	324	628	1,028	377	293
Chad	–	–	–	–	–	–	–	–	–
China	–	935	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	1,393	1,393	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	2	112	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	49	–	–	–	–	–	24
Germany	–	–	28	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,375	–	240	–	49	289	136	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	91	–
Korea, South	–	7,767	1,279	–	–	–	–	150	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	119	–	69	188	–	–
Mexico	–	13	–	–	8	6,019	6,027	199	355
Netherlands	–	–	170	–	332	160	492	88	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	26	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	652	20	672	30	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	3,003	21	194	2,188	852	3,234	322	0
Total	**–**	**17,475**	**1,985**	**1,627**	**4,605**	**10,702**	**16,934**	**1,442**	**764**
Persian Gulf[4]	**–**	**2,986**	**–**	**–**	**–**	**821**	**821**	**26**	**–**

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-April 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	**–**	**–**	**–**	**592**	**–**	**40,888**	**168,851**	**1,066**	**341**	**1,407**
Algeria	–	–	–	–	–	5,252	6,855	13	44	57
Angola	–	–	–	–	–	600	3,806	27	5	32
Congo (Brazzaville)	–	–	–	–	–	126	126	–	1	1
Equatorial Guinea	–	–	–	–	–	924	1,953	9	8	16
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	17,105	45,980	241	143	383
Kuwait	–	–	–	–	–	2,776	4,371	13	23	36
Libya	–	–	–	–	–	–	7,794	65	–	65
Nigeria	–	–	–	–	–	1,023	24,033	192	9	200
Saudi Arabia	–	–	–	–	–	11,561	60,520	408	96	504
United Arab Emirates	–	–	–	592	–	1,521	2,949	12	13	25
Venezuela	–	–	–	–	–	–	10,464	87	–	87
Non-OPEC	**470**	**1,184**	**6,905**	**5,040**	**–**	**217,705**	**850,011**	**5,269**	**1,814**	**7,083**
Argentina	–	449	–	5	–	1,881	6,850	41	16	57
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	3,893	3,893	–	32	32
Bahrain	–	–	–	267	–	267	267	–	2	2
Belgium	–	–	–	11	–	3,837	3,837	–	32	32
Brazil	–	40	–	–	–	4,278	19,656	128	36	164
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	493	1,110	5	4	9
Canada	353	58	6,518	1,271	–	71,752	532,839	3,842	598	4,440
Chad	–	–	–	–	–	–	–	–	–	–
China	41	–	–	–	–	1,299	1,299	–	11	11
Colombia	–	308	72	–	–	3,448	25,385	183	29	212
Denmark	–	–	–	–	–	39	39	–	0	0
Ecuador	–	–	–	–	–	2,473	17,177	123	21	143
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	1,626	1,626	–	14	14
France	–	–	–	29	–	3,419	3,419	–	28	28
Germany	–	–	–	57	–	1,696	1,696	–	14	14
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	16,453	16,453	–	137	137
Indonesia	–	–	–	346	–	480	480	–	4	4
Italy	–	–	31	30	–	6,133	6,133	–	51	51
Korea, South	2	–	–	1,386	–	15,394	15,394	–	128	128
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	441	441	–	4	4
Malaysia	12	–	–	–	–	3,730	3,730	–	31	31
Mexico	–	–	–	–	–	23,066	107,879	707	192	899
Netherlands	–	140	–	206	–	10,719	10,719	–	89	89
Norway	–	–	–	–	–	2,795	4,130	11	23	34
Oman	–	–	–	–	–	263	263	–	2	2
Portugal	–	–	–	–	–	2,598	2,598	–	22	22
Qatar	–	–	–	1,428	–	2,560	3,077	4	21	26
Russia	–	–	–	–	–	–	–	–	–	–
Spain	3	–	108	–	–	5,929	5,929	–	49	49
Sweden	–	–	–	2	–	1,215	1,215	–	10	10
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	168	3,188	25	1	27
United Kingdom	–	25	–	–	–	6,428	11,702	44	54	98
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	59	164	176	2	–	18,885	37,540	156	159	314
Total	**470**	**1,184**	**6,905**	**5,632**	**–**	**258,593**	**1,018,862**	**6,336**	**2,155**	**8,491**
Persian Gulf[4]	**–**	**–**	**–**	**2,287**	**–**	**35,790**	**117,164**	**678**	**298**	**976**

– – = 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, April 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	**10,510**	**–**	**–**	**1,264**	**–**	**–**	**–**	**–**	**2,639**	**2,639**
Algeria	345	–	–	–	–	–	–	–	1,913	1,913
Angola	295	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	1,007	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	1,590	–	–	–	–	–	–	–	–	–
Nigeria	5,614	–	–	257	–	–	–	–	139	139
Saudi Arabia	2,666	–	–	–	–	–	–	–	387	387
United Arab Emirates	–	–	–	–	–	–	–	–	200	200
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**9,541**	**514**	**307**	**1,314**	**–**	**3,287**	**3,287**	**4,067**	**11,155**	**15,222**
Argentina	489	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	304	304	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	4	4	–	329	329
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,381	514	307	357	–	275	275	1,978	1,359	3,337
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	66	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	6	6
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	68	68	270	289	559
France	–	–	–	–	–	–	–	–	487	487
Germany	–	–	–	–	–	8	8	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	17	17	–	1,657	1,657
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	199	199	–	878	878
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	108	108	–	333	333
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	1,286	–	–	493	–	–	–	–	–	–
Netherlands	–	–	–	129	–	865	865	625	1,763	2,388
Norway	1,208	–	–	–	–	619	619	310	368	678
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	34	34	–	1,132	1,132
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	132	–	393	393	–	1,251	1,251
Sweden	–	–	–	–	–	112	112	–	210	210
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	625	–	–	–	–	–	–	884	340	1,224
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	2,552	0	0	137	–	281	281	0	753	753
Total	**20,051**	**514**	**307**	**2,578**	**–**	**3,287**	**3,287**	**4,067**	**13,794**	**17,861**
Persian Gulf[4]	**2,666**	**–**	**–**	**1,007**	**–**	**–**	**–**	**–**	**587**	**587**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 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	–	**374**	–	–	**3,942**	**1**	–	–	**3,943**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	493	–	–	–	493	–	–
Canada	–	68	–	–	3,160	1	–	–	3,161	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	289	–	–	–	289	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	164	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	19	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	123	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	0	–	–	0	–	–
Total	–	**374**	–	–	**3,942**	**1**	–	–	**3,943**	–	–
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, April 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	**–**	**824**	**–**	**–**	**28**	**57**	**85**	**–**	**–**
Algeria	–	–	–	–	28	28	56	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	29	29	–	–
Kuwait	–	409	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	415	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**1,219**	**1**	**–**	**38**	**630**	**668**	**189**	**1**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	395	1	–	38	–	38	1	1
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	370	370	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	117	–	–	–	1	1	–	–
Korea, South	–	232	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	24	24	–	–
Netherlands	–	–	–	–	–	51	51	88	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	20	20	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	475	0	–	0	164	164	77	0
Total	**–**	**2,043**	**1**	**–**	**66**	**687**	**753**	**189**	**1**
Persian Gulf[4]	**–**	**824**	**–**	**–**	**–**	**29**	**29**	**–**	**–**

See footnotes at end of table.

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

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**–**	**–**	**–**	**–**	**4,812**	**15,322**	**350**	**160**	**511**
Algeria	–	–	–	–	–	1,969	2,314	12	66	77
Angola	–	–	–	–	–	–	295	10	–	10
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	1,036	1,036	–	35	35
Kuwait	–	–	–	–	–	409	409	–	14	14
Libya	–	–	–	–	–	–	1,590	53	–	53
Nigeria	–	–	–	–	–	396	6,010	187	13	200
Saudi Arabia	–	–	–	–	–	802	3,468	89	27	116
United Arab Emirates	–	–	–	–	–	200	200	–	7	7
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**76**	**–**	**1,011**	**74**	**–**	**28,200**	**37,741**	**318**	**940**	**1,258**
Argentina	–	–	–	–	–	–	489	16	–	16
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	304	304	–	10	10
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	1	–	334	334	–	11	11
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	493	493	–	16	16
Canada	68	–	835	62	–	9,420	12,801	113	314	427
Chad	–	–	–	–	–	–	–	–	–	–
China	5	–	–	–	–	5	5	–	0	0
Colombia	–	–	–	–	–	725	725	–	24	24
Denmark	–	–	–	–	–	6	6	–	0	0
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	627	627	–	21	21
France	–	–	–	–	–	487	487	–	16	16
Germany	–	–	–	10	–	182	182	–	6	6
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	1,674	1,674	–	56	56
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	1	–	1,215	1,215	–	41	41
Korea, South	–	–	–	–	–	232	232	–	8	8
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	441	441	–	15	15
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	517	1,803	43	17	60
Netherlands	–	–	–	–	–	3,521	3,521	–	117	117
Norway	–	–	–	–	–	1,297	2,505	40	43	84
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	1,166	1,166	–	39	39
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	2	–	–	–	–	1,924	1,924	–	64	64
Sweden	–	–	–	–	–	322	322	–	11	11
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	1,244	1,869	21	41	62
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	1	–	176	0	–	2,064	4,616	85	70	154
Total	**76**	**–**	**1,011**	**74**	**–**	**33,012**	**53,063**	**668**	**1,100**	**1,769**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**2,447**	**5,113**	**89**	**82**	**170**

– – = 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, April 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	**77,753**	**1,218**	**209**	–	–	–	–	–	**309**	**309**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	77,753	1,218	209	–	–	–	–	–	309	309
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	**77,753**	**1,218**	**209**	–	–	–	–	–	**309**	**309**
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, April 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	–	**108**	–	–	**160**	**5**	**3**	–	**168**	–	**4**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	108	–	–	160	5	3	–	168	–	4
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	–	**108**	–	–	**160**	**5**	**3**	–	**168**	–	**4**
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, April 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	–	–	**9**	–	**7**	**108**	**115**	**91**	**71**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	9	–	7	108	115	91	71
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	–	–	**9**	–	**7**	**108**	**115**	**91**	**71**
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, April 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	**18**	**22**	**626**	**226**	**–**	**3,194**	**80,947**	**2,592**	**106**	**2,698**
Argentina	–	–	–	1	–	1	1	–	0	0
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2	–	2	2	–	0	0
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	17	22	626	220	–	3,187	80,940	2,592	106	2,698
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	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	1	0	0	0	–	1	1	0	0	0
Total	**18**	**22**	**626**	**226**	**–**	**3,194**	**80,947**	**2,592**	**106**	**2,698**
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, April 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	**9,009**	**–**	**–**	**7,456**	**–**	**17**	**17**	**–**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	4,116	–	–	–	–	–	–
Kuwait	368	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	4,431	–	–	3,340	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	17	17	–	–	–
Venezuela	4,210	–	–	–	–	–	–	–	–	–
Non-OPEC	**33,829**	**–**	**–**	**7,576**	**–**	**32**	**32**	**–**	**2,038**	**2,038**
Argentina	–	–	–	–	–	12	12	–	21	21
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	72	72
Brazil	510	–	–	673	–	–	–	–	112	112
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	11,875	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	2,969	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	454	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	365	–	–	–	–	902	902
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	624	624
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	15,571	–	–	4,362	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	78	78
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	20	20	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	1,096	–	–	–	–	–	–	–	–	–
United Kingdom	1,308	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	500	–	–	1,722	–	0	0	–	229	229
Total	**42,838**	**–**	**–**	**15,032**	**–**	**49**	**49**	**–**	**2,038**	**2,038**
Persian Gulf[4]	**4,799**	**–**	**–**	**7,456**	**–**	**17**	**17**	**–**	**–**	**–**

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 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	–	**360**	–	–	**293**	–	–	–	**293**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	52	–	–	–	52	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	241	–	–	–	241	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	214	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	71	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	75	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**360**	–	–	**293**	–	–	–	**293**	–	–
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, April 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**	**–**	**3**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**–**	**640**	**–**	**492**	**938**	**1,430**	**283**	**109**
Argentina	–	–	–	–	179	–	179	–	26
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	16
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	76	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	25	–	–	–	–	–	16
Germany	–	–	14	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	519	–	–	–	–	83	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	938	938	49	51
Netherlands	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	13	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	30	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	–	6	–	313	0	313	108	0
Total	**–**	**–**	**640**	**–**	**495**	**938**	**1,433**	**283**	**109**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**13**	**–**

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 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	**–**	**–**	**–**	**225**	**–**	**7,701**	**16,710**	**300**	**257**	**557**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	3	3	–	0	0
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	4,116	4,116	–	137	137
Kuwait	–	–	–	–	–	–	368	12	–	12
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	3,340	7,771	148	111	259
United Arab Emirates	–	–	–	225	–	242	242	–	8	8
Venezuela	–	–	–	–	–	–	4,210	140	–	140
Non-OPEC	**4**	**129**	**–**	**1,094**	**–**	**13,988**	**47,817**	**1,128**	**466**	**1,594**
Argentina	–	–	–	–	–	238	238	–	8	8
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	65	–	65	65	–	2	2
Belgium	–	–	–	1	–	73	73	–	2	2
Brazil	–	–	–	–	–	853	1,363	17	28	45
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	76	11,951	396	3	398
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	112	–	–	–	353	3,322	99	12	111
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	454	454	–	15	15
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	1	–	42	42	–	1	1
Germany	–	–	–	5	–	233	233	–	8	8
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	1,267	1,267	–	42	42
Indonesia	–	–	–	60	–	60	60	–	2	2
Italy	–	–	–	7	–	78	78	–	3	3
Korea, South	–	–	–	298	–	1,524	1,524	–	51	51
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	4	–	–	–	–	4	4	–	0	0
Mexico	–	–	–	–	–	5,400	20,971	519	180	699
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	78	78	–	3	3
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	657	–	670	670	–	22	22
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	75	75	–	3	3
Sweden	–	–	–	–	–	20	20	–	1	1
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	1,096	37	–	37
United Kingdom	–	17	–	–	–	47	1,355	44	2	45
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	0	–	2,378	2,878	16	78	96
Total	**4**	**129**	**–**	**1,319**	**–**	**21,689**	**64,527**	**1,428**	**723**	**2,151**
Persian Gulf[4]	**–**	**–**	**–**	**947**	**–**	**8,433**	**13,232**	**160**	**281**	**441**

– – = 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, April 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	**6,010**	**472**	–	–	–	–	–	–	**70**	**70**
Canada	6,010	472	–	–	–	–	–	–	70	70
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	–	–	–	–	–	0	0
Total	**6,010**	**472**	–	–	–	–	–	–	**70**	**70**
	PAD District 5									
OPEC	**14,374**	**49**	–	**610**	–	–	–	–	–	–
Algeria	–	–	–	610	–	–	–	–	–	–
Angola	1,905	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	5,790	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	1,033	–	–	–	–	–	–	–	–	–
Nigeria	946	–	–	–	–	–	–	–	–	–
Saudi Arabia	4,534	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**24,795**	**1,341**	–	**1,182**	–	**1,188**	**1,188**	**319**	**1,547**	**1,866**
Argentina	471	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	3,293	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	9,803	1,284	–	218	–	12	12	–	32	32
China	–	–	–	–	–	–	–	–	–	–
Colombia	2,061	–	–	–	–	–	–	–	–	–
Ecuador	3,424	–	–	311	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	257	257	–	727	727
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	1,310	–	–	300	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	308	308
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	4,433	57	–	353	–	919	919	319	480	799
Total	**39,169**	**1,390**	–	**1,792**	–	**1,188**	**1,188**	**319**	**1,547**	**1,866**
Persian Gulf[4]	**10,324**	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 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	–	**14**	–	–	**102**	–	–	–	**102**	–	–
Canada	–	14	–	–	102	–	–	–	102	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**14**	–	–	**102**	–	–	–	**102**	–	–
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**144**	**420**	–	**164**	–	–	–	**164**	–	**2**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	52	–	–	157	–	–	–	157	–	2
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	92	–	–	7	–	–	–	7	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	420	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	–	–	0	–	0
Total	–	**144**	**420**	–	**164**	–	–	–	**164**	–	**2**
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, April 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	–	**48**	–	–	–	–	–	–	–
Canada	–	48	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	–	–	–	–	–
Total	–	**48**	–	–	–	–	–	–	–
	PAD District 5								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**2,056**	**17**	**313**	**139**	–	**452**	**28**	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	12	17	–	43	–	43	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	493	–	194	96	–	290	–	–
Korea, South	–	1,472	–	–	–	–	–	–	–
Malaysia	–	–	–	119	–	–	119	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	79	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	28	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	0	–	0	0	–
Total	–	**2,056**	**17**	**313**	**139**	–	**452**	**28**	–
Persian Gulf[4]	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 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	–	–	**71**	–	–	**777**	**6,787**	**200**	**26**	**226**
Canada	–	–	71	–	–	777	6,787	200	26	226
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**71**	–	–	**777**	**6,787**	**200**	**26**	**226**
	PAD District 5									
OPEC	–	–	–	–	–	**659**	**15,033**	**479**	**22**	**501**
Algeria	–	–	–	–	–	610	610	–	20	20
Angola	–	–	–	–	–	–	1,905	64	–	64
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	5,790	193	–	193
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	1,033	34	–	34
Nigeria	–	–	–	–	–	–	946	32	–	32
Saudi Arabia	–	–	–	–	–	–	4,534	151	–	151
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**8**	–	**69**	**6**	–	**8,943**	**33,738**	**827**	**298**	**1,125**
Argentina	–	–	–	–	–	–	471	16	–	16
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	3,293	110	–	110
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	69	6	–	1,904	11,707	327	63	390
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	2,061	69	–	69
Ecuador	–	–	–	–	–	311	3,735	114	10	125
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	783	783	–	26	26
Korea, South	–	–	–	–	–	2,555	2,555	–	85	85
Malaysia	–	–	–	–	–	119	119	–	4	4
Mexico	–	–	–	–	–	300	1,610	44	10	54
Netherlands	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	499	499	–	17	17
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	8	–	–	–	–	344	344	–	11	11
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	0	–	0	0	–	2,128	6,561	147	72	218
Total	**8**	–	**69**	**6**	–	**9,602**	**48,771**	**1,306**	**320**	**1,626**
Persian Gulf[4]	–	–	–	–	–	–	**10,324**	**344**	–	**344**

– – = 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-April 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	**36,504**	**759**	**–**	**1,403**	**–**	**–**	**–**	**–**	**4,209**	**4,209**
Algeria	1,603	–	–	139	–	–	–	–	1,913	1,913
Angola	1,301	–	–	–	–	–	–	–	597	597
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	759	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	1,007	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	1	–
Libya	3,641	–	–	–	–	–	–	–	–	–
Nigeria	22,064	–	–	257	–	–	–	–	455	455
Saudi Arabia	7,895	–	–	–	–	–	–	–	1,043	1,043
United Arab Emirates	–	–	–	–	–	–	–	–	200	200
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**32,802**	**3,986**	**1,151**	**5,490**	**–**	**10,180**	**10,180**	**16,513**	**32,464**	**48,977**
Argentina	1,621	–	–	294	–	–	–	–	824	824
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	2,486	2,486	100	324	424
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	250	–	319	319	148	329	477
Brazil	627	–	–	120	–	–	–	–	143	143
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	14,763	3,986	1,151	357	–	1,135	1,135	8,866	4,885	13,751
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	501	–	–	518	–	–	–	–	35	35
Denmark	–	–	–	–	–	–	–	–	6	6
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	406	406	270	878	1,148
France	–	–	–	200	–	1,146	1,146	294	1,422	1,716
Germany	–	–	–	9	–	8	8	–	22	22
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	71	71	70	4,360	4,430
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	205	–	217	217	311	4,291	4,602
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	108	108	–	333	333
Malaysia	–	–	–	–	–	–	–	–	192	192
Mexico	8,817	–	–	1,823	–	–	–	–	–	–
Netherlands	–	–	–	583	–	1,599	1,599	2,195	3,852	6,047
Norway	1,335	–	–	–	–	1,114	1,114	310	1,342	1,652
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	34	34	–	2,564	2,564
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	249	–	721	721	–	3,596	3,596
Sweden	–	–	–	–	–	434	434	–	510	510
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	1,823	–	–	300	–	16	16	3,949	670	4,619
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	3,315	0	0	582	–	366	366	0	1,886	1,886
Total	**69,306**	**4,745**	**1,151**	**6,893**	**–**	**10,180**	**10,180**	**16,513**	**36,673**	**53,186**
Persian Gulf[4]	**7,895**	**–**	**–**	**1,007**	**–**	**–**	**–**	**–**	**1,244**	**1,244**

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-April 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	**–**	**1,886**	**–**	**–**	**21,661**	**3**	**131**	**–**	**21,795**	**504**	**18**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	90	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	493	–	–	–	493	–	–
Canada	–	305	–	–	15,486	3	–	–	15,489	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	609	–	–	–	609	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	898	–	–	–	–	–	–	–	–	–
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	–	365	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	754	0	0	–	754	0	0
Total	**–**	**1,886**	**–**	**–**	**22,772**	**3**	**131**	**–**	**22,906**	**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-April 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	**–**	**2,986**	**–**	**998**	**383**	**690**	**2,071**	**–**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	390	390	–	–
Kuwait	–	2,129	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	694	–	–	–	269	269	–	–
United Arab Emirates	–	159	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**3,573**	**8**	**–**	**1,703**	**3,821**	**5,524**	**286**	**35**
Argentina	–	–	–	–	–	–	–	–	31
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	20	–	20	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	301	–	301	–	–
Brazil	–	–	–	–	–	88	88	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	969	8	–	131	256	387	7	4
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	1,393	1,393	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	2	112	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,375	–	–	–	49	49	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	91	–
Korea, South	–	547	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	–	–	–	–	–	–
Mexico	–	13	–	–	8	1,000	1,008	–	–
Netherlands	–	–	–	–	332	160	492	88	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	652	20	672	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	475	0	0	44	852	896	77	0
Total	**–**	**6,559**	**8**	**998**	**2,086**	**4,511**	**7,595**	**286**	**35**
Persian Gulf[4]	**–**	**2,986**	**–**	**–**	**–**	**659**	**659**	**–**	**–**

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-April 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**	**–**	**12,577**	**49,081**	**304**	**105**	**409**
Algeria	–	–	–	–	–	3,335	4,938	13	28	41
Angola	–	–	–	–	–	597	1,898	11	5	16
Congo (Brazzaville)	–	–	–	–	–	126	126	–	1	1
Equatorial Guinea	–	–	–	–	–	759	759	–	6	6
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	1,401	1,401	–	12	12
Kuwait	–	–	–	–	–	2,130	2,130	–	18	18
Libya	–	–	–	–	–	–	3,641	30	–	30
Nigeria	–	–	–	–	–	1,023	23,087	184	9	192
Saudi Arabia	–	–	–	–	–	2,756	10,651	66	23	89
United Arab Emirates	–	–	–	38	–	450	450	–	4	4
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**353**	**–**	**3,252**	**403**	**–**	**107,421**	**140,223**	**273**	**895**	**1,169**
Argentina	–	–	–	–	–	1,149	2,770	14	10	23
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	2,930	2,930	–	24	24
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	3	–	1,420	1,420	–	12	12
Brazil	–	–	–	–	–	441	1,068	5	4	9
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	493	493	–	4	4
Canada	301	–	2,973	289	–	41,112	55,875	123	343	466
Chad	–	–	–	–	–	–	–	–	–	–
China	41	–	–	–	–	41	41	–	0	0
Colombia	–	–	72	–	–	2,627	3,128	4	22	26
Denmark	–	–	–	–	–	39	39	–	0	0
Ecuador	–	–	–	–	–	112	112	–	1	1
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	1,573	1,573	–	13	13
France	–	–	–	19	–	3,081	3,081	–	26	26
Germany	–	–	–	40	–	1,030	1,030	–	9	9
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	9,517	9,517	–	79	79
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	31	3	–	5,544	5,544	–	46	46
Korea, South	2	–	–	46	–	595	595	–	5	5
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	441	441	–	4	4
Malaysia	–	–	–	–	–	205	205	–	2	2
Mexico	–	–	–	–	–	2,844	11,661	73	24	97
Netherlands	–	–	–	1	–	9,000	9,000	–	75	75
Norway	–	–	–	–	–	2,795	4,130	11	23	34
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	2,598	2,598	–	22	22
Qatar	–	–	–	–	–	1,106	1,106	–	9	9
Russia	–	–	–	–	–	–	–	–	–	–
Spain	3	–	–	–	–	4,957	4,957	–	41	41
Sweden	–	–	–	1	–	945	945	–	8	8
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	5,607	7,430	15	47	62
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	6	–	176	1	–	5,219	8,534	28	42	72
Total	**353**	**–**	**3,252**	**441**	**–**	**119,998**	**189,304**	**578**	**1,000**	**1,578**
Persian Gulf[4]	**–**	**–**	**–**	**38**	**–**	**7,843**	**15,738**	**66**	**65**	**131**

– – = 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-April 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	**336,167**	**7,126**	**1,068**	**–**	**–**	**–**	**–**	**–**	**2,181**	**2,181**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	336,167	7,126	1,068	–	–	–	–	–	2,181	2,181
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	**336,167**	**7,126**	**1,068**	**–**	**–**	**–**	**–**	**–**	**2,181**	**2,181**
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-April 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	–	**409**	–	–	**1,011**	**17**	**50**	–	**1,078**	–	**16**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	409	–	–	1,011	17	50	–	1,078	–	16
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	–	**409**	–	–	**1,011**	**17**	**50**	–	**1,078**	–	**16**
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-April 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	–	–	**19**	–	**29**	**308**	**337**	**370**	**289**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	19	–	29	308	337	370	289
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	–	–	**19**	–	**29**	**308**	**337**	**370**	**289**
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-April 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	**55**	**58**	**2,864**	**971**	**–**	**16,841**	**353,008**	**2,801**	**140**	**2,942**
Argentina	–	–	–	1	–	1	1	–	0	0
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2	–	2	2	–	0	0
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	52	58	2,864	963	–	16,830	352,997	2,801	140	2,942
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	5	–	5	5	–	0	0
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	3	0	0	0	–	3	3	0	0	0
Total	**55**	**58**	**2,864**	**971**	**–**	**16,841**	**353,008**	**2,801**	**140**	**2,942**
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-April 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	**37,602**	**–**	**–**	**25,264**	**–**	**17**	**17**	**130**	**164**	**294**
Algeria	–	–	–	319	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	3,790	–	–	15,542	–	–	–	–	–	–
Kuwait	1,595	–	–	577	–	–	–	–	69	69
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	21,753	–	–	8,456	–	–	–	–	95	95
United Arab Emirates	–	–	–	370	–	17	17	130	–	130
Venezuela	10,464	–	–	–	–	–	–	–	–	–
Non-OPEC	**139,176**	**9**	**–**	**29,793**	**–**	**37**	**37**	**162**	**5,694**	**5,856**
Argentina	–	–	–	–	–	12	12	–	42	42
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	1,807	–	–	–	–	262	262
Brazil	2,089	–	–	2,956	–	–	–	–	204	204
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	42,073	9	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	15,665	–	–	–	–	–	–	–	32	32
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	2,050	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	37	37
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	1,035	–	–	–	162	2,490	2,652
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	275	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	1,033	1,033
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	3,117	–	–	–	–	–	–
Mexico	72,269	–	–	13,819	–	–	–	–	230	230
Netherlands	–	–	–	310	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	263	263
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	317	–	–	–	–	306	306
Sweden	–	–	–	199	–	20	20	–	50	50
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	2,512	–	–	–	–	–	–	–	–	–
United Kingdom	3,451	–	–	408	–	5	5	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	500	0	–	3,453	–	0	0	0	745	745
Total	**176,778**	**9**	**–**	**55,057**	**–**	**54**	**54**	**292**	**5,858**	**6,150**
Persian Gulf[4]	**27,138**	**–**	**–**	**24,945**	**–**	**17**	**17**	**130**	**164**	**294**

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-April 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	–	**981**	**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	–	563	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	140	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	37	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	241	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	–	–	0	–	–
Total	–	**981**	**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-April 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	**–**	**–**	**1,843**	**65**	**1,062**	**5,684**	**6,811**	**692**	**440**
Argentina	–	–	–	–	179	–	179	–	45
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	569	569	–	16
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	296	65	–	27	92	–	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	49	–	–	–	–	–	24
Germany	–	–	28	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	136	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	1,279	–	–	–	–	150	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	69	69	–	–
Mexico	–	–	–	–	–	5,019	5,019	199	355
Netherlands	–	–	170	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	26	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	30	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	–	21	0	883	0	883	151	0
Total	**–**	**–**	**1,843**	**65**	**1,065**	**5,846**	**6,976**	**692**	**440**
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-April 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	**–**	**–**	**–**	**554**	**–**	**26,294**	**63,896**	**313**	**219**	**532**
Algeria	–	–	–	–	–	319	319	–	3	3
Angola	–	–	–	–	–	3	3	–	0	0
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	15,704	19,494	32	131	162
Kuwait	–	–	–	–	–	646	2,241	13	5	19
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	8,551	30,304	181	71	253
United Arab Emirates	–	–	–	554	–	1,071	1,071	–	9	9
Venezuela	–	–	–	–	–	–	10,464	87	–	87
Non-OPEC	**28**	**1,126**	**–**	**3,548**	**–**	**52,065**	**191,241**	**1,160**	**434**	**1,594**
Argentina	–	449	–	4	–	731	731	–	6	6
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	267	–	267	267	–	2	2
Belgium	–	–	–	6	–	2,075	2,075	–	17	17
Brazil	–	40	–	–	–	3,837	5,926	17	32	49
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	617	5	–	5
Canada	–	–	–	–	–	397	42,470	351	3	354
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	308	–	–	–	821	16,486	131	7	137
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	2,050	2,050	–	17	17
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	53	53	–	0	0
France	–	–	–	10	–	83	83	–	1	1
Germany	–	–	–	12	–	640	640	–	5	5
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	3,823	3,823	–	32	32
Indonesia	–	–	–	346	–	346	346	–	3	3
Italy	–	–	–	27	–	442	442	–	4	4
Korea, South	–	–	–	1,310	–	3,772	3,772	–	31	31
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	12	–	–	–	–	3,198	3,198	–	27	27
Mexico	–	–	–	–	–	19,922	92,191	602	166	768
Netherlands	–	140	–	205	–	862	862	–	7	7
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	263	263	–	2	2
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	1,359	–	1,385	1,385	–	12	12
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	864	864	–	7	7
Sweden	–	–	–	1	–	270	270	–	2	2
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	2,512	21	–	21
United Kingdom	–	25	–	–	–	468	3,919	29	4	33
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	16	164	–	1	–	5,449	5,949	4	47	52
Total	**28**	**1,126**	**–**	**4,102**	**–**	**78,359**	**255,137**	**1,473**	**653**	**2,126**
Persian Gulf[4]	**–**	**–**	**–**	**2,180**	**–**	**27,624**	**54,762**	**226**	**230**	**456**

– – = 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-April 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	**31,733**	**3,233**	**1**	**–**	**–**	**–**	**–**	**–**	**450**	**450**
Canada	31,733	3,233	1	–	–	–	–	–	450	450
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	–	–	–	–	–	0	0
Total	**31,733**	**3,233**	**1**	**–**	**–**	**–**	**–**	**–**	**450**	**450**
	PAD District 5									
OPEC	**53,857**	**165**	**–**	**1,852**	**–**	**–**	**–**	**–**	**–**	**–**
Algeria	–	–	–	1,598	–	–	–	–	–	–
Angola	1,905	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	25,085	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	4,153	–	–	–	–	–	–	–	–	–
Nigeria	946	–	–	–	–	–	–	–	–	–
Saudi Arabia	19,311	–	–	254	–	–	–	–	–	–
United Arab Emirates	1,428	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**92,428**	**6,409**	**–**	**3,779**	**–**	**2,668**	**2,668**	**777**	**5,552**	**6,329**
Argentina	3,348	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	12,662	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	36,351	6,241	–	575	–	115	115	–	90	90
China	–	–	–	–	–	323	323	–	–	–
Colombia	5,771	–	–	–	–	–	–	–	–	–
Ecuador	14,704	–	–	311	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	21	21
Indonesia	–	–	–	134	–	–	–	–	–	–
Japan	–	–	–	46	–	64	64	–	229	229
Korea, South	–	–	–	–	–	1,247	1,247	–	1,893	1,893
Malaysia	–	–	–	131	–	–	–	–	77	77
Mexico	3,727	–	–	300	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	458	338	796
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	517	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	87	–	–	–	–	295	295
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	467	467
United Kingdom	–	–	–	–	–	–	–	–	353	353
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	15,348	168	–	2,195	–	919	919	319	1,789	2,108
Total	**146,285**	**6,574**	**–**	**5,631**	**–**	**2,668**	**2,668**	**777**	**5,552**	**6,329**
Persian Gulf[4]	**46,341**	**–**	**–**	**254**	**–**	**–**	**–**	**–**	**–**	**–**

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 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	–	**48**	–	–	**187**	–	–	–	**187**	–	–
Canada	–	48	–	–	187	–	–	–	187	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**48**	–	–	**187**	–	–	–	**187**	–	–
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**474**	**2,332**	–	**1,372**	–	–	–	**1,372**	–	**4**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	296	–	–	913	–	–	–	913	–	4
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	178	–	–	459	–	–	–	459	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	61	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	2,271	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	–	–	0	–	0
Total	–	**474**	**2,332**	–	**1,372**	–	–	–	**1,372**	–	**4**
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-April 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	–	**178**	**1**	**11**	**4**	–	**15**	–	–
Canada	–	178	1	11	4	–	15	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	0	–	0	–	–
Total	–	**178**	**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	–	**10,738**	**114**	**553**	**1,421**	**37**	**2,011**	**94**	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	55	114	–	160	37	197	–	–
China	–	935	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	1,101	–	194	96	–	290	–	–
Korea, South	–	7,220	–	–	–	–	–	–	–
Malaysia	–	–	–	119	–	–	119	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	79	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	304	–	–	–	–	–	94	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	1,044	0	240	1,165	0	1,405	0	–
Total	–	**10,738**	**114**	**553**	**1,421**	**37**	**2,011**	**94**	–
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-April 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	–	–	**334**	–	–	**4,447**	**36,180**	**264**	**37**	**302**
Canada	–	–	334	–	–	4,447	36,180	264	37	302
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**334**	–	–	**4,447**	**36,180**	**264**	**37**	**302**
	PAD District 5									
OPEC	–	–	–	–	–	**2,017**	**55,874**	**449**	**17**	**466**
Algeria	–	–	–	–	–	1,598	1,598	–	13	13
Angola	–	–	–	–	–	–	1,905	16	–	16
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	25,085	209	–	209
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	4,153	35	–	35
Nigeria	–	–	–	–	–	–	946	8	–	8
Saudi Arabia	–	–	–	–	–	254	19,565	161	2	163
United Arab Emirates	–	–	–	–	–	–	1,428	12	–	12
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**34**	–	**455**	**118**	–	**36,931**	**129,359**	**770**	**308**	**1,078**
Argentina	–	–	–	–	–	–	3,348	28	–	28
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	12,662	106	–	106
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	347	19	–	8,966	45,317	303	75	378
China	–	–	–	–	–	1,258	1,258	–	10	10
Colombia	–	–	–	–	–	–	5,771	48	–	48
Ecuador	–	–	–	–	–	311	15,015	123	3	125
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	21	21	–	0	0
Indonesia	–	–	–	–	–	134	134	–	1	1
Japan	–	–	–	–	–	1,730	1,730	–	14	14
Korea, South	–	–	–	30	–	11,027	11,027	–	92	92
Malaysia	–	–	–	–	–	327	327	–	3	3
Mexico	–	–	–	–	–	300	4,027	31	3	34
Netherlands	–	–	–	–	–	857	857	–	7	7
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	69	–	69	586	4	1	5
Singapore	–	–	–	–	–	2,732	2,732	–	23	23
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	34	–	–	–	–	899	899	–	7	7
United Kingdom	–	–	–	–	–	353	353	–	3	3
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	0	–	108	0	–	7,947	23,295	127	66	194
Total	**34**	–	**455**	**118**	–	**38,948**	**185,233**	**1,219**	**325**	**1,544**
Persian Gulf[4]	–	–	–	**69**	–	**323**	**46,664**	**386**	**3**	**389**

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

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

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**0**	**1,366**	**118,899**	**–**	**–**	**120,265**	**4,009**
Hydrocarbon Gas Liquids	**8,411**	**6,248**	**62,003**	**2**	**1,905**	**78,569**	**2,619**
Natural Gas Liquids	8,411	6,248	62,003	2	1,905	78,569	2,619
Ethane	1,628	1,703	11,378	–	–	14,709	490
Propane	4,227	205	38,523	2	995	43,953	1,465
Normal Butane	2,533	100	11,928	–	883	15,445	515
Isobutane	0	2	104	–	3	109	4
Natural Gasoline	22	4,239	69	–	24	4,353	145
Other Liquids	**241**	**3,817**	**10,288**	**49**	**1,223**	**15,619**	**521**
Hydrogen/Biofuels/Other Hydrocarbons	222	1,220	2,370	49	183	4,044	135
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	222	1,220	2,370	49	183	4,044	135
Fuel Ethanol	216	801	1,812	41	130	3,000	100
Biodiesel	6	419	558	7	53	1,044	35
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	17	2,539	6,900	0	844	10,301	343
Naphthas and Lighter	7	2,530	6,276	–	1	8,813	294
Kerosene and Light Gas Oils	10	10	624	0	843	1,487	50
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	2	57	1,018	0	197	1,275	42
Reformulated	–	–	63	–	–	63	2
Conventional	2	57	955	0	197	1,212	40
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**673**	**1,438**	**67,931**	**21**	**8,930**	**78,993**	**2,633**
Finished Motor Gasoline	32	346	20,796	1	756	21,931	731
Reformulated	–	–	–	–	–	–	–
Conventional	32	346	20,796	1	756	21,931	731
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	27	28	2,799	–	483	3,338	111
Kerosene	4	1	20	–	0	24	1
Distillate Fuel Oil	112	81	27,005	–	3,398	30,597	1,020
15 ppm sulfur and under	9	6	23,268	–	3,359	26,642	888
Greater than 15 ppm to 500 ppm sulfur	101	3	2,325	–	19	2,449	82
Greater than 500 ppm sulfur	2	72	1,412	–	20	1,506	50
Residual Fuel Oil	2	–	2,921	–	671	3,594	120
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	–	–	862	–	–	862	29
Special Naphthas	–	–	–	–	–	–	–
Lubricants	170	184	2,706	19	89	3,168	106
Waxes	65	24	20	0	4	112	4
Petroleum Coke	197	700	10,272	–	3,507	14,676	489
Asphalt and Road Oil	50	73	467	1	22	613	20
Miscellaneous Products	14	1	63	–	–	77	3
Total	**9,325**	**12,870**	**259,121**	**72**	**12,059**	**293,446**	**9,782**

– – = 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-April 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**1,440**	**9,480**	**478,190**	**–**	**1,053**	**490,163**	**4,085**
Hydrocarbon Gas Liquids	**29,438**	**25,768**	**257,847**	**27**	**7,139**	**320,220**	**2,668**
Natural Gas Liquids	29,438	25,768	257,847	27	7,139	320,220	2,668
Ethane	8,823	7,902	42,825	0	–	59,550	496
Propane	14,693	560	165,814	5	4,063	185,135	1,543
Normal Butane	5,769	380	48,165	0	2,996	57,310	478
Isobutane	3	6	457	–	8	474	4
Natural Gasoline	151	16,920	587	21	72	17,751	148
Other Liquids	**780**	**13,984**	**36,037**	**139**	**2,645**	**53,586**	**447**
Hydrogen/Biofuels/Other Hydrocarbons	685	4,084	7,043	137	1,031	12,980	108
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	685	4,084	7,043	137	1,031	12,980	108
Fuel Ethanol	668	3,397	6,429	130	829	11,452	95
Biodiesel	18	687	613	7	202	1,528	13
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	83	9,676	22,985	0	925	33,669	281
Naphthas and Lighter	32	9,634	21,028	0	23	30,718	256
Kerosene and Light Gas Oils	50	41	1,957	0	902	2,951	25
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	12	224	6,010	2	689	6,937	58
Reformulated	1	–	172	–	3	175	1
Conventional	11	224	5,839	2	686	6,762	56
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**7,841**	**3,317**	**294,784**	**76**	**35,809**	**341,828**	**2,849**
Finished Motor Gasoline	519	1,000	93,027	3	3,478	98,027	817
Reformulated	–	–	–	–	–	–	–
Conventional	519	1,000	93,027	3	3,478	98,027	817
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	772	115	17,153	–	2,968	21,009	175
Kerosene	13	4	575	–	1	592	5
Distillate Fuel Oil	2,108	212	107,035	0	11,329	120,685	1,006
15 ppm sulfur and under	1,383	12	91,137	0	9,296	101,829	849
Greater than 15 ppm to 500 ppm sulfur	570	30	10,126	–	526	11,252	94
Greater than 500 ppm sulfur	154	170	5,773	–	1,507	7,604	63
Residual Fuel Oil	1,356	0	12,152	–	3,303	16,811	140
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	6	–	3,846	–	50	3,901	33
Special Naphthas	–	–	–	–	–	–	–
Lubricants	838	713	10,007	66	715	12,339	103
Waxes	262	140	82	1	18	502	4
Petroleum Coke	1,619	875	48,858	0	13,848	65,200	543
Asphalt and Road Oil	285	250	1,792	6	99	2,433	20
Miscellaneous Products	64	8	257	–	0	330	3
Total	**39,500**	**52,550**	**1,066,858**	**242**	**46,647**	**1,205,797**	**10,048**

– – = 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, April 2023
(Thousand Barrels)

Destination	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	–	–	–	0	–	–	–	–	–	–
Australia	–	551	–	0	–	–	–	–	0	0
Bahamas	–	44	–	513	–	359	359	–	276	276
Bahrain	–	–	–	–	–	1	1	0	–	0
Belgium	–	2,771	–	973	–	–	–	–	–	–
Belize	–	38	–	–	–	290	290	–	–	–
Brazil	164	1,807	–	540	–	596	596	–	–	–
Canada	7,502	6,342	–	2,707	–	546	546	–	255	255
Cayman Islands	–	5	–	–	–	8	8	–	0	0
Chile	–	1,010	–	211	–	1,556	1,556	–	–	–
China	26,939	10,824	–	2	–	–	–	–	–	–
Colombia	1,223	139	–	972	–	595	595	–	–	–
Costa Rica	–	144	–	7	–	693	693	–	–	–
Denmark	1,338	–	–	–	–	–	–	–	–	–
Dominican Republic	1,052	1,205	–	4	–	663	663	–	–	–
Ecuador	–	1,074	–	–	–	599	599	–	–	–
Egypt	–	1,789	–	–	–	–	–	–	–	–
El Salvador	–	479	–	0	–	407	407	–	–	–
Finland	1,506	642	–	1	–	–	–	–	–	–
France	2,337	259	–	20	–	–	–	–	–	–
Germany	1,977	–	–	4	–	–	–	–	–	–
Ghana	–	451	–	–	–	–	–	–	–	–
Gibraltar	–	276	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	–	–	–
Guatemala	–	412	–	4	–	1,308	1,308	–	–	–
Honduras	–	390	–	6	–	457	457	–	–	–
Hong Kong	–	–	–	0	–	–	–	–	–	–
India	7,998	3,709	–	0	–	–	–	–	–	–
Indonesia	1,197	2,134	–	0	–	–	–	–	–	–
Ireland	597	–	–	–	–	–	–	–	–	–
Israel	–	–	–	–	–	–	–	–	–	–
Italy	3,936	–	–	–	–	–	–	–	–	–
Jamaica	–	121	–	–	–	136	136	–	0	0
Japan	–	11,549	–	855	–	0	0	–	–	–
Korea, South	11,453	5,000	–	0	–	0	0	–	–	–
Lebanon	–	–	–	–	–	–	–	–	–	–
Mexico	–	6,048	–	835	–	11,840	11,840	62	441	503
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	2,436	–	–	–	–	–	–	–	–
Mozambique	–	–	–	1	–	–	–	–	–	–
Netherlands	15,166	3,964	–	697	–	1	1	–	–	–
New Zealand	–	–	–	–	–	–	–	–	–	–
Nicaragua	274	–	–	–	–	41	41	–	–	–
Nigeria	–	195	–	1	–	–	–	–	–	–
Norway	–	947	–	130	–	–	–	–	–	–
Pakistan	–	–	–	–	–	–	–	–	–	–
Panama	–	518	–	0	–	626	626	–	0	0
Peru	1,114	574	–	112	–	656	656	–	239	239
Philippines	–	–	–	0	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Puerto Rico	–	13	–	0	–	1	1	–	–	–
Romania	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	1	–	1	1	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	8,667	1,430	–	851	–	–	–	–	–	–
South Africa	–	537	–	–	–	326	326	–	–	–
Spain	6,727	586	–	–	–	–	–	–	–	–
Switzerland	–	–	–	0	–	–	–	–	–	–
Taiwan	6,039	581	–	1	–	0	0	–	–	–
Thailand	801	–	–	1	–	–	–	–	–	–
Trinidad and Tobago	–	0	–	1	–	1	1	–	–	–
Turkiye	–	1,086	–	–	–	–	–	–	–	–
United Arab Emirates	–	1	–	0	–	1	1	0	–	0
United Kingdom	8,550	1,408	–	279	–	1	1	–	–	–
Venezuela	–	–	–	448	–	–	–	–	–	–
Other	3,708	5,080	–	124	–	222	222	1	1	2
Total	**120,265**	**78,569**	**–**	**10,301**	**–**	**21,931**	**21,931**	**63**	**1,212**	**1,275**

See footnotes at end of table.

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

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel[2]	Other Biofuels[2,3]	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	–	–	NA	NA	1,342	–	–	–	1,342	0	–
Australia	0	–	NA	NA	1	–	2	–	3	–	–
Bahamas	–	–	NA	NA	369	–	177	–	546	–	–
Bahrain	0	–	NA	NA	–	–	–	–	–	–	–
Belgium	0	–	NA	NA	302	–	–	–	302	–	–
Belize	0	–	NA	NA	1	103	–	–	104	–	–
Brazil	–	–	NA	NA	1,030	–	–	–	1,030	–	–
Canada	1,119	937	NA	NA	4	39	91	–	134	4	–
Cayman Islands	–	–	NA	NA	96	–	–	–	96	–	–
Chile	0	–	NA	NA	3,638	–	–	–	3,638	0	–
China	0	–	NA	NA	0	–	–	–	0	–	–
Colombia	66	–	NA	NA	220	–	–	–	220	–	–
Costa Rica	0	–	NA	NA	845	–	–	–	845	0	–
Denmark	–	–	NA	NA	–	–	–	–	–	–	–
Dominican Republic	–	–	NA	NA	534	–	351	–	884	–	–
Ecuador	–	–	NA	NA	1,056	–	–	–	1,056	–	–
Egypt	88	–	NA	NA	–	–	–	–	–	–	–
El Salvador	0	–	NA	NA	1	312	–	–	313	0	–
Finland	–	–	NA	NA	–	–	0	–	0	–	–
France	–	–	NA	NA	–	–	–	–	–	0	–
Germany	–	1	NA	NA	0	–	–	–	0	–	–
Ghana	–	–	NA	NA	–	–	–	–	–	–	–
Gibraltar	–	–	NA	NA	–	–	–	–	–	–	–
Greece	33	–	NA	NA	0	–	–	–	0	–	–
Guatemala	–	–	NA	NA	330	899	–	–	1,230	0	–
Honduras	–	–	NA	NA	–	260	267	–	527	–	–
Hong Kong	–	–	NA	NA	–	–	–	–	–	–	–
India	314	–	NA	NA	0	–	–	–	0	–	–
Indonesia	0	1	NA	NA	–	–	–	–	–	–	–
Ireland	2	–	NA	NA	–	–	–	–	–	–	–
Israel	2	–	NA	NA	–	–	–	–	–	–	–
Italy	–	–	NA	NA	–	–	–	–	–	–	–
Jamaica	59	–	NA	NA	39	–	–	–	39	–	–
Japan	0	–	NA	NA	–	–	–	–	–	–	–
Korea, South	256	–	NA	NA	2	–	–	–	2	–	–
Lebanon	–	–	NA	NA	–	–	–	–	–	–	–
Mexico	167	0	NA	NA	8,143	0	1	–	8,145	1	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	–	–	–	–	–	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	359	–	NA	NA	957	417	–	–	1,374	–	–
New Zealand	–	–	NA	NA	–	–	–	–	–	–	–
Nicaragua	0	–	NA	NA	–	108	124	–	233	18	–
Nigeria	–	–	NA	NA	–	–	–	–	–	–	–
Norway	–	2	NA	NA	147	–	–	–	147	–	–
Pakistan	–	–	NA	NA	1	–	–	–	1	–	–
Panama	–	–	NA	NA	1,142	–	–	–	1,142	0	–
Peru	69	100	NA	NA	1,664	–	–	–	1,664	–	–
Philippines	94	–	NA	NA	0	–	–	–	0	–	–
Portugal	–	–	NA	NA	–	–	–	–	–	–	–
Puerto Rico	5	–	NA	NA	474	–	–	–	474	–	–
Romania	–	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	–	–	NA	NA	1	–	–	–	1	–	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	48	3	NA	NA	631	–	–	–	631	–	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	–	–	NA	NA	249	–	–	–	249	–	–
Switzerland	2	–	NA	NA	1,020	–	–	–	1,020	–	–
Taiwan	0	–	NA	NA	0	–	–	–	0	–	–
Thailand	0	–	NA	NA	–	–	–	–	–	–	–
Trinidad and Tobago	0	–	NA	NA	0	–	–	–	0	–	–
Turkiye	–	–	NA	NA	80	–	–	–	80	–	–
United Arab Emirates	1	–	NA	NA	1	–	–	–	1	0	–
United Kingdom	248	–	NA	NA	1,850	–	–	–	1,850	–	–
Venezuela	–	–	NA	NA	1	–	–	–	1	–	–
Other	68	–	NA	NA	471	311	493	–	1,273	1	–
Total	**3,000**	**1,044**	NA	NA	**26,642**	**2,449**	**1,506**	**–**	**30,597**	**24**	**–**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 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	–	–	–	35	–	–	1	–
Australia	–	–	–	–	–	–	0	154
Bahamas	–	166	–	634	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	149
Belize	–	36	–	–	–	–	–	–
Brazil	–	–	–	157	–	–	2	1,388
Canada	–	520	–	415	–	–	79	1,003
Cayman Islands	–	12	–	0	–	–	–	–
Chile	–	100	–	0	–	–	0	0
China	–	–	–	2	–	–	2	2,137
Colombia	–	–	–	–	–	–	0	0
Costa Rica	–	169	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–
Dominican Republic	–	99	–	62	–	–	0	–
Ecuador	–	–	–	–	–	–	–	204
Egypt	–	–	–	–	–	174	–	–
El Salvador	–	25	–	–	–	–	0	–
Finland	–	–	–	0	–	–	–	–
France	–	–	–	–	–	–	0	25
Germany	–	–	–	0	–	–	1	0
Ghana	–	–	–	–	–	–	–	71
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	61
Guatemala	–	133	–	0	–	–	0	205
Honduras	–	64	–	–	–	–	–	0
Hong Kong	–	–	–	–	–	–	0	–
India	–	0	–	–	–	225	2	2,391
Indonesia	–	–	–	–	–	–	0	0
Ireland	–	–	–	–	–	–	–	121
Israel	–	–	–	–	–	–	–	0
Italy	–	–	–	–	–	–	0	480
Jamaica	–	100	–	–	–	–	–	–
Japan	–	–	–	0	–	–	0	1,854
Korea, South	–	0	–	273	–	–	0	1
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	968	–	174	–	116	17	1,859
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	–	444
Mozambique	–	–	–	–	–	–	–	153
Netherlands	–	–	–	1,442	–	–	2	–
New Zealand	–	–	–	–	–	–	–	–
Nicaragua	–	38	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	96
Pakistan	–	–	–	–	–	–	–	–
Panama	–	443	–	215	–	–	0	–
Peru	–	171	–	0	–	–	0	–
Philippines	–	–	–	–	–	–	0	–
Portugal	–	–	–	–	–	–	0	–
Puerto Rico	–	–	–	–	–	–	0	–
Romania	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	0	–	–	0	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	–	–	120	–	–	0	–
South Africa	–	–	–	–	–	–	0	117
Spain	–	–	–	1	–	–	1	16
Switzerland	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	0	1
Thailand	–	–	–	–	–	346	0	–
Trinidad and Tobago	–	130	–	–	–	–	–	–
Turkiye	–	–	–	–	–	–	0	1,145
United Arab Emirates	–	–	–	–	–	–	0	0
United Kingdom	–	–	–	0	–	–	0	322
Venezuela	–	–	–	–	–	–	0	–
Other	–	164	–	64	–	1	5	279
Total	**–**	**3,338**	**–**	**3,594**	**–**	**862**	**112**	**14,676**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 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	34	32	0	1,444	1,444	–	48	48
Australia	0	4	0	713	713	–	24	24
Bahamas	2	4	0	2,544	2,544	–	85	85
Bahrain	–	0	–	1	1	–	0	0
Belgium	0	355	1	4,552	4,552	–	152	152
Belize	–	1	–	469	469	–	16	16
Brazil	–	254	0	5,775	5,939	5	192	198
Canada	123	261	7	14,453	21,955	250	482	732
Cayman Islands	–	1	–	122	122	–	4	4
Chile	48	65	–	6,629	6,629	–	221	221
China	4	10	1	12,983	39,922	898	433	1,331
Colombia	–	150	0	2,142	3,365	41	71	112
Costa Rica	68	12	–	1,939	1,939	–	65	65
Denmark	–	0	–	0	1,338	45	0	45
Dominican Republic	60	21	–	2,998	4,050	35	100	135
Ecuador	–	39	0	2,973	2,973	–	99	99
Egypt	–	0	–	2,051	2,051	–	68	68
El Salvador	–	37	–	1,262	1,262	–	42	42
Finland	–	1	–	643	2,149	50	21	72
France	–	2	–	306	2,642	78	10	88
Germany	2	2	0	11	1,987	66	0	66
Ghana	–	0	–	522	522	–	17	17
Gibraltar	–	–	–	276	276	–	9	9
Greece	–	1	–	94	94	–	3	3
Guatemala	–	16	–	3,308	3,308	–	110	110
Honduras	110	13	–	1,567	1,567	–	52	52
Hong Kong	–	1	0	1	1	–	0	0
India	0	50	0	6,693	14,691	267	223	490
Indonesia	2	12	–	2,149	3,346	40	72	112
Ireland	–	0	0	124	720	20	4	24
Israel	–	3	–	4	4	–	0	0
Italy	1	0	–	481	4,417	131	16	147
Jamaica	–	4	0	459	459	–	15	15
Japan	1	4	2	14,265	14,265	–	476	476
Korea, South	1	11	0	5,545	16,998	382	185	567
Lebanon	–	0	–	0	0	–	0	0
Mexico	59	961	63	31,755	31,755	–	1,058	1,058
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	2,881	2,881	–	96	96
Mozambique	–	–	–	155	155	–	5	5
Netherlands	1	3	0	7,842	23,008	506	261	767
New Zealand	54	0	–	54	54	–	2	2
Nicaragua	–	3	–	332	606	9	11	20
Nigeria	–	206	–	402	402	–	13	13
Norway	–	0	–	1,322	1,322	–	44	44
Pakistan	–	0	–	1	1	–	0	0
Panama	42	150	–	3,137	3,137	–	105	105
Peru	–	50	0	3,635	4,749	37	121	158
Philippines	–	1	0	96	96	–	3	3
Portugal	–	0	–	0	0	–	0	0
Puerto Rico	1	16	–	510	510	–	17	17
Romania	–	0	–	0	0	–	0	0
Saudi Arabia	–	8	–	11	11	–	0	0
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	39	0	3,121	11,789	289	104	393
South Africa	–	67	–	1,047	1,047	–	35	35
Spain	–	2	–	854	7,580	224	28	253
Switzerland	–	0	–	1,022	1,022	–	34	34
Taiwan	–	3	0	588	6,626	201	20	221
Thailand	0	3	0	351	1,152	27	12	38
Trinidad and Tobago	–	4	–	136	136	–	5	5
Turkiye	–	67	–	2,379	2,379	–	79	79
United Arab Emirates	1	159	0	165	165	–	6	6
United Kingdom	0	3	–	4,112	12,662	285	137	422
Venezuela	–	8	–	457	457	–	15	15
Other	0	49	3	7,317	11,030	123	247	368
Total	**613**	**3,168**	**77**	**173,180**	**293,446**	**4,009**	**5,773**	**9,782**

– – = 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-April 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	–	260	–	390	390	–	–	–
Australia	3,858	1,105	–	8	–	0	0	1	0	1
Bahamas	–	184	–	981	–	1,658	1,658	–	1,330	1,330
Bahrain	–	–	–	0	–	1	1	0	–	0
Belgium	–	9,063	–	1,986	–	–	–	–	–	–
Belize	–	127	–	–	–	383	383	–	–	–
Brazil	5,265	2,723	–	3,563	–	1,024	1,024	–	0	0
Canada	36,642	26,138	–	9,974	–	2,935	2,935	–	2,813	2,813
Cayman Islands	–	12	–	–	–	59	59	0	0	0
Chile	1,419	4,277	–	434	–	3,917	3,917	–	–	–
China	76,207	48,569	–	23	–	–	–	–	0	0
Colombia	4,972	328	–	3,796	–	2,395	2,395	–	–	–
Costa Rica	–	401	–	44	–	3,726	3,726	0	–	0
Denmark	8,708	–	–	56	–	–	–	0	–	0
Dominican Republic	2,502	4,886	–	270	–	2,359	2,359	0	0	0
Ecuador	–	4,257	–	611	–	2,139	2,139	–	–	–
Egypt	–	6,539	–	–	–	–	–	–	–	–
El Salvador	–	1,261	–	0	–	1,508	1,508	–	1	1
Finland	3,682	1,821	–	1	–	–	–	–	–	–
France	20,295	2,460	–	78	–	0	0	–	–	–
Germany	12,652	183	–	16	–	–	–	–	–	–
Ghana	–	694	–	0	–	–	–	–	–	–
Gibraltar	–	1,490	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	0	0	–	–	–
Guatemala	–	1,652	–	8	–	6,906	6,906	–	–	–
Honduras	–	2,510	–	15	–	2,503	2,503	–	1	1
Hong Kong	–	–	–	4	–	1	1	–	–	–
India	20,682	13,550	–	15	–	–	–	–	–	–
Indonesia	3,526	11,513	–	1	–	–	–	–	–	–
Ireland	5,202	–	–	–	–	0	0	1	–	1
Israel	746	1	–	3	–	0	0	–	–	–
Italy	16,091	1,335	–	8	–	–	–	–	–	–
Jamaica	–	435	–	–	–	633	633	0	0	0
Japan	1,025	62,332	–	1,513	–	1	1	2	–	2
Korea, South	44,111	20,382	–	4	–	2	2	0	2	2
Lebanon	–	–	–	–	–	0	0	–	–	–
Mexico	–	26,177	–	3,220	–	56,813	56,813	170	2,043	2,213
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	8,118	–	–	–	–	–	–	–	–
Mozambique	–	–	–	1	–	–	–	–	–	–
Netherlands	62,700	11,089	–	2,303	–	325	325	–	–	–
New Zealand	–	0	–	0	–	0	0	–	–	–
Nicaragua	1,370	155	–	0	–	256	256	–	–	–
Nigeria	–	1,734	–	1	–	–	–	–	–	–
Norway	4,280	5,800	–	553	–	–	–	–	–	–
Pakistan	–	–	–	–	–	0	0	–	–	–
Panama	4,772	1,375	–	300	–	2,952	2,952	0	16	17
Peru	3,029	1,715	–	403	–	3,167	3,167	–	239	239
Philippines	–	–	–	2	–	–	–	–	–	–
Portugal	1,760	679	–	–	–	–	–	–	–	–
Puerto Rico	–	28	–	2	–	7	7	–	0	0
Romania	–	–	–	1	–	–	–	–	–	–
Saudi Arabia	–	–	–	3	–	1	1	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	32,990	2,701	–	858	–	134	134	0	–	0
South Africa	–	1,999	–	3	–	326	326	–	315	315
Spain	20,676	2,333	–	37	–	–	–	–	–	–
Switzerland	–	–	–	0	–	–	–	–	–	–
Taiwan	25,515	581	–	4	–	1	1	0	–	0
Thailand	7,200	0	–	4	–	–	–	–	–	–
Trinidad and Tobago	–	3	–	1	–	1	1	–	–	–
Turkiye	829	3,121	–	0	–	–	–	0	–	0
United Arab Emirates	–	2	–	0	–	4	4	0	–	0
United Kingdom	37,681	4,759	–	554	–	3	3	–	–	–
Venezuela	–	1	–	1,346	–	0	0	0	–	0
Other	19,776	17,622	–	401	–	1,497	1,497	1	2	2
Total	**490,163**	**320,220**	**–**	**33,669**	**–**	**98,027**	**98,027**	**175**	**6,762**	**6,937**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 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	2,964	307	1,568	–	4,840	0	–
Australia	0	–	NA	NA	1	–	2	–	3	–	–
Bahamas	0	–	NA	NA	988	–	1,077	–	2,064	5	–
Bahrain	1	–	NA	NA	–	–	–	–	–	–	–
Belgium	1	–	NA	NA	628	–	–	–	628	171	–
Belize	1	–	NA	NA	56	215	1	–	273	–	–
Brazil	1	–	NA	NA	5,763	275	–	–	6,038	295	–
Canada	4,607	1,355	NA	NA	11	694	200	–	905	13	–
Cayman Islands	0	–	NA	NA	291	–	–	–	291	–	–
Chile	0	–	NA	NA	13,859	–	–	–	13,859	0	–
China	4	–	NA	NA	3	–	–	–	3	–	–
Colombia	274	–	NA	NA	1,569	–	–	–	1,569	0	–
Costa Rica	0	–	NA	NA	2,973	–	–	–	2,973	0	–
Denmark	–	–	NA	NA	0	–	–	–	0	–	–
Dominican Republic	1	–	NA	NA	2,227	–	786	–	3,013	0	–
Ecuador	0	–	NA	NA	7,148	855	280	–	8,283	–	–
Egypt	88	–	NA	NA	0	–	–	–	0	–	–
El Salvador	0	–	NA	NA	200	1,229	–	–	1,429	0	–
Finland	16	–	NA	NA	–	–	0	–	0	–	–
France	0	–	NA	NA	1	–	–	–	1	0	–
Germany	0	6	NA	NA	0	–	–	–	0	0	–
Ghana	–	–	NA	NA	–	–	–	–	–	–	–
Gibraltar	–	–	NA	NA	327	–	–	–	327	–	–
Greece	66	–	NA	NA	0	–	–	–	0	–	–
Guatemala	0	–	NA	NA	1,863	3,200	103	–	5,165	0	–
Honduras	0	–	NA	NA	508	1,014	398	–	1,920	0	–
Hong Kong	0	–	NA	NA	–	–	–	–	–	–	–
India	1,058	–	NA	NA	130	–	0	–	130	–	–
Indonesia	0	1	NA	NA	–	–	–	–	–	–	–
Ireland	2	–	NA	NA	–	–	–	–	–	–	–
Israel	3	–	NA	NA	–	–	–	–	–	–	–
Italy	0	–	NA	NA	–	–	–	–	–	–	–
Jamaica	271	–	NA	NA	428	–	50	–	478	–	–
Japan	1	–	NA	NA	0	–	–	–	0	0	–
Korea, South	970	0	NA	NA	7	–	–	–	7	0	–
Lebanon	–	–	NA	NA	–	–	–	–	–	–	–
Mexico	548	1	NA	NA	35,849	422	9	–	36,281	3	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	–	–	–	–	–	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	886	–	NA	NA	2,434	749	–	–	3,183	0	–
New Zealand	–	–	NA	NA	–	–	–	–	–	–	–
Nicaragua	0	–	NA	NA	766	281	124	–	1,171	98	–
Nigeria	135	–	NA	NA	0	–	–	–	0	–	–
Norway	66	4	NA	NA	295	–	–	–	295	–	–
Pakistan	–	–	NA	NA	1	–	–	–	1	–	–
Panama	0	0	NA	NA	4,988	643	100	–	5,731	1	–
Peru	414	155	NA	NA	6,160	–	–	–	6,160	0	–
Philippines	283	–	NA	NA	0	–	–	–	0	0	–
Portugal	–	–	NA	NA	–	–	–	–	–	–	–
Puerto Rico	18	–	NA	NA	943	1	–	–	944	–	–
Romania	0	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	160	–	NA	NA	4	–	–	–	4	0	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	97	6	NA	NA	928	123	1,474	–	2,525	0	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	59	–	NA	NA	249	–	–	–	249	–	–
Switzerland	7	–	NA	NA	1,020	–	–	–	1,020	–	–
Taiwan	1	–	NA	NA	1	–	–	–	1	0	–
Thailand	0	–	NA	NA	–	–	–	–	–	–	–
Trinidad and Tobago	0	–	NA	NA	383	–	–	–	383	–	–
Turkiye	–	–	NA	NA	80	–	–	–	80	–	–
United Arab Emirates	122	–	NA	NA	1	–	–	–	1	2	–
United Kingdom	1,112	0	NA	NA	3,495	–	–	–	3,495	–	–
Venezuela	0	–	NA	NA	3	–	–	–	3	–	–
Other	179	–	NA	NA	2,284	1,244	1,432	–	4,959	4	–
Total	**11,452**	**1,528**	NA	NA	**101,829**	**11,252**	**7,604**	**–**	**120,685**	**592**	**–**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 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	–	–	–	35	–	71	1	119
Australia	–	–	–	–	–	–	3	519
Bahamas	–	385	–	1,553	–	–	–	–
Bahrain	–	–	–	–	–	–	–	116
Belgium	–	–	–	–	–	–	0	579
Belize	–	61	–	–	–	–	–	–
Brazil	–	309	–	425	–	–	8	6,419
Canada	–	3,489	–	1,708	–	6	370	2,803
Cayman Islands	–	94	–	0	–	–	–	–
Chile	–	1,945	–	1,175	–	–	1	0
China	–	–	–	11	–	–	13	11,599
Colombia	–	–	–	–	–	–	1	1
Costa Rica	–	791	–	114	–	–	0	182
Denmark	–	–	–	387	–	–	0	–
Dominican Republic	–	865	–	372	–	–	1	392
Ecuador	–	–	–	–	–	–	0	570
Egypt	–	–	–	0	–	528	–	275
El Salvador	–	157	–	–	–	–	0	275
Finland	–	–	–	0	–	–	–	–
France	–	–	–	270	–	–	1	385
Germany	–	–	–	0	–	–	7	0
Ghana	–	–	–	–	–	–	–	117
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	1,047
Guatemala	–	575	–	0	–	–	1	1,209
Honduras	–	204	–	–	–	–	0	483
Hong Kong	–	–	–	–	–	–	1	598
India	–	0	–	0	–	1,935	4	10,088
Indonesia	–	–	–	–	–	–	0	0
Ireland	–	–	–	–	–	–	–	121
Israel	–	334	–	–	–	–	0	325
Italy	–	–	–	–	–	182	0	1,940
Jamaica	–	641	–	101	–	–	0	0
Japan	–	–	–	1	–	–	3	5,524
Korea, South	–	0	–	832	–	–	1	293
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	6,281	–	1,060	–	255	71	6,201
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	–	2,086
Mozambique	–	–	–	–	–	–	–	398
Netherlands	–	–	–	3,470	–	–	4	575
New Zealand	–	–	–	–	–	–	0	99
Nicaragua	–	38	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	0	–
Norway	–	–	–	–	–	–	0	365
Pakistan	–	–	–	–	–	–	–	–
Panama	–	2,005	–	2,351	–	–	0	–
Peru	–	713	–	0	–	–	0	0
Philippines	–	–	–	–	–	–	0	269
Portugal	–	–	–	450	–	–	0	383
Puerto Rico	–	267	–	–	–	–	0	–
Romania	–	–	–	–	–	–	–	138
Saudi Arabia	–	–	–	0	–	–	0	1
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	10	–	120	–	50	0	–
South Africa	–	–	–	0	–	136	0	357
Spain	–	–	–	1	–	–	2	1,085
Switzerland	–	–	–	–	–	–	0	–
Taiwan	–	–	–	–	–	–	1	1
Thailand	–	–	–	0	–	740	1	0
Trinidad and Tobago	–	130	–	65	–	–	–	0
Turkiye	–	–	–	1	–	–	0	3,514
United Arab Emirates	–	–	–	494	–	–	0	305
United Kingdom	–	0	–	0	–	–	1	522
Venezuela	–	0	–	–	–	–	0	–
Other	–	1,715	–	1,815	–	0	6	2,922
Total	**–**	**21,009**	**–**	**16,811**	**–**	**3,901**	**502**	**65,200**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 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	106	150	24	5,996	5,996	–	50	50
Australia	0	20	1	1,662	5,519	32	14	46
Bahamas	10	13	2	8,186	8,186	–	68	68
Bahrain	0	1	–	118	118	–	1	1
Belgium	1	1,367	4	13,800	13,800	–	115	115
Belize	–	2	–	846	846	–	7	7
Brazil	0	1,202	2	22,010	27,274	44	183	227
Canada	523	1,022	32	58,692	95,334	305	489	794
Cayman Islands	3	5	–	464	464	–	4	4
Chile	130	270	0	26,008	27,427	12	217	229
China	12	36	3	60,271	136,478	635	502	1,137
Colombia	1	403	1	8,769	13,740	41	73	115
Costa Rica	178	58	–	8,468	8,468	–	71	71
Denmark	–	0	–	444	9,153	73	4	76
Dominican Republic	193	84	0	12,436	14,938	21	104	124
Ecuador	0	160	17	16,037	16,037	–	134	134
Egypt	–	1	–	7,431	7,431	–	62	62
El Salvador	–	103	–	4,735	4,735	–	39	39
Finland	–	2	–	1,839	5,521	31	15	46
France	–	151	–	3,345	23,640	169	28	197
Germany	11	9	0	234	12,885	105	2	107
Ghana	–	1	–	811	811	–	7	7
Gibraltar	–	–	–	1,817	1,817	–	15	15
Greece	–	2	–	1,116	1,116	–	9	9
Guatemala	–	62	23	15,601	15,601	–	130	130
Honduras	144	39	0	7,820	7,820	–	65	65
Hong Kong	–	2	0	606	606	–	5	5
India	2	180	1	26,963	47,646	172	225	397
Indonesia	3	16	0	11,535	15,062	29	96	126
Ireland	–	0	0	124	5,327	43	1	44
Israel	–	393	1	1,060	1,805	6	9	15
Italy	1	1	0	3,466	19,557	134	29	163
Jamaica	–	16	0	2,576	2,576	–	21	21
Japan	5	28	13	69,423	70,448	9	579	587
Korea, South	1	53	1	22,549	66,660	368	188	555
Lebanon	–	2	–	3	3	–	0	0
Mexico	491	4,163	156	143,933	143,933	–	1,199	1,199
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	0	–	10,204	10,204	–	85	85
Mozambique	–	0	–	400	400	–	3	3
Netherlands	3	246	1	22,084	84,784	523	184	707
New Zealand	286	2	–	388	388	–	3	3
Nicaragua	–	14	–	1,732	3,102	11	14	26
Nigeria	182	373	–	2,426	2,426	–	20	20
Norway	–	1	–	7,085	11,365	36	59	95
Pakistan	–	0	–	1	1	–	0	0
Panama	85	204	–	15,021	19,793	40	125	165
Peru	0	236	39	13,242	16,271	25	110	136
Philippines	–	3	1	558	558	–	5	5
Portugal	–	0	–	1,512	3,271	15	13	27
Puerto Rico	3	59	0	1,328	1,328	–	11	11
Romania	–	1	–	139	139	–	1	1
Saudi Arabia	–	38	0	207	207	–	2	2
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	57	0	6,559	39,550	275	55	330
South Africa	0	228	–	3,365	3,365	–	28	28
Spain	–	9	–	3,774	24,449	172	31	204
Switzerland	1	0	–	1,028	1,028	–	9	9
Taiwan	0	11	1	603	26,117	213	5	218
Thailand	3	17	1	766	7,966	60	6	66
Trinidad and Tobago	0	12	0	595	595	–	5	5
Turkiye	1	163	–	6,879	7,709	7	57	64
United Arab Emirates	5	326	0	1,262	1,262	–	11	11
United Kingdom	0	11	0	10,457	48,138	314	87	401
Venezuela	–	37	–	1,388	1,388	–	12	12
Other	49	274	6	31,436	51,215	165	263	427
Total	**2,433**	**12,339**	**330**	**715,633**	**1,205,797**	**4,085**	**5,964**	**10,048**

– – = 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, April 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	**1,130**	**-5**	**–**	**296**	**–**	**0**	**0**	**0**	**88**	**88**
Algeria	12	–	–	20	–	–	–	–	64	64
Angola	73	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	6	2	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	193	–	–	171	–	–	–	–	–	–
Kuwait	12	–	–	–	–	0	0	–	–	–
Libya	87	–	–	–	–	–	–	–	–	–
Nigeria	219	-6	–	9	–	–	–	–	5	5
Saudi Arabia	388	–	–	111	–	0	0	–	13	13
United Arab Emirates	–	0	–	0	–	1	1	0	7	7
Venezuela	140	–	–	-15	–	–	–	–	–	–
Non-OPEC	**1,055**	**-2,494**	**17**	**7**	**–**	**-581**	**-581**	**144**	**464**	**608**
Argentina	32	–	–	0	–	0	0	–	1	1
Aruba	–	0	–	0	–	-2	-2	–	–	–
Australia	–	-18	–	0	–	–	–	–	0	0
Bahamas	–	-1	–	-17	–	9	9	–	2	2
Bahrain	–	–	–	–	–	0	0	0	–	0
Belgium	–	-92	–	-32	–	0	0	–	13	13
Brazil	121	-60	–	4	–	-20	-20	–	4	4
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,377	-95	17	-71	–	-9	-9	66	50	116
Chad	–	–	–	–	–	–	–	–	–	–
China	-898	-361	–	0	–	–	–	–	–	–
Colombia	127	-5	–	-30	–	-20	-20	–	–	–
Denmark	-45	–	–	–	–	–	–	–	0	0
Dominican Republic	-35	-40	–	0	–	-22	-22	–	–	–
Ecuador	114	-36	–	26	–	-20	-20	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	-50	-21	–	0	–	2	2	9	10	19
France	-78	-9	–	-1	–	9	9	–	16	16
Germany	-66	–	–	0	–	0	0	–	–	–
Guatemala	–	-14	–	0	–	-44	-44	–	–	–
Honduras	–	-13	–	0	–	-15	-15	–	–	–
India	-267	-124	–	12	–	12	12	11	90	101
Indonesia	-40	-71	–	0	–	–	–	–	–	–
Italy	-131	–	–	5	–	7	7	–	29	29
Japan	–	-385	–	-28	–	0	0	–	6	6
Korea, South	-382	-167	–	0	–	9	9	–	45	45
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-25	–	–	–	–	4	4	–	11	11
Malaysia	–	–	–	0	–	–	–	–	–	–
Mexico	606	-202	–	144	–	-395	-395	-2	-15	-17
Netherlands	-506	-132	–	-19	–	29	29	21	59	80
Norway	40	-32	–	-4	–	21	21	10	12	23
Oman	–	–	–	0	–	–	–	–	3	3
Panama	–	-17	–	0	–	-21	-21	–	0	0
Portugal	–	–	–	–	–	1	1	–	38	38
Puerto Rico	–	0	–	0	–	0	0	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	0	–	–	–	–	–	–
Spain	-224	-20	–	4	–	13	13	–	42	42
Sweden	-51	-75	–	-4	–	4	4	–	7	7
Trinidad and Tobago	53	2	–	0	–	0	0	–	–	–
United Kingdom	-221	-47	–	-9	–	0	0	29	11	41
Vietnam	–	–	–	0	–	–	–	–	–	–
Virgin Islands, U.S.	–	-4	–	–	–	0	0	–	–	–
Yemen	–	–	–	0	–	–	–	–	–	–
Other	-396	-455	0	27	–	-133	-133	0	30	28
Total	**2,185**	**-2,499**	**17**	**303**	**–**	**-580**	**-580**	**144**	**552**	**696**
Persian Gulf[5]	**593**	**0**	**–**	**282**	**–**	**0**	**0**	**0**	**20**	**20**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 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	**0**	**–**	**–**	**–**	**0**	**–**	**–**	**–**	**0**	**0**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	0	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	0	–	–	–	0	–	–
United Arab Emirates	0	–	–	–	0	–	–	–	0	0	–
Venezuela	–	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-100**	**-1**	**14**	**–**	**-733**	**-81**	**-50**	**–**	**-864**	**-1**	**0**
Argentina	–	–	–	–	-45	–	–	–	-45	0	–
Aruba	–	–	–	–	-1	–	–	–	-1	–	–
Australia	0	–	–	–	0	–	0	–	0	–	–
Bahamas	–	–	–	–	-12	–	-6	–	-18	–	–
Bahrain	0	–	–	–	–	–	–	–	–	–	–
Belgium	0	–	–	–	-10	–	–	–	-10	–	–
Brazil	–	–	–	–	-33	–	–	–	-33	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	16	–	–	–	16	–	–
Canada	-37	-23	–	–	119	-1	-3	–	115	0	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	–	–	–	0	–	–	–	0	–	–
Colombia	-2	–	–	–	10	–	–	–	10	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Dominican Republic	–	–	–	–	-18	–	-12	–	-29	–	–
Ecuador	–	–	–	–	-35	–	–	–	-35	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	0	–	0	–	–
France	–	–	–	–	–	–	–	–	–	0	–
Germany	–	13	–	–	0	–	–	–	0	–	–
Guatemala	–	–	–	–	-11	-30	–	–	-41	0	–
Honduras	–	–	–	–	–	-9	-9	–	-18	–	–
India	-10	–	–	–	0	–	–	–	0	–	–
Indonesia	0	0	–	–	–	–	–	–	–	–	–
Italy	–	3	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	–	–	–	–	–	–	–
Korea, South	-9	3	–	–	0	–	–	–	0	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	-6	0	–	–	-271	0	0	–	-271	0	–
Netherlands	-12	–	–	–	-32	-14	–	–	-46	–	–
Norway	–	0	–	–	-5	–	–	–	-5	–	–
Oman	–	–	–	–	0	–	–	–	0	–	–
Panama	–	–	–	–	-38	–	–	–	-38	0	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	0	–	–	–	-16	–	–	–	-16	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	7	–	–	-8	–	–	–	-8	–	–
Sweden	–	–	–	–	0	–	–	–	0	–	–
Trinidad and Tobago	0	–	–	–	0	–	–	–	0	–	–
United Kingdom	-8	–	–	–	-62	–	–	–	-62	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-14	–	-12	–	-27	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-16	-4	14	–	-267	-27	-8	–	-302	-1	0
Total	**-100**	**-1**	**14**	**–**	**-733**	**-81**	**-50**	**–**	**-864**	**-1**	**0**
Persian Gulf[5]	**0**	**–**	**–**	**–**	**0**	**–**	**–**	**–**	**0**	**0**	**–**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 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**	**–**	**3**	**–**	**–**	**0**	**0**
Algeria	–	–	–	2	–	–	–	–
Angola	–	–	–	0	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	–	–	1	–	–	–	–
Kuwait	–	14	–	–	–	–	–	0
Libya	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Saudi Arabia	–	14	–	0	–	–	0	–
United Arab Emirates	–	–	–	–	–	–	0	0
Venezuela	–	–	–	–	–	–	0	–
Non-OPEC	**–**	**0**	**22**	**-31**	**20**	**-23**	**0**	**-484**
Argentina	–	–	–	5	–	1	0	–
Aruba	–	-3	–	–	–	–	–	–
Australia	–	–	–	–	–	–	0	-5
Bahamas	–	-6	–	-21	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	-5
Brazil	–	–	–	-5	–	1	0	-46
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	-2
Canada	–	-2	3	-7	3	2	0	-33
Chad	–	–	–	–	–	–	–	–
China	–	–	–	0	–	–	0	-71
Colombia	–	–	–	12	–	–	0	4
Denmark	–	–	–	–	–	–	–	–
Dominican Republic	–	-3	–	-2	–	–	0	–
Ecuador	–	–	–	–	–	–	–	-7
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	0	–	–	–	–
France	–	–	1	–	–	1	0	-1
Germany	–	–	0	0	–	–	0	0
Guatemala	–	-4	–	0	–	–	0	-7
Honduras	–	-2	–	–	–	–	–	0
India	–	0	–	–	–	-8	0	-80
Indonesia	–	–	–	–	–	–	0	0
Italy	–	4	–	0	–	–	0	-16
Japan	–	32	–	10	–	–	0	-62
Korea, South	–	57	17	-9	3	–	0	0
Latvia	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–
Malaysia	–	–	–	4	–	–	0	0
Mexico	–	-32	–	26	2	-2	-1	-62
Netherlands	–	–	–	-46	3	–	0	–
Norway	–	–	–	–	–	–	–	-3
Oman	–	–	–	–	–	–	–	–
Panama	–	-15	–	-7	–	–	0	–
Portugal	–	–	–	–	–	–	0	–
Puerto Rico	–	–	–	–	–	–	0	–
Qatar	–	–	–	–	0	–	–	0
Russia	–	–	–	–	–	–	–	–
Spain	–	–	–	0	1	–	0	-1
Sweden	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	-4	–	–	–	–	–	–
United Kingdom	–	–	–	1	1	–	0	-10
Vietnam	–	–	–	–	–	–	0	–
Virgin Islands, U.S.	–	-2	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-20	1	8	7	-18	1	-77
Total	**–**	**27**	**22**	**-28**	**20**	**-23**	**0**	**-484**
Persian Gulf[5]	**–**	**27**	**–**	**1**	**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, April 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products[4]	Total Crude Oil and Products[4]
OPEC	**0**	**-5**	**0**	**404**	**1,534**
Algeria	–	0	–	86	97
Angola	–	0	–	0	73
Congo (Brazzaville)	–	–	–	–	0
Equatorial Guinea	–	0	–	2	7
Gabon	–	–	–	0	0
Iran	–	–	–	–	–
Iraq	–	0	–	172	365
Kuwait	–	0	–	14	26
Libya	–	0	–	0	87
Nigeria	–	-7	–	0	218
Saudi Arabia	–	0	–	138	525
United Arab Emirates	0	2	0	9	9
Venezuela	–	0	–	-15	125
Non-OPEC	**39**	**-46**	**-3**	**-3,901**	**-2,846**
Argentina	-1	-1	0	-40	-8
Aruba	–	0	–	-6	-6
Australia	0	0	0	-24	-24
Bahamas	0	0	0	-53	-53
Bahrain	–	2	–	2	2
Belgium	0	-12	0	-138	-138
Brazil	–	-8	0	-164	-43
Brunei	–	–	–	–	–
Cameroon	–	0	–	15	15
Canada	49	1	0	30	3,408
Chad	–	0	–	0	0
China	0	0	0	-433	-1,331
Colombia	–	-5	0	-35	91
Denmark	–	0	–	0	-44
Dominican Republic	-2	-1	–	-100	-135
Ecuador	–	-1	0	-74	41
Estonia	–	–	–	–	–
Finland	–	0	–	-1	-51
France	–	0	–	16	-62
Germany	0	1	0	14	-52
Guatemala	–	-1	–	-110	-110
Honduras	-4	0	–	-52	-52
India	0	-2	0	-97	-364
Indonesia	0	2	–	-70	-110
Italy	0	0	–	32	-99
Japan	0	0	0	-428	-428
Korea, South	0	10	0	-41	-423
Latvia	–	0	–	0	0
Lithuania	–	0	0	15	-10
Malaysia	0	0	–	4	4
Mexico	-2	-32	-2	-851	-246
Netherlands	0	0	0	-144	-650
Norway	–	0	–	-1	39
Oman	–	0	–	3	3
Panama	-1	-5	–	-105	-105
Portugal	–	0	–	39	39
Puerto Rico	0	-1	–	-17	-17
Qatar	–	22	–	22	22
Russia	–	0	–	0	0
Spain	–	0	–	38	-186
Sweden	–	0	–	-68	-119
Trinidad and Tobago	–	0	–	-3	51
United Kingdom	0	0	–	-94	-315
Vietnam	–	0	0	0	0
Virgin Islands, U.S.	–	0	–	-33	-33
Yemen	–	0	–	0	0
Other	0	-15	-1	-949	-1,347
Total	**39**	**-51**	**-3**	**-3,497**	**-1,312**
Persian Gulf[5]	**0**	**26**	**0**	**357**	**950**

– – = 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-April 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	**1,066**	**-7**	**–**	**226**	**–**	**0**	**0**	**1**	**36**	**38**
Algeria	13	–	–	17	–	–	–	–	16	16
Angola	27	–	–	–	–	–	–	–	5	5
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	9	8	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	241	–	–	138	–	–	–	–	–	–
Kuwait	13	–	–	5	–	0	0	–	1	1
Libya	65	–	–	–	–	–	–	–	–	–
Nigeria	192	-14	–	2	–	–	–	–	4	4
Saudi Arabia	408	–	–	73	–	0	0	–	9	9
United Arab Emirates	12	0	–	3	–	0	0	1	2	3
Venezuela	87	0	–	-11	–	0	0	0	–	0
Non-OPEC	**1,185**	**-2,481**	**19**	**56**	**–**	**-709**	**-709**	**144**	**330**	**474**
Argentina	41	0	–	0	–	-3	-3	–	7	7
Aruba	–	0	–	0	–	-1	-1	–	–	–
Australia	-32	-9	–	0	–	0	0	0	0	0
Bahamas	–	-2	–	-8	–	9	9	1	-3	-2
Bahrain	–	–	–	0	–	0	0	0	–	0
Belgium	–	-76	–	1	–	3	3	1	8	9
Brazil	84	-23	–	-4	–	-9	-9	–	3	3
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	5	–	–	–	–	–	–	–	–	–
Canada	3,537	-46	19	-75	–	-14	-14	74	40	114
Chad	–	–	–	–	–	–	–	–	–	–
China	-635	-405	–	0	–	3	3	–	0	0
Colombia	141	-3	–	-27	–	-20	-20	–	1	1
Denmark	-73	–	–	0	–	–	–	0	0	0
Dominican Republic	-21	-41	–	-2	–	-20	-20	0	0	0
Ecuador	123	-35	–	15	–	-18	-18	–	–	–
Estonia	–	–	–	–	–	-1	-1	–	–	–
Finland	-31	-15	–	0	–	3	3	2	7	10
France	-169	-20	–	1	–	12	12	2	12	14
Germany	-105	-2	–	0	–	0	0	–	1	1
Guatemala	–	-14	–	0	–	-58	-58	–	–	–
Honduras	–	-21	–	0	–	-21	-21	–	0	0
India	-172	-113	–	20	–	4	4	5	64	68
Indonesia	-29	-96	–	1	–	–	–	–	–	–
Italy	-134	-11	–	5	–	2	2	3	36	38
Japan	-9	-519	–	-12	–	1	1	0	4	4
Korea, South	-368	-170	–	0	–	10	10	0	24	24
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-31	–	–	–	–	1	1	0	3	3
Malaysia	-10	–	–	27	–	0	0	–	2	2
Mexico	707	-218	–	106	–	-473	-473	-1	-15	-17
Netherlands	-523	-92	–	-12	–	11	11	22	35	57
Norway	-25	-48	–	-5	–	9	9	3	11	14
Oman	–	–	–	0	–	–	–	–	2	2
Panama	-40	-11	–	-3	–	-25	-25	0	0	0
Portugal	-15	-6	–	–	–	0	0	–	21	21
Puerto Rico	–	0	–	0	–	0	0	–	0	0
Qatar	4	0	–	0	–	–	–	–	–	–
Russia	–	–	–	0	–	–	–	–	–	–
Spain	-172	-19	–	4	–	6	6	–	33	33
Sweden	-51	-75	–	-1	–	4	4	–	5	5
Trinidad and Tobago	25	1	–	0	–	0	0	–	–	–
United Kingdom	-270	-40	–	1	–	0	0	33	9	41
Vietnam	–	0	–	0	–	–	–	–	–	–
Virgin Islands, U.S.	-12	-5	–	0	–	-8	-8	–	–	–
Yemen	–	–	–	0	–	–	–	–	–	–
Other	-555	-347	0	24	–	-116	-116	-1	20	22
Total	**2,251**	**-2,488**	**19**	**283**	**–**	**-709**	**-709**	**145**	**366**	**511**
Persian Gulf[5]	**678**	**0**	**–**	**218**	**–**	**0**	**0**	**1**	**12**	**13**

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-April 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**	**–**	**–**	**–**	**9**	**–**	**–**	**–**	**9**	**0**	**–**
Algeria	–	–	–	–	0	–	–	–	0	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	0	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	-1	–	–	–	3	–	–	–	3	–	–
Saudi Arabia	-1	–	–	–	6	–	–	–	6	0	–
United Arab Emirates	-1	–	–	–	0	–	–	–	0	0	–
Venezuela	0	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-92**	**19**	**20**	**–**	**-640**	**-94**	**-62**	**–**	**-795**	**-1**	**0**
Argentina	0	–	–	–	-25	-3	-13	–	-40	0	–
Aruba	0	–	–	–	-1	–	–	–	-1	0	–
Australia	0	–	–	–	0	–	0	–	0	–	–
Bahamas	0	–	–	–	-8	–	-9	–	-17	0	–
Bahrain	0	–	–	–	–	–	–	–	–	–	–
Belgium	0	–	–	–	-5	–	–	–	-5	-1	–
Brazil	0	1	–	–	-48	-2	–	–	-50	-2	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	4	–	–	–	4	–	–
Canada	-38	-2	–	–	147	-6	-1	–	140	0	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	–	–	–	0	–	–	–	0	–	–
Colombia	-2	–	–	–	-4	–	–	–	-4	0	–
Denmark	–	–	–	–	0	–	–	–	0	–	–
Dominican Republic	0	–	–	–	-19	–	-7	–	-25	0	–
Ecuador	0	–	–	–	-60	-7	-2	–	-69	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	0	–	0	–	–	–	0	–	0	–	–
France	0	–	–	–	0	–	–	–	0	0	–
Germany	0	12	–	–	0	–	–	–	0	0	–
Guatemala	0	–	–	–	-16	-27	-1	–	-43	0	–
Honduras	0	–	–	–	-4	-8	-3	–	-16	0	–
India	-9	–	–	–	25	–	0	–	25	4	–
Indonesia	0	0	–	–	–	–	–	–	–	–	–
Italy	0	3	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	0	–	–	–	0	0	–
Korea, South	-8	1	–	–	4	–	–	–	4	0	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-5	0	–	–	-296	-4	0	–	-300	0	–
Netherlands	-7	0	1	–	-20	-6	1	–	-25	0	0
Norway	-1	0	–	–	-2	–	0	–	-2	–	–
Oman	–	–	–	–	0	–	–	–	0	–	–
Panama	0	0	–	–	-42	-5	-1	–	-48	0	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	0	–	–	–	-8	0	–	–	-8	–	–
Qatar	–	–	–	–	9	–	–	–	9	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	0	5	–	–	-2	–	–	–	-2	–	–
Sweden	-1	–	–	–	-2	–	–	–	-2	–	–
Trinidad and Tobago	0	–	–	–	-3	–	–	–	-3	–	–
United Kingdom	-9	0	–	–	-29	–	–	–	-29	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-9	–	-8	–	-17	0	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-12	-1	19	–	-226	-26	-18	–	-271	-2	0
Total	**-95**	**19**	**20**	**–**	**-630**	**-94**	**-62**	**–**	**-786**	**-1**	**0**
Persian Gulf[5]	**-2**	**–**	**–**	**–**	**16**	**–**	**–**	**–**	**16**	**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-April 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	**–**	**25**	**–**	**15**	**–**	**–**	**0**	**-4**
Algeria	–	–	–	11	–	–	–	–
Angola	–	–	–	0	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	0	–	5	–	–	–	–
Kuwait	–	18	–	–	–	–	–	-2
Libya	–	–	–	–	–	–	0	–
Nigeria	–	–	–	0	–	–	0	–
Saudi Arabia	–	6	–	2	–	–	0	0
United Arab Emirates	–	1	–	-4	–	–	0	-3
Venezuela	–	0	–	–	–	–	0	–
Non-OPEC	**–**	**-54**	**17**	**-13**	**12**	**-26**	**0**	**-529**
Argentina	–	–	–	1	–	0	0	3
Aruba	–	-2	–	0	–	–	–	–
Australia	–	–	–	–	–	–	0	-4
Bahamas	–	-3	–	-13	–	–	–	–
Bahrain	–	–	–	–	–	–	–	-1
Belgium	–	–	–	3	–	–	0	-5
Brazil	–	-3	–	2	–	0	0	-53
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	0
Canada	–	-19	4	-6	3	2	0	-23
Chad	–	–	–	–	–	–	–	–
China	–	8	–	0	–	–	0	-97
Colombia	–	–	–	12	–	–	0	3
Denmark	–	–	–	-3	–	–	0	–
Dominican Republic	–	-7	–	-3	–	–	0	-3
Ecuador	–	–	–	1	–	–	0	-5
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	0	–	–	–	–
France	–	–	0	-2	–	0	0	-3
Germany	–	–	0	0	–	–	0	0
Guatemala	–	-5	–	0	–	–	0	-10
Honduras	–	-2	–	–	–	–	0	-4
India	–	11	–	2	1	-16	0	-84
Indonesia	–	–	–	–	–	–	0	0
Italy	–	1	–	0	1	-2	0	-16
Japan	–	13	–	2	–	–	0	-46
Korea, South	–	65	11	-7	1	–	0	-2
Latvia	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	0	–
Malaysia	–	0	–	2	–	–	0	0
Mexico	–	-52	–	41	2	1	-1	-52
Netherlands	–	–	1	-25	1	–	0	-4
Norway	–	0	–	–	–	–	0	-3
Oman	–	–	–	–	–	–	–	-4
Panama	–	-17	–	-20	–	–	0	–
Portugal	–	–	–	-4	–	–	0	-3
Puerto Rico	–	-2	–	–	–	–	0	–
Qatar	–	–	–	–	0	–	–	-1
Russia	–	–	–	–	–	–	–	–
Spain	–	–	–	0	0	–	0	-9
Sweden	–	–	–	–	–	–	0	–
Trinidad and Tobago	–	-1	–	-1	–	–	–	0
United Kingdom	–	0	–	6	0	–	0	-4
Vietnam	–	0	–	–	–	–	0	–
Virgin Islands, U.S.	–	-10	–	-11	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-29	1	10	3	-11	1	-99
Total	**–**	**-29**	**17**	**1**	**12**	**-26**	**0**	**-533**
Persian Gulf[5]	**–**	**25**	**–**	**3**	**0**	**–**	**0**	**-6**

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-April 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	**-2**	**-2**	**0**	**295**	**1,361**
Algeria	–	0	–	44	57
Angola	–	0	–	5	31
Congo (Brazzaville)	–	–	–	–	1
Equatorial Guinea	–	0	–	8	16
Gabon	–	–	–	0	0
Iran	–	–	–	–	–
Iraq	0	0	–	142	383
Kuwait	–	0	0	21	35
Libya	–	0	–	0	65
Nigeria	-2	-3	–	-12	180
Saudi Arabia	–	0	0	95	503
United Arab Emirates	0	2	0	2	14
Venezuela	–	0	–	-12	76
Non-OPEC	**39**	**-54**	**-3**	**-4,103**	**-2,919**
Argentina	-1	-1	0	-34	7
Aruba	–	0	–	-4	-4
Australia	0	0	0	-14	-46
Bahamas	0	0	0	-36	-36
Bahrain	0	2	–	1	1
Belgium	0	-11	0	-83	-83
Brazil	0	-10	0	-148	-63
Brunei	–	0	–	0	0
Cameroon	–	0	–	4	9
Canada	50	2	0	109	3,646
Chad	–	0	–	0	0
China	0	0	0	-491	-1,126
Colombia	1	-3	0	-44	97
Denmark	–	0	–	-3	-76
Dominican Republic	-2	-1	0	-104	-124
Ecuador	0	-1	0	-113	10
Estonia	–	–	–	-1	-1
Finland	–	0	–	-2	-32
France	–	-1	–	1	-169
Germany	0	0	0	12	-93
Guatemala	–	-1	0	-130	-130
Honduras	-1	0	0	-65	-65
India	0	-1	0	-88	-260
Indonesia	0	3	0	-92	-122
Italy	0	0	0	22	-112
Japan	0	0	0	-558	-567
Korea, South	0	11	0	-60	-427
Latvia	–	0	–	0	0
Lithuania	–	0	0	4	-27
Malaysia	0	0	0	31	21
Mexico	-4	-35	-1	-1,007	-300
Netherlands	0	0	0	-95	-617
Norway	–	0	–	-36	-60
Oman	–	0	–	-2	-2
Panama	-1	-2	–	-125	-165
Portugal	–	0	–	9	-6
Puerto Rico	0	0	0	-11	-11
Qatar	–	12	–	20	25
Russia	–	0	–	0	0
Spain	1	0	–	18	-154
Sweden	–	0	–	-70	-122
Trinidad and Tobago	0	0	0	-4	22
United Kingdom	0	0	0	-34	-304
Vietnam	–	0	0	0	0
Virgin Islands, U.S.	0	-1	–	-53	-64
Yemen	–	0	–	0	0
Other	-4	-16	-2	-827	-1,389
Total	**37**	**-56**	**-3**	**-3,809**	**-1,558**
Persian Gulf[5]	**0**	**16**	**0**	**282**	**960**

– – = 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, April 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	**8,147**	**120,776**	**616,538**	**25,974**	**52,170**	**823,605**
Refinery	6,584	13,413	45,258	2,381	22,847	90,483
Tank Farms and Pipelines (Includes Cushing, OK)	1,563	107,363	207,557	23,593	24,290	364,366
Cushing, Oklahoma	– –	33,247	– –	– –	– –	33,247
Leases	– –	– –	– –	– –	– –	– –
Strategic Petroleum Reserve[1]	–	–	363,723	–	–	363,723
Alaskan In Transit	– –	– –	– –	– –	5,033	5,033
Total Stocks, All Oils (excluding Crude Oil)[2]	**132,137**	**167,786**	**369,306**	**24,911**	**91,440**	**785,580**
Refinery	13,355	49,793	118,217	10,411	48,227	240,003
Bulk Terminal	89,102	80,761	191,212	7,866	38,123	407,064
Pipeline	29,377	35,381	58,281	6,455	4,816	134,310
Natural Gas Processing Plant	303	1,851	1,596	179	274	4,203
Natural Gas Liquids	**8,845**	**39,128**	**129,556**	**5,949**	**2,806**	**186,285**
Refinery	398	2,806	4,850	306	1,351	9,711
Bulk Terminal	5,399	17,441	99,937	980	1,181	124,939
Pipeline	2,745	17,030	23,173	4,484	–	47,432
Natural Gas Processing Plant	303	1,851	1,596	179	274	4,203
Ethane	**1,034**	**7,220**	**47,308**	**1,162**	**–**	**56,724**
Refinery	–	–	21	–	–	21
Bulk Terminal	471	3,234	38,260	–	–	41,965
Pipeline	563	3,760	8,976	1,157	–	14,456
Natural Gas Processing Plant	–	226	51	5	–	282
Propane	**5,620**	**13,252**	**39,219**	**1,963**	**680**	**60,734**
Refinery	81	726	840	51	143	1,841
Bulk Terminal	3,810	8,156	31,552	204	457	44,179
Pipeline	1,565	3,527	6,674	1,627	–	13,393
Natural Gas Processing Plant	164	843	153	81	80	1,321
Normal Butane	**1,691**	**6,716**	**22,504**	**1,628**	**1,655**	**34,194**
Refinery	210	1,191	2,638	176	819	5,034
Bulk Terminal	895	3,976	16,466	773	721	22,831
Pipeline	533	1,242	2,823	642	–	5,240
Natural Gas Processing Plant	53	307	577	37	115	1,089
Isobutane	**166**	**2,284**	**9,407**	**434**	**427**	**12,718**
Refinery	107	559	1,057	57	385	2,165
Bulk Terminal	–	726	6,572	–	–	7,298
Pipeline	44	830	1,526	360	–	2,760
Natural Gas Processing Plant	15	169	252	17	42	495
Natural Gasoline	**334**	**9,656**	**11,118**	**762**	**44**	**21,915**
Refinery	–	330	294	22	4	650
Bulk Terminal	223	1,349	7,087	3	3	8,666
Pipeline	40	7,671	3,174	698	–	11,583
Natural Gas Processing Plant	71	306	563	39	37	1,016
Refinery Olefins	**116**	**346**	**1,044**	**108**	**50**	**1,664**
Refinery	116	346	1,044	108	50	1,664
Ethylene	**–**	**–**	**0**	**–**	**–**	**0**
Refinery	–	–	0	–	–	0
Propylene	**116**	**308**	**837**	**3**	**15**	**1,279**
Refinery	116	308	837	3	15	1,279
Normal Butylene	**0**	**38**	**207**	**105**	**35**	**385**
Refinery	0	38	207	105	35	385
Isobutylene	**0**	**0**	**0**	**0**	**0**	**0**
Refinery	0	0	0	0	0	0
Other Hydrocarbons	**–**	**24**	**–**	**–**	**–**	**24**
Refinery	–	24	–	–	–	24
Biofuels (Including Fuel Ethanol)[2]	**8,811**	**11,145**	**6,552**	**713**	**6,076**	**33,297**
Refinery	172	151	1,310	115	1,076	2,824
Bulk Terminal	8,604	10,994	5,242	594	5,000	30,434
Pipeline	35	–	–	4	–	39
Fuel Ethanol	**7,287**	**9,746**	**4,420**	**371**	**2,261**	**24,085**
Refinery	160	132	1,210	106	163	1,771
Bulk Terminal	7,092	9,614	3,210	261	2,098	22,275
Pipeline	35	–	–	4	–	39
Biodiesel	**1,524**	**1,299**	**988**	**20**	**1,015**	**4,847**
Refinery	12	19	100	9	9	149
Bulk Terminal	1,512	1,280	888	11	1,006	4,698
Pipeline	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	**–**	**79**	**980**	**257**	**2,718**	**4,034**
Refinery	–	–	–	–	904	904
Bulk Terminal	–	79	980	257	1,814	3,130
Pipeline	– –	– –	– –	– –	– –	– –
Other Biofuels[3]	**–**	**21**	**164**	**65**	**81**	**331**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	21	164	65	81	331
Pipeline	– –	– –	– –	– –	– –	– –

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	**4,015**	**15,225**	**48,920**	**3,160**	**20,300**	**91,620**
Naphthas and Lighter	**813**	**4,034**	**11,510**	**850**	**3,177**	**20,384**
Refinery	813	4,021	10,351	850	2,879	18,914
Bulk Terminal	– –	– –	– –	– –	– –	– –
Kerosene and Light Gas Oils	**508**	**2,921**	**9,560**	**725**	**3,329**	**17,043**
Refinery	508	2,921	6,934	725	3,273	14,361
Bulk Terminal	–	–	2,626	–	56	2,682
Heavy Gas Oils	**2,139**	**5,904**	**22,118**	**1,155**	**11,074**	**42,390**
Refinery	2,132	5,499	19,728	1,155	9,459	37,973
Bulk Terminal	7	405	2,390	–	1,615	4,417
Residuum	**555**	**2,366**	**5,732**	**430**	**2,720**	**11,803**
Refinery	555	2,366	5,732	430	2,720	11,803
Bulk Terminal	–	–	–	–	–	–
Motor Gasoline Blending Components[2]	**50,365**	**42,794**	**79,993**	**6,293**	**28,448**	**207,892**
Refinery	3,545	12,758	27,214	3,005	13,278	59,800
Bulk Terminal	35,030	22,444	33,925	2,319	12,435	106,152
Pipeline	11,790	7,592	18,854	969	2,735	41,940
Reformulated - RBOB	**17,471**	**4,933**	**11,053**	**–**	**13,347**	**46,805**
Refinery	1,262	757	2,095	–	4,398	8,512
Bulk Terminal	11,082	3,022	4,125	–	7,602	25,832
Pipeline	5,127	1,154	4,833	–	1,347	12,461
Conventional	**32,894**	**37,860**	**68,940**	**6,293**	**15,100**	**161,087**
Refinery	2,283	12,001	25,119	3,005	8,880	51,288
Bulk Terminal	23,948	19,421	29,800	2,319	4,832	80,320
Pipeline	6,663	6,438	14,021	969	1,388	29,479
CBOB	**25,023**	**30,243**	**37,577**	**4,783**	**8,269**	**105,895**
Refinery	407	5,821	10,648	1,498	2,664	21,038
Bulk Terminal	18,381	18,196	13,398	2,316	4,222	56,513
Pipeline	6,235	6,226	13,531	969	1,383	28,344
GTAB	**676**	**–**	**145**	**–**	**–**	**821**
Refinery	–	–	–	–	–	–
Bulk Terminal	676	–	145	–	–	821
Pipeline	–	–	–	–	–	–
Other	**7,195**	**7,617**	**31,218**	**1,510**	**6,831**	**54,371**
Refinery	1,876	6,180	14,471	1,507	6,216	30,250
Bulk Terminal	4,891	1,225	16,257	3	610	22,986
Pipeline	428	212	490	–	5	1,135
Aviation Gasoline Blending Components	**–**	**–**	**34**	**–**	**–**	**34**
Refinery	–	–	34	–	–	34
Bulk Terminal	–	–	–	–	–	–
Finished Motor Gasoline	**2,670**	**3,173**	**6,862**	**1,002**	**1,992**	**15,699**
Refinery	37	810	2,527	694	740	4,808
Bulk Terminal	692	703	3,628	147	1,223	6,393
Pipeline	1,941	1,660	707	161	29	4,498
Reformulated	**5**	**–**	**–**	**–**	**20**	**26**
Refinery	–	–	–	–	20	20
Bulk Terminal	5	–	–	1	–	6
Pipeline	–	–	–	–	–	–
Reformulated (Blended with Fuel Ethanol)	**5**	**–**	**–**	**1**	**20**	**26**
Refinery	–	–	–	–	20	20
Bulk Terminal	5	–	–	1	–	6
Pipeline	–	–	–	–	–	–
Reformulated (Other)	**–**	**–**	**–**	**–**	**–**	**–**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	–	–
Pipeline	–	–	–	–	–	–
Conventional	**2,665**	**3,173**	**6,862**	**1,001**	**1,972**	**15,673**
Refinery	37	810	2,527	694	720	4,788
Bulk Terminal	687	703	3,628	146	1,223	6,387
Pipeline	1,941	1,660	707	161	29	4,498
Conventional (Blended with Fuel Ethanol)	**–**	**126**	**–**	**54**	**29**	**209**
Refinery	–	–	–	53	–	53
Bulk Terminal	–	126	–	1	29	156
Pipeline	–	–	–	–	–	–
Ed55 and Lower	**–**	**126**	**–**	**54**	**–**	**180**
Refinery	–	–	–	53	–	53
Bulk Terminal	–	126	–	1	–	127
Pipeline	–	–	–	–	–	–
Greater than Ed55	**–**	**–**	**–**	**–**	**29**	**29**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	29	29
Pipeline	–	–	–	–	–	–
Conventional (Other)	**2,665**	**3,047**	**6,862**	**947**	**1,943**	**15,464**
Refinery	37	810	2,527	641	720	4,735
Bulk Terminal	687	577	3,628	145	1,194	6,231
Pipeline	1,941	1,660	707	161	29	4,498

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	**172**	**181**	**542**	**9**	**240**	**1,144**
Refinery	–	41	416	9	102	568
Bulk Terminal	172	140	126	–	138	576
Pipeline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	**11,593**	**7,237**	**12,413**	**797**	**9,130**	**41,170**
Refinery	498	2,154	4,957	289	3,190	11,088
Bulk Terminal	5,629	3,350	3,481	371	5,133	17,964
Pipeline	5,466	1,733	3,975	137	807	12,118
Kerosene	**511**	**107**	**445**	**1**	**7**	**1,071**
Refinery	90	102	76	1	1	270
Bulk Terminal	404	4	357	–	6	771
Pipeline	17	1	12	–	–	30
Distillate Fuel Oil[2]	**28,144**	**27,564**	**40,274**	**3,756**	**12,323**	**112,061**
Refinery	1,953	6,147	14,777	1,483	5,072	29,432
Bulk Terminal	18,808	14,052	13,937	1,573	6,006	54,376
Pipeline	7,383	7,365	11,560	700	1,245	28,253
15 ppm sulfur and Under	**26,299**	**26,641**	**33,864**	**3,586**	**11,498**	**101,888**
Refinery	1,506	5,673	12,429	1,354	4,519	25,481
Bulk Terminal	17,638	14,008	10,441	1,532	5,767	49,386
Pipeline	7,155	6,960	10,994	700	1,212	27,021
Greater than 15 ppm to 500 ppm sulfur	**589**	**218**	**1,044**	**143**	**208**	**2,202**
Refinery	116	58	541	102	207	1,024
Bulk Terminal	473	26	322	41	1	863
Pipeline	–	134	181	–	–	315
Greater than 500 ppm sulfur	**1,256**	**705**	**5,366**	**27**	**617**	**7,971**
Refinery	331	416	1,807	27	346	2,927
Bulk Terminal	697	18	3,174	–	238	4,127
Pipeline	228	271	385	–	33	917
Residual Fuel Oil	**6,340**	**986**	**20,187**	**239**	**4,321**	**32,073**
Refinery	337	827	3,816	239	1,724	6,943
Bulk Terminal	6,003	159	16,371	–	2,597	25,130
Pipeline	–	–	–	–	–	–
Less than 0.31% Sulfur	**531**	**111**	**1,632**	**27**	**1,069**	**3,370**
Refinery	16	103	94	27	28	268
Bulk Terminal	515	8	1,538	–	1,041	3,102
0.31% to 1.00% Sulfur	**1,211**	**225**	**5,875**	**8**	**782**	**8,101**
Refinery	73	222	949	8	347	1,599
Bulk Terminal	1,138	3	4,926	–	435	6,502
Greater than 1.00% Percent Sulfur	**4,598**	**650**	**12,680**	**204**	**2,470**	**20,602**
Refinery	248	502	2,773	204	1,349	5,076
Bulk Terminal	4,350	148	9,907	–	1,121	15,526
Petrochemical Feedstocks	**–**	**593**	**2,084**	**–**	**–**	**2,677**
Refinery	–	593	2,084	–	–	2,677
Naphtha for Petrochemical Feedstock Use	–	479	1,566	–	–	2,045
Other Oils for Petrochemical Feedstock Use	–	114	518	–	–	632
Special Naphthas	**39**	**167**	**830**	**–**	**17**	**1,053**
Refinery	21	101	823	–	17	962
Bulk Terminal	18	66	7	–	–	91
Lubricants	**1,488**	**844**	**9,384**	**–**	**1,325**	**13,041**
Refinery	997	232	5,253	–	1,091	7,573
Bulk Terminal	491	612	4,131	–	234	5,468
Waxes	**325**	**61**	**259**	**–**	**–**	**645**
Refinery	325	61	259	–	–	645
Petroleum Coke	**–**	**3,004**	**3,570**	**131**	**1,113**	**7,818**
Refinery	–	3,004	3,570	131	1,113	7,818
Asphalt and Road Oil	**8,649**	**15,012**	**5,868**	**2,731**	**3,234**	**35,494**
Refinery	805	4,729	2,110	849	1,033	9,526
Bulk Terminal	7,844	10,283	3,758	1,882	2,201	25,968
Miscellaneous Products	**53**	**196**	**488**	**22**	**58**	**817**
Refinery	53	100	352	22	58	585
Bulk Terminal	–	96	136	–	–	232
Pipeline	–	–	–	–	–	–
Total Stocks, All Oils	**140,284**	**288,562**	**985,844**	**50,885**	**143,610**	**1,609,185**

– – = 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, April 2023
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components[1]			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	**5**	**724**	**729**	**12,344**	**26,231**	**38,575**	**494**
Connecticut	–	–	–	698	22	720	11
Delaware	–	–	–	602	463	1,065	83
District of Columbia	–	–	–	–	–	–	–
Florida	–	299	299	–	6,067	6,067	–
Georgia	–	43	43	–	2,243	2,243	–
Maine	–	–	–	90	457	547	71
Maryland	–	–	–	749	93	842	11
Massachusetts	4	–	4	941	–	941	–
New Hampshire	–	–	–	–	–	–	–
New Jersey	–	236	236	6,392	7,939	14,331	14
New York	1	–	1	584	1,267	1,851	184
North Carolina	–	18	18	34	1,989	2,023	11
Pennsylvania	–	–	–	390	3,718	4,108	54
Rhode Island	–	–	–	601	–	601	–
South Carolina	–	82	82	–	965	965	14
Vermont	–	–	–	–	17	17	2
Virginia	–	8	8	1,263	911	2,174	39
West Virginia	–	38	38	–	80	80	–
PAD District 2	**–**	**1,513**	**1,513**	**3,779**	**31,422**	**35,202**	**106**
Illinois	–	19	19	2,058	4,439	6,497	53
Indiana	–	120	120	640	4,830	5,470	1
Iowa	–	28	28	–	1,482	1,482	–
Kansas	–	108	108	–	2,560	2,560	14
Kentucky	–	63	63	263	1,276	1,539	–
Michigan	–	9	9	97	2,692	2,789	–
Minnesota	–	180	180	0	2,119	2,119	–
Missouri	–	76	76	132	602	734	–
Nebraska	–	37	37	–	541	541	–
North Dakota	–	35	35	–	858	858	–
Ohio	–	533	533	–	3,529	3,529	5
Oklahoma	–	189	189	–	2,573	2,573	32
South Dakota	–	19	19	–	443	443	–
Tennessee	–	38	38	–	1,897	1,897	–
Wisconsin	–	59	59	589	1,581	2,170	1
PAD District 3	**–**	**6,155**	**6,155**	**6,220**	**54,919**	**61,139**	**433**
Alabama	–	40	40	5	1,017	1,022	2
Arkansas	–	76	76	–	861	861	–
Louisiana	–	583	583	460	12,052	12,512	1
Mississippi	–	1,313	1,313	13	2,584	2,597	–
New Mexico	–	16	16	37	478	515	–
Texas	–	4,127	4,127	5,705	37,927	43,632	430
PAD District 4	**1**	**840**	**841**	**–**	**5,324**	**5,324**	**1**
Colorado	–	19	19	–	1,662	1,662	–
Idaho	–	9	9	–	463	463	–
Montana	–	294	294	–	1,267	1,267	–
Utah	1	90	91	–	1,128	1,128	1
Wyoming	–	428	428	–	804	804	–
PAD District 5	**20**	**1,943**	**1,963**	**12,000**	**13,712**	**25,713**	**7**
Alaska	–	319	319	–	579	579	6
Arizona	–	90	90	341	222	563	–
California	20	404	424	11,617	6,942	18,560	1
Hawaii	–	435	435	–	496	496	–
Nevada	–	93	93	8	350	358	–
Oregon	–	63	63	–	1,484	1,484	–
Washington	–	539	539	34	3,639	3,673	–
U.S. Total	**26**	**11,175**	**11,201**	**34,344**	**131,608**	**165,952**	**1,041**

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, April 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	**19,144**	**589**	**1,028**	**20,761**	**6,340**	**4,055**
Connecticut	1,257	–	–	1,257	9	–
Delaware	324	56	60	440	658	12
District of Columbia	–	–	–	–	–	–
Florida	1,577	74	–	1,651	538	92
Georgia	1,460	–	–	1,460	188	13
Maine	795	1	–	796	53	–
Maryland	736	–	–	736	168	–
Massachusetts	886	19	–	905	86	–
New Hampshire	259	–	–	259	27	52
New Jersey	4,151	107	497	4,755	3,944	73
New York	1,791	–	101	1,892	233	504
North Carolina	959	–	–	959	20	419
Pennsylvania	2,349	–	128	2,477	264	2,223
Rhode Island	613	–	–	613	–	–
South Carolina	777	–	–	777	42	495
Vermont	8	–	–	8	–	–
Virginia	1,076	275	242	1,593	110	5
West Virginia	126	57	–	183	–	121
PAD District 2	**19,681**	**84**	**434**	**20,199**	**986**	**9,725**
Illinois	3,036	–	2	3,038	268	608
Indiana	2,657	–	57	2,714	119	353
Iowa	1,615	1	–	1,616	1	344
Kansas	2,047	–	–	2,047	32	5,456
Kentucky	740	–	–	740	–	205
Michigan	1,337	–	–	1,337	147	1,665
Minnesota	1,307	–	201	1,508	181	149
Missouri	683	23	2	708	–	66
Nebraska	475	–	–	475	–	188
North Dakota	630	–	–	630	25	38
Ohio	1,525	2	132	1,659	94	527
Oklahoma	1,459	58	40	1,557	54	69
South Dakota	366	–	–	366	–	7
Tennessee	1,030	–	–	1,030	64	3
Wisconsin	773	–	–	773	1	47
PAD District 3	**22,870**	**863**	**4,981**	**28,714**	**20,187**	**32,545**
Alabama	795	8	51	854	510	16
Arkansas	564	–	–	564	–	45
Louisiana	5,047	295	1,085	6,427	9,047	3,303
Mississippi	1,059	271	69	1,399	408	760
New Mexico	273	–	–	273	108	4
Texas	15,132	289	3,776	19,197	10,114	28,417
PAD District 4	**2,886**	**143**	**27**	**3,056**	**239**	**336**
Colorado	565	–	–	565	7	19
Idaho	359	–	–	359	–	–
Montana	946	82	–	1,028	68	30
Utah	472	19	27	518	80	217
Wyoming	544	42	–	586	84	70
PAD District 5	**10,286**	**208**	**584**	**11,078**	**4,321**	**680**
Alaska	1,178	–	34	1,212	9	3
Arizona	597	–	–	597	–	63
California	4,577	207	315	5,099	2,595	285
Hawaii	311	1	232	544	718	74
Nevada	297	–	3	300	–	–
Oregon	1,009	–	–	1,009	174	–
Washington	2,317	–	–	2,317	825	255
U.S. Total	**74,867**	**1,887**	**7,054**	**83,808**	**32,073**	**47,341**

– = 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, April 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	**340**	**12**	**0**	**956**	**61,547**	**5,374**	**3,775**	**1,744**	**22,701**
Petroleum Products	**17,092**	**55**	**0**	**21,374**	**51,762**	**14,778**	**4,721**	**101,751**	**20,807**
Natural Gas Liquids	6,783	42	0	6,870	39,453	10,706	452	1,698	10,246
Ethane	5,129	0	–	0	18,075	3,049	–	0	903
Propane	1,003	7	0	4,586	12,142	4,025	326	1,698	1,312
Normal Butane	290	11	0	2,185	4,708	1,667	90	0	536
Isobutane	352	24	0	99	1,543	586	36	0	772
Natural Gasoline	9	0	–	0	2,985	1,379	–	0	6,722
Refinery Olefins	0	0	–	283	598	–	–	0	0
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	0	0	–	283	598	–	–	0	0
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	41	0	0	0	828	–	0	45	922
Motor Gasoline Blending Components	6,952	0	0	1,069	1,672	2,061	0	57,556	4,014
Reformulated - RBOB	0	0	0	0	210	–	0	7,691	1,783
Conventional	6,952	0	0	1,069	1,462	2,061	0	49,865	2,231
CBOB	6,952	0	0	1,069	1,203	2,061	0	48,921	1,927
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	0	0	259	–	0	944	304
Biofuels (including Fuel Ethanol)	3	0	0	9,072	6,227	423	4,060	0	3
Fuel Ethanol	0	0	0	8,977	5,956	417	3,821	0	0
Biodiesel	3	0	0	95	271	7	239	0	3
Renewable Diesel Fuel	–	0	0	–	0	–	0	–	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	57	0	0	859	25	106	0	1,966	809
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	57	0	0	859	25	106	0	1,966	809
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	57	0	0	859	25	106	0	1,966	809
Finished Aviation Gasoline	–	0	–	0	0	–	–	52	–
Kerosene-Type Jet Fuel	391	0	0	839	30	818	0	15,589	1,122
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	2,835	0	0	1,114	903	585	0	24,022	3,362
15 ppm sulfur and under	2,835	0	0	1,114	903	585	0	23,776	3,293
Greater than 15 ppm to 500 ppm sulfur	0	0	–	–	0	–	–	–	69
Greater than 500 ppm sulfur	–	0	–	0	0	–	–	246	–
Residual Fuel Oil	0	0	–	–	797	–	–	–	0
Petrochemical Feedstocks	0	0	–	–	121	–	–	–	0
Naphtha for Petrochemical Feedstock Use	0	0	–	–	98	–	–	–	0
Other Oils for Petrochemical Feedstock Use	0	0	–	–	23	–	–	–	0
Special Naphthas	0	0	–	–	0	–	–	–	42
Lubricants	0	0	0	0	20	–	0	508	176
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	6	0	446	760	6	0	10	19
Asphalt and Road Oil	30	7	0	821	327	72	209	305	83
Miscellaneous Products	0	0	–	–	0	–	–	–	9
Total	**17,432**	**67**	**0**	**22,329**	**113,309**	**20,152**	**8,496**	**103,495**	**43,508**

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, April 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**	**23,894**	**1,020**	**0**	**0**	**0**	**0**
Petroleum Products	**0**	**4,295**	**13**	**21,781**	**4,071**	**1,983**	**3**	**210**	**74**
Natural Gas Liquids	0	21	0	21,131	3,697	204	0	0	0
Ethane	0	–	0	6,590	1,291	–	0	0	0
Propane	0	0	0	7,598	1,167	130	0	0	0
Normal Butane	0	2	0	3,136	452	60	0	0	0
Isobutane	0	19	0	1,206	282	15	0	0	0
Natural Gasoline	0	–	0	2,601	505	–	0	0	0
Refinery Olefins	–	–	0	0	0	–	0	0	–
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	–	–	0	0	0	–	0	0	–
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	–	0	0	0	0	0	0	85	–
Motor Gasoline Blending Components	0	2,572	0	159	0	1,122	0	50	0
Reformulated - RBOB	–	1,189	0	0	0	0	0	0	–
Conventional	0	1,383	0	159	0	1,122	0	50	0
CBOB	0	1,383	0	159	0	1,122	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	0	0	0	50	–
Biofuels (including Fuel Ethanol)	0	886	0	0	0	55	0	0	6
Fuel Ethanol	0	309	0	0	0	55	0	0	0
Biodiesel	0	3	0	0	0	0	0	0	6
Renewable Diesel Fuel	–	574	–	–	0	0	–	0	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	0	0	0	130	0	101	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	0	0	0	130	0	101	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	0	0	0	130	0	101	0	0	0
Finished Aviation Gasoline	–	–	0	–	0	–	0	0	–
Kerosene-Type Jet Fuel	0	110	0	0	0	1	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	0	588	0	208	0	307	0	49	0
15 ppm sulfur and under	0	588	0	208	0	307	0	49	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	3	0	82	209	73	3	26	16
Asphalt and Road Oil	0	107	13	71	165	119	0	0	52
Miscellaneous Products	–	–	–	0	0	–	–	0	–
Total	**0**	**4,295**	**13**	**45,675**	**5,091**	**1,983**	**3**	**210**	**74**

– = 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, April 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	**160**	**12**	**248**	**61,371**	**5,374**	**107**	**22,701**	**0**	**–**
Petroleum Products	**16,652**	**0**	**9,274**	**41,170**	**14,276**	**78,336**	**18,705**	**0**	**3,190**
Natural Gas Liquids	6,470	0	6,227	39,008	10,706	1,561	10,093	0	–
Ethane	5,129	0	0	18,075	3,049	0	903	0	–
Propane	934	0	4,201	11,862	4,025	1,561	1,297	0	–
Normal Butane	119	0	2,026	4,627	1,667	0	536	0	–
Isobutane	279	0	0	1,459	586	0	635	0	–
Natural Gasoline	9	0	0	2,985	1,379	0	6,722	0	–
Motor Gasoline Blending Components	6,899	0	683	1,314	2,061	44,019	3,809	0	2,492
Reformulated - RBOB	0	0	0	210	–	7,691	1,783	–	1,109
Conventional	6,899	0	683	1,104	2,061	36,328	2,026	0	1,383
CBOB	6,899	0	683	1,104	2,061	35,484	1,927	0	1,383
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	0	0	–	844	99	–	–
Biofuels (including Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Fuel Ethanol	–	–	–	–	–	–	–	–	–
Biodiesel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Other Biofuels[1]	– –	– –	– –	– –	– –	– –	– –	– –	– –
Finished Motor Gasoline	57	0	799	0	106	1,168	632	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	57	0	799	0	106	1,168	632	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	57	0	799	0	106	1,168	632	0	0
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	391	0	820	30	818	11,955	1,122	0	110
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	2,835	0	745	818	585	19,633	3,049	0	588
15 ppm sulfur and under	2,835	0	745	818	585	19,469	2,980	0	588
Greater than 15 ppm to 500 ppm sulfur	0	0	–	0	–	–	69	–	–
Greater than 500 ppm sulfur	– –	– –	– –	– –	– –	– –	– –	– –	– –
Residual Fuel Oil	–	–	–	–	–	–	–	–	–
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total	**16,812**	**12**	**9,522**	**102,541**	**19,650**	**78,443**	**41,406**	**0**	**3,190**

See footnotes at end of table.

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

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	**0**	**23,894**	**317**	**–**	**0**	**0**
Petroleum Products	**0**	**21,628**	**3,697**	**1,531**	**0**	**0**
Natural Gas Liquids	0	21,131	3,697	–	0	0
Ethane	0	6,590	1,291	–	0	0
Propane	0	7,598	1,167	–	0	0
Normal Butane	0	3,136	452	–	0	0
Isobutane	0	1,206	282	–	0	0
Natural Gasoline	0	2,601	505	–	0	0
Motor Gasoline Blending Components	0	159	0	1,122	0	0
Reformulated - RBOB	0	0	0	0	0	–
Conventional	0	159	0	1,122	0	0
CBOB	0	159	0	1,122	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	130	0	101	0	0
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	130	0	101	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	130	0	101	0	0
Finished Aviation Gasoline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	0	0	1	0	0
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	0	208	0	307	0	0
15 ppm sulfur and under	0	208	0	307	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**	**45,522**	**4,014**	**1,531**	**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, April 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	**180**	**0**	**–**	**273**	**176**	**–**
Petroleum Products	**94**	**0**	**0**	**1,252**	**2,874**	**0**
Natural Gas Liquids	–	0	–	0	0	–
Ethane	–	–	–	–	–	–
Propane	–	0	–	0	0	–
Normal Butane	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–
Unfinished Oils	41	0	0	0	828	0
Motor Gasoline Blending Components	53	0	0	386	358	0
Reformulated - RBOB	–	0	0	–	0	0
Conventional	53	0	0	386	358	0
CBOB	53	0	–	386	99	–
GTAB	–	–	–	–	–	–
Other	0	0	0	0	259	0
Biofuels (including Fuel Ethanol)	0	0	0	317	563	0
Fuel Ethanol	0	0	–	317	524	–
Biodiesel	0	0	–	–	39	–
Renewable Diesel Fuel	–	0	0	–	0	0
Other Biofuels[1]	–	–	–	–	–	–
Finished Motor Gasoline	0	0	–	60	25	–
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	0	–	60	25	–
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	0	–	60	25	–
Finished Aviation Gasoline	–	0	–	0	0	–
Kerosene-Type Jet Fuel	0	0	–	19	0	–
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	0	0	0	369	85	0
15 ppm sulfur and under	0	0	0	369	85	0
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–
Greater than 500 ppm sulfur	–	0	–	0	0	–
Residual Fuel Oil	0	0	–	–	797	–
Less than 0.31 percent sulfur	0	0	–	–	80	–
0.31 to 1.00 percent sulfur	0	0	–	–	236	–
Greater than 1.00 percent sulfur	0	0	–	–	481	–
Petrochemical Feedstocks	0	0	–	–	121	–
Naphtha for Petrochemical Feedstock Use	0	0	–	–	98	–
Other Oils for Petrochemical Feedstock Use	0	0	–	–	23	–
Special Naphthas	0	0	–	–	0	–
Lubricants	0	0	0	0	20	0
Waxes	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–
Asphalt and Road Oil	0	0	–	101	77	–
Miscellaneous Products	0	0	–	–	0	–
Total	**274**	**0**	**0**	**1,525**	**3,050**	**0**

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 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	**1,637**	**–**	**1,637**	**–**	**0**	**–**	**0**	**0**	**0**
Petroleum Products	**23,220**	**–**	**522**	**22,698**	**1,880**	**662**	**0**	**0**	**184**
Natural Gas Liquids	31	–	–	31	–	–	0	–	0
Ethane	–	–	–	–	–	–	–	–	–
Propane	31	–	–	31	–	–	0	–	0
Normal Butane	–	–	–	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–	–	–	–
Unfinished Oils	45	–	45	–	922	0	0	0	85
Motor Gasoline Blending Components	13,537	–	100	13,437	205	80	0	0	50
Reformulated - RBOB	–	–	–	–	–	80	–	–	0
Conventional	13,537	–	100	13,437	205	0	0	0	50
CBOB	13,437	–	–	13,437	0	–	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	100	–	100	–	205	0	0	0	50
Biofuels (including Fuel Ethanol)	0	–	–	–	0	574	0	0	0
Fuel Ethanol	0	–	–	–	0	–	0	0	0
Biodiesel	–	–	–	–	0	–	–	0	0
Renewable Diesel Fuel	–	–	–	–	–	574	–	–	0
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	798	–	–	798	177	–	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	798	–	–	798	177	–	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	798	–	–	798	177	–	0	0	0
Finished Aviation Gasoline	52	–	–	52	–	–	0	–	0
Kerosene-Type Jet Fuel	3,634	–	–	3,634	0	–	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	4,389	–	–	4,389	313	0	0	0	49
15 ppm sulfur and under	4,307	–	–	4,307	313	0	0	0	49
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	–
Greater than 500 ppm sulfur	82	–	–	82	–	–	0	–	0
Residual Fuel Oil	–	–	–	–	0	–	–	0	0
Less than 0.31 percent sulfur	–	–	–	–	0	–	–	0	0
0.31 to 1.00 percent sulfur	–	–	–	–	0	–	–	0	0
Greater than 1.00 percent sulfur	–	–	–	–	0	–	–	0	0
Petrochemical Feedstocks	–	–	–	–	0	–	–	0	0
Naphtha for Petrochemical Feedstock Use	–	–	–	–	0	–	–	0	0
Other Oils for Petrochemical Feedstock Use	–	–	–	–	0	–	–	0	0
Special Naphthas	–	–	–	–	42	–	–	0	0
Lubricants	508	–	377	131	176	8	0	0	0
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	226	–	–	226	36	–	0	0	0
Miscellaneous Products	–	–	–	–	9	–	–	0	0
Total	**24,857**	**–**	**2,159**	**22,698**	**1,880**	**662**	**0**	**0**	**184**

– = 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, April 2023
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	435	0	0	3,775
Propane	69	7	0	0	385	280	0	326
Propylene	0	0	–	–	283	598	–	–
Normal Butane	171	11	0	0	159	81	0	90
Isobutane	73	24	0	0	99	84	0	36
Fuel Ethanol	0	0	0	0	8,660	5,432	417	3,821
Biodiesel	3	0	0	0	95	232	7	239
Marketable Petroleum Coke	0	6	0	0	446	760	6	0
Asphalt and Road Oil	30	7	0	0	720	250	72	209

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	703	0
Propane	106	15	0	0	0	0	0	130
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	0	0	2	0	0	0	60
Isobutane	0	137	0	19	0	0	0	15
Fuel Ethanol	0	0	0	309	0	0	0	55
Biodiesel	0	3	0	3	0	0	0	0
Marketable Petroleum Coke	10	19	0	3	0	82	209	73
Asphalt and Road Oil	79	47	0	107	13	71	165	119

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	6
Marketable Petroleum Coke	3	13	26	16
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, April 2023
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	160	180	0	340
3	12	0	0	12
4	0	–	0	0
5	–	–	0	0
From 2 to				
1	248	273	435	956
3	61,371	176	0	61,547
4	5,374	–	0	5,374
5	–	–	3,775	3,775
From 3 to				
1	107	1,637	0	1,744
2	22,701	0	0	22,701
4	0	–	0	0
5	–	–	0	0
From 4 to				
1	0	0	0	0
2	23,894	0	0	23,894
3	317	0	703	1,020
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, April 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	**2,700**	**352**	**2,348**	**46,935**	**71,652**	**-24,717**	**62,579**	**24,445**	**38,134**
Petroleum Products	**123,141**	**17,147**	**105,994**	**59,693**	**92,635**	**-32,942**	**56,098**	**126,853**	**-70,755**
Natural Gas Liquids	8,568	6,824	1,744	38,159	57,481	-19,322	43,192	11,964	31,228
Ethane	0	5,129	-5,129	12,622	21,124	-8,502	19,366	903	18,463
Propane	6,284	1,010	5,274	9,913	21,079	-11,166	13,316	3,010	10,306
Normal Butane	2,185	301	1,884	3,962	8,650	-4,688	5,171	538	4,634
Isobutane	99	376	-276	2,330	2,264	66	1,849	791	1,057
Natural Gasoline	0	9	-9	9,332	4,364	4,968	3,490	6,722	-3,232
Refinery Olefins	283	0	283	0	882	-882	598	0	598
Ethylene	–	–	–	–	–	–	0	0	–
Propylene	283	0	283	0	882	-882	598	0	598
Normal Butylene	0	0	–	0	0	–	0	0	–
Isobutylene	0	0	–	0	0	–	0	0	–
Unfinished Oils	45	41	4	963	828	135	913	967	-54
Motor Gasoline Blending Components	58,625	6,952	51,673	11,125	4,802	6,323	1,722	64,142	-62,420
Reformulated - RBOB	7,691	0	7,691	1,783	210	1,573	210	10,663	-10,453
Conventional	50,934	6,952	43,982	9,342	4,592	4,750	1,512	53,479	-51,967
CBOB	49,990	6,952	43,038	9,038	4,333	4,705	1,203	52,231	-51,028
GTAB	0	0	–	–	–	–	0	0	–
Other	944	0	944	304	259	45	309	1,248	-939
Biofuels (including Fuel Ethanol)	9,072	3	9,069	5	19,783	-19,778	6,227	889	5,338
Fuel Ethanol	8,977	0	8,977	0	19,171	-19,171	5,956	309	5,647
Biodiesel	95	3	92	5	612	-606	271	6	266
Renewable Diesel Fuel	–	–	–	0	0	–	0	574	-574
Other Biofuels[2]	–	–	–	0	0	–	0	0	–
Finished Motor Gasoline	2,825	57	2,768	996	990	6	25	2,775	-2,750
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	2,825	57	2,768	996	990	6	25	2,775	-2,750
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	2,825	57	2,768	996	990	6	25	2,775	-2,750
Finished Aviation Gasoline	52	0	52	0	0	–	0	52	-52
Kerosene-Type Jet Fuel	16,428	391	16,037	1,513	1,687	-174	30	16,821	-16,791
Kerosene	0	0	–	0	0	–	0	0	–
Distillate Fuel Oil	25,136	2,835	22,301	6,405	2,602	3,803	952	27,972	-27,020
15 ppm sulfur and under	24,890	2,835	22,055	6,336	2,602	3,734	952	27,657	-26,705
Greater than 15 ppm to 500 ppm sulfur	0	0	–	69	0	69	0	69	-69
Greater than 500 ppm sulfur	246	0	246	0	0	–	0	246	-246
Residual Fuel Oil	0	0	–	0	797	-797	797	0	797
Petrochemical Feedstocks	0	0	–	0	121	-121	121	0	121
Naphtha for Petrochemical Feedstock Use	0	0	–	0	98	-98	98	0	98
Other Oils for Petrochemical Feedstock Use	0	0	–	0	23	-23	23	0	23
Special Naphthas	0	0	–	42	0	42	0	42	-42
Lubricants	508	0	508	176	20	156	20	692	-672
Waxes	0	0	–	0	0	–	0	0	–
Marketable Petroleum Coke	459	6	453	115	1,213	-1,099	1,001	32	969
Asphalt and Road Oil	1,139	37	1,102	185	1,429	-1,245	499	495	4
Miscellaneous Products	0	0	–	9	0	9	0	9	-9
Total	**125,841**	**17,499**	**108,342**	**106,628**	**164,287**	**-57,659**	**118,677**	**151,298**	**-32,621**

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, April 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	**5,374**	**24,914**	**-19,540**	**3,775**	**0**	**3,775**
Petroleum Products	**14,852**	**27,848**	**-12,996**	**10,998**	**300**	**10,699**
Natural Gas Liquids	10,706	25,032	-14,326	677	0	677
Ethane	3,049	7,881	-4,832	0	0	–
Propane	4,025	8,895	-4,870	456	0	456
Normal Butane	1,667	3,648	-1,981	151	0	151
Isobutane	586	1,503	-917	70	0	70
Natural Gasoline	1,379	3,106	-1,727	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	85	-85
Motor Gasoline Blending Components	2,061	1,281	780	3,694	50	3,644
Reformulated - RBOB	–	–	–	1,189	0	1,189
Conventional	2,061	1,281	780	2,505	50	2,455
CBOB	2,061	1,281	780	2,505	0	2,505
GTAB	–	–	–	–	–	–
Other	0	0	–	0	50	-50
Biofuels (including Fuel Ethanol)	430	55	374	5,002	6	4,996
Fuel Ethanol	417	55	361	4,186	0	4,186
Biodiesel	13	0	13	242	6	236
Renewable Diesel Fuel	0	0	–	574	0	574
Other Biofuels[2]	0	0	–	0	0	–
Finished Motor Gasoline	106	231	-125	101	0	101
Reformulated	0	0	–	0	0	–
Reformulated Blended with Fuel Ethanol	0	0	–	0	0	–
Reformulated Other	–	–	–	–	–	–
Conventional	106	231	-125	101	0	101
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	106	231	-125	101	0	101
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	818	1	817	111	0	111
Kerosene	0	0	–	0	0	–
Distillate Fuel Oil	585	515	70	895	49	846
15 ppm sulfur and under	585	515	70	895	49	846
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	23	364	-341	76	58	18
Asphalt and Road Oil	124	368	-244	435	52	383
Miscellaneous Products	0	0	–	0	0	–
Total	**20,226**	**52,761**	**-32,535**	**14,773**	**300**	**14,474**

– = 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.

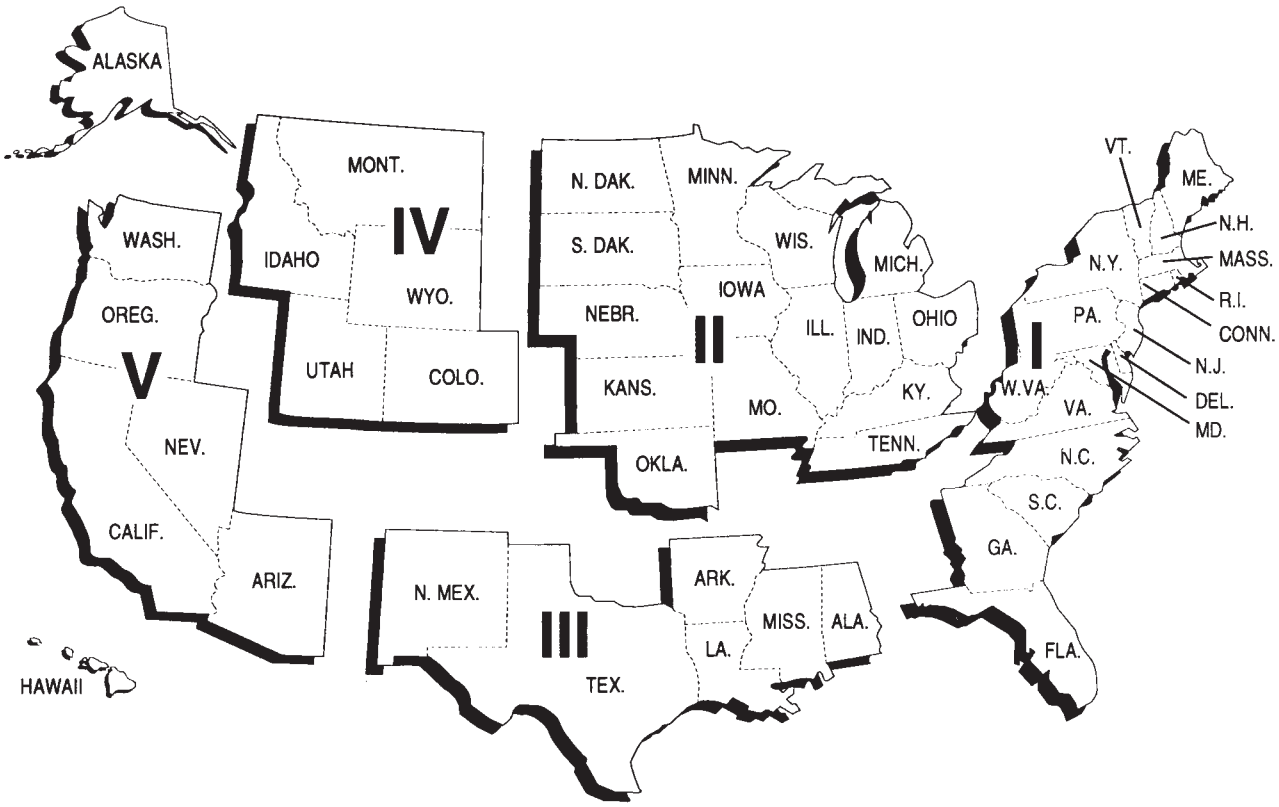
PAD District IV

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

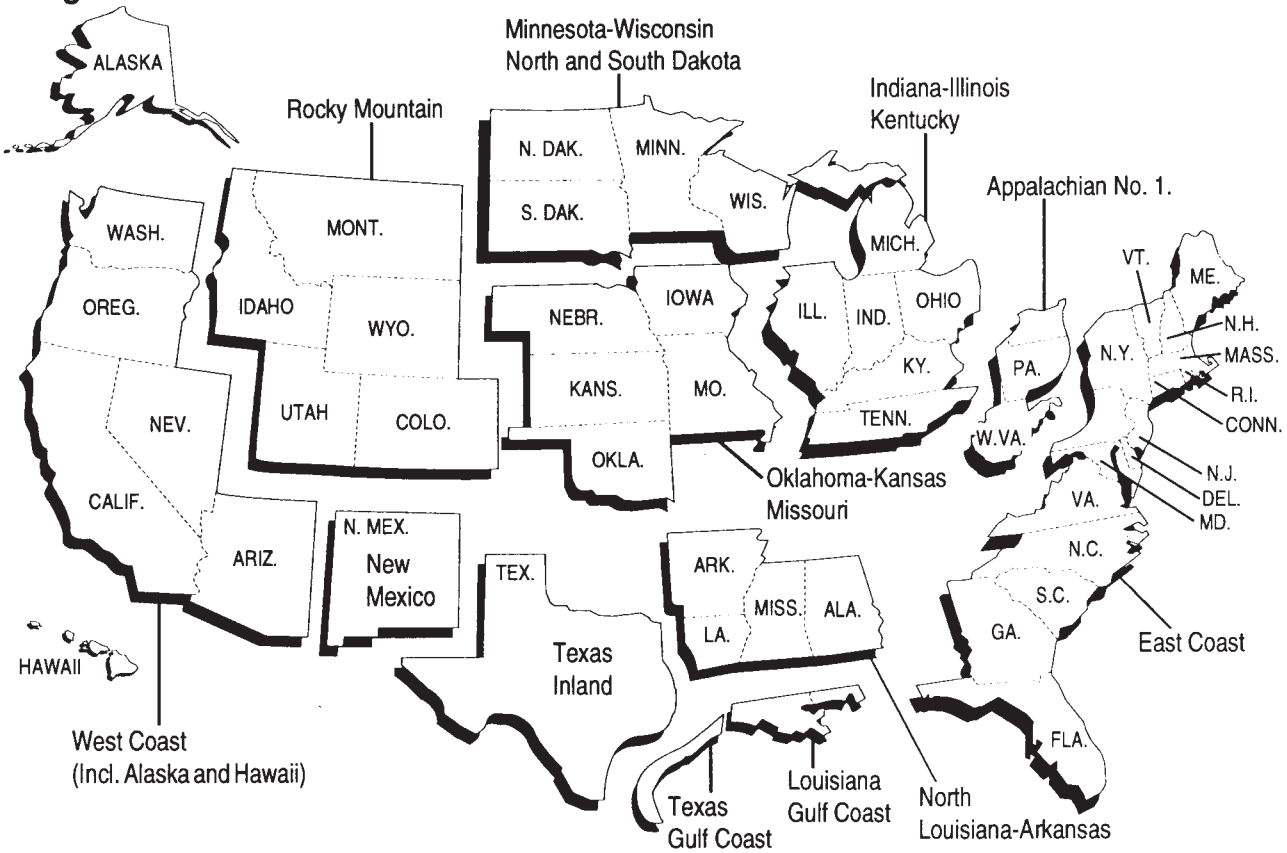
PAD District V

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

Source: New York State Energy Research & Development Authority