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Preface

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

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

Scope of data

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

Sections

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

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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	399,412	20,474	--	--	197,326	11,687	2,261	496,611	130,026	0	813,108
Hydrocarbon Gas Liquids	218,632	-12,310	-704	9,174	5,929	--	-15,738	23,892	98,387	114,180	253,870
Natural Gas Liquids	218,632	-12,310	-704	1,077	5,427	--	-15,164	23,892	98,387	105,007	251,885
Ethane	91,025	--	--	284	--	--	1,666	--	15,767	73,876	76,967
Propane	67,244	-22	--	8,166	3,779	--	-5,004	--	60,346	23,825	92,692
Normal Butane	21,203	-452	--	-6,897	1,442	--	-10,959	9,121	15,108	2,026	46,729
Isobutane	13,781	-172	--	-476	202	--	457	7,544	53	5,281	12,837
Natural Gasoline	25,379	-11,664	-704	--	4	--	-1,324	7,227	7,112	0	22,660
Condensate and Scrubber Oil	4,296	-4,294	--	--	--	--	2	--	--	0	29
Refinery Olefins	--	--	--	8,097	502	--	-574	--	--	9,173	1,985
Ethylene	--	--	--	-419	--	--	0	--	--	-419	0
Propylene	--	--	--	8,379	470	--	-51	--	--	8,900	1,459
Normal Butylene	--	--	--	118	32	--	-478	--	--	628	497
Isobutylene	--	--	--	19	--	--	-45	--	--	64	29
Other Liquids	--	-8,165	44,489	--	25,294	5,852	8,380	33,488	15,186	10,417	321,430
Hydrogen/Biofuels/Other Hydrocarbons	--	--	44,490	--	1,187	5,127	743	35,044	4,592	10,426	32,376
Hydrogen	--	--	--	--	--	6,675	--	6,675	--	0	--
Biofuels (including Fuel Ethanol)	--	--	44,490	--	1,187	-1,550	752	28,358	4,592	10,426	32,362
Fuel Ethanol ⁵	--	--	33,554	--	--	-1,550	906	26,626	4,472	0	23,062
Biofuels (excluding Fuel Ethanol)	--	--	10,936	--	1,187	--	-154	1,732	120	10,426	9,300
Biodiesel	--	--	3,446	--	505	--	302	1,047	120	2,483	3,309
Renewable Diesel Fuel	--	--	6,775	--	682	--	-188	439	NA	7,206	5,631
Other Biofuels ⁶	--	--	715	--	--	--	-268	246	NA	737	361
Other Hydrocarbons	--	--	--	--	--	2	-9	11	--	0	14
Unfinished Oils	--	-8,165	--	--	11,495	--	-854	-2,948	7,132	0	81,921
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	-1	--	12,612	725	8,507	1,367	3,462	0	207,106
Reformulated	--	--	0	--	4,499	12,949	2,300	15,147	0	0	47,126
Conventional	--	--	-1	--	8,113	-12,224	6,207	-13,780	3,461	0	159,979
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-16	25	--	-9	28
Finished Petroleum Products	--	--	226	575,618	16,665	825	7,336	--	103,555	482,442	251,138
Finished Motor Gasoline	--	--	186	288,057	2,866	825	-109	--	27,799	264,243	14,487
Reformulated	--	--	--	89,977	--	-11,747	-1	--	--	78,231	19
Conventional	--	--	186	198,080	2,866	12,572	-108	--	27,799	186,013	14,468
Finished Aviation Gasoline	--	--	--	397	42	--	90	--	--	349	1,242
Kerosene-Type Jet Fuel	--	--	46	54,645	2,819	--	135	--	7,264	50,111	43,759
Kerosene	--	--	--	381	--	--	7	--	82	292	1,673
Distillate Fuel Oil ⁵	--	--	-6	155,508	3,768	--	7,175	--	41,823	110,273	125,035
15 ppm sulfur and under	--	--	-5	150,752	3,671	--	7,008	--	37,638	109,772	115,003
Greater than 15 to 500 ppm sulfur	--	--	0	2,465	1	--	46	--	2,296	124	2,603
Greater than 500 ppm sulfur	--	--	--	2,291	96	--	121	--	1,889	377	7,429
Residual Fuel Oil	--	--	--	7,874	3,337	--	-1,416	--	3,991	8,636	22,505
Less than 0.31 percent sulfur	--	--	--	1,146	--	--	-529	--	NA	NA	2,237
0.31 to 1.00 percent sulfur	--	--	--	2,413	208	--	-198	--	NA	NA	5,411
Greater than 1.00 percent sulfur	--	--	--	4,315	3,129	--	-689	--	NA	NA	14,857
Petrochemical Feedstocks	--	--	--	6,478	308	--	-88	--	517	6,357	2,510
Naphtha for Petro. Feed. Use	--	--	--	4,029	214	--	-221	--	--	4,464	1,650
Other Oils for Petro. Feed. Use	--	--	--	2,449	94	--	133	--	517	1,893	860
Special Naphthas	--	--	--	992	152	--	85	--	--	1,059	1,083
Lubricants	--	--	--	4,419	1,712	--	649	--	3,810	1,672	11,825
Waxes	--	--	--	208	77	--	26	--	132	127	588
Petroleum Coke	--	--	--	24,054	46	--	-228	--	17,414	6,914	4,487
Marketable	--	--	--	18,148	46	--	-228	--	17,414	1,008	4,487
Catalyst	--	--	--	5,906	--	--	--	--	--	5,906	--
Asphalt and Road Oil	--	--	--	10,678	1,538	--	926	--	682	10,608	20,921
Still Gas	--	--	--	19,386	--	--	--	--	--	19,386	--
Miscellaneous Products	--	--	--	2,541	--	--	83	--	42	2,416	1,022
Total	618,044	0	44,011	584,792	245,214	18,364	2,239	553,991	347,155	607,039	1,639,546

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-814, "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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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, 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-November 2024
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	4,415,979	202,644	--	--	2,208,016	7,958	32,036	5,417,900	1,384,661	0	813,108
Hydrocarbon Gas Liquids	2,319,480	-159,784	-7,749	205,343	56,184	--	30,539	214,861	967,821	1,200,252	253,870
Natural Gas Liquids	2,319,480	-159,784	-7,749	122,834	51,105	--	29,923	214,861	967,821	1,113,280	251,885
Ethane	945,377	--	--	3,009	--	--	11,171	--	161,674	775,541	76,967
Propane	717,780	-247	--	90,761	34,620	--	12,957	--	592,825	237,132	92,692
Normal Butane	221,424	-4,761	--	34,339	13,417	--	7,827	55,390	164,927	36,275	46,729
Isobutane	155,295	-1,819	--	-5,275	3,033	--	2,132	83,713	1,057	64,332	12,837
Natural Gasoline	279,604	-152,957	-7,749	--	35	--	-4,164	75,758	47,339	0	22,660
Condensate and Scrubber Oil	45,072	-45,071	--	--	--	--	1	--	--	0	29
Refinery Olefins	--	--	--	82,509	5,079	--	616	--	--	86,972	1,985
Ethylene	--	--	--	-4,537	--	--	0	--	--	-4,537	0
Propylene	--	--	--	87,627	4,629	--	550	--	--	91,706	1,459
Normal Butylene	--	--	--	-881	443	--	48	--	--	-486	497
Isobutylene	--	--	--	300	7	--	18	--	--	289	29
Other Liquids	--	-42,860	464,851	--	361,009	67,741	-19,100	583,502	177,112	109,226	321,430
Hydrogen/Biofuels/Other Hydrocarbons	--	--	464,855	--	20,568	62,633	-836	394,064	45,429	109,399	32,376
Hydrogen	--	--	--	--	--	73,277	--	73,277	--	0	--
Biofuels (including Fuel Ethanol)	--	--	464,855	--	20,568	-10,753	-837	320,679	45,429	109,399	32,362
Fuel Ethanol ⁵	--	--	351,874	--	--	-10,753	-527	300,481	41,167	0	23,062
Biofuels (excluding Fuel Ethanol)	--	--	112,981	--	20,568	--	-310	20,198	4,262	109,399	9,300
Biodiesel	--	--	36,417	--	9,224	--	-519	14,913	4,262	26,985	3,309
Renewable Diesel Fuel	--	--	69,381	--	11,344	--	153	3,630	NA	76,942	5,631
Other Biofuels ⁶	--	--	7,184	--	--	--	56	1,655	NA	5,473	361
Other Hydrocarbons	--	--	--	--	--	109	1	108	--	0	14
Unfinished Oils	--	-42,860	--	--	154,542	--	-2,188	4,977	108,893	0	81,921
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	-4	--	185,899	5,108	-16,073	184,286	22,790	0	207,106
Reformulated	--	--	-1	--	49,734	117,560	-4,171	171,389	75	0	47,126
Conventional	--	--	-4	--	136,165	-112,451	-11,902	12,897	22,715	0	159,979
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-2	175	--	-173	28
Finished Petroleum Products	--	--	2,491	6,334,122	198,805	5,645	-10,830	--	1,062,379	5,489,514	251,138
Finished Motor Gasoline	--	--	2,248	3,221,134	31,273	5,645	-3,655	--	263,485	3,000,469	14,487
Reformulated	--	--	--	1,019,620	--	-86,957	-3	--	--	932,666	19
Conventional	--	--	2,248	2,201,514	31,273	92,602	-3,652	--	263,485	2,067,803	14,468
Finished Aviation Gasoline	--	--	--	4,020	310	--	42	--	--	4,288	1,242
Kerosene-Type Jet Fuel	--	--	251	603,752	36,563	--	3,997	--	68,955	567,614	43,759
Kerosene	--	--	--	3,940	15	--	-265	--	1,496	2,724	1,673
Distillate Fuel Oil ⁵	--	--	-8	1,644,800	47,478	--	-5,678	--	429,383	1,268,565	125,035
15 ppm sulfur and under	--	--	-8	1,588,362	46,269	--	-7,361	--	380,021	1,261,963	115,003
Greater than 15 to 500 ppm sulfur	--	--	0	32,824	270	--	178	--	29,262	3,653	2,603
Greater than 500 ppm sulfur	--	--	--	23,614	939	--	1,505	--	20,099	2,949	7,429
Residual Fuel Oil	--	--	--	106,864	35,791	--	-1,624	--	48,685	95,594	22,505
Less than 0.31 percent sulfur	--	--	--	14,616	2,412	--	-205	--	NA	NA	2,237
0.31 to 1.00 percent sulfur	--	--	--	28,960	5,212	--	-339	--	NA	NA	5,411
Greater than 1.00 percent sulfur	--	--	--	63,288	28,167	--	-1,080	--	NA	NA	14,857
Petrochemical Feedstocks	--	--	--	67,303	4,506	--	-107	--	5,146	66,770	2,510
Naphtha for Petro. Feed. Use	--	--	--	40,860	3,397	--	-193	--	--	44,450	1,650
Other Oils for Petro. Feed. Use	--	--	--	26,443	1,109	--	86	--	5,146	22,320	860
Special Naphthas	--	--	--	9,908	4,633	--	-46	--	--	14,587	1,083
Lubricants	--	--	--	53,834	15,223	--	-258	--	42,388	26,927	11,825
Waxes	--	--	--	2,003	1,269	--	-68	--	1,382	1,958	588
Petroleum Coke	--	--	--	262,137	2,837	--	-1,435	--	193,457	72,952	4,487
Marketable	--	--	--	197,553	2,837	--	-1,435	--	193,457	8,398	4,487
Catalyst	--	--	--	64,554	--	--	--	--	--	64,554	--
Asphalt and Road Oil	--	--	--	113,305	18,907	--	-1,837	--	7,490	126,559	20,921
Still Gas	--	--	--	213,391	--	--	--	--	--	213,391	--
Miscellaneous Products	--	--	--	27,731	--	--	103	--	513	27,115	1,022
Total	6,735,459	0	459,592	6,539,465	2,824,014	81,344	32,645	6,216,263	3,591,974	6,798,993	1,639,546

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-814, "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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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, 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, November 2024
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	13,314	682	--	--	6,578	390	75	16,554	4,334	0
Hydrocarbon Gas Liquids	7,288	-410	-23	306	198	--	-525	796	3,280	3,806
Natural Gas Liquids	7,288	-410	-23	36	181	--	-505	796	3,280	3,500
Ethane	3,034	--	--	9	--	--	56	--	526	2,463
Propane	2,241	-1	--	272	126	--	-167	--	2,012	794
Normal Butane	707	-15	--	-230	48	--	-365	304	504	68
Isobutane	459	-6	--	-16	7	--	15	251	2	176
Natural Gasoline	846	-389	-23	--	0	--	-44	241	237	0
Condensate and Scrubber Oil	143	-143	--	--	--	--	0	--	--	0
Refinery Olefins	--	--	--	270	17	--	-19	--	--	306
Ethylene	--	--	--	-14	--	--	0	--	--	-14
Propylene	--	--	--	279	16	--	-2	--	--	297
Normal Butylene	--	--	--	4	1	--	-16	--	--	21
Isobutylene	--	--	--	1	--	--	-2	--	--	2
Other Liquids	--	-272	1,483	--	843	195	279	1,116	506	347
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,483	--	40	171	25	1,168	153	348
Hydrogen	--	--	--	--	--	223	--	223	--	0
Biofuels (including Fuel Ethanol)	--	--	1,483	--	40	-52	25	945	153	348
Fuel Ethanol ⁵	--	--	1,118	--	--	-52	30	888	149	0
Biofuels (excluding Fuel Ethanol)	--	--	365	--	40	--	-5	58	4	348
Biodiesel	--	--	115	--	17	--	10	35	4	83
Renewable Diesel Fuel	--	--	226	--	23	--	-6	15	NA	240
Other Biofuels ⁶	--	--	24	--	--	--	-9	8	NA	25
Other Hydrocarbons	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	-272	--	--	383	--	-28	-98	238	0
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	0	--	420	24	284	46	115	0
Reformulated	--	--	0	--	150	432	77	505	0	0
Conventional	--	--	0	--	270	-407	207	-459	115	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-1	1	--	0
Finished Petroleum Products	--	--	8	19,187	556	28	245	--	3,452	16,081
Finished Motor Gasoline	--	--	6	9,602	96	28	-4	--	927	8,808
Reformulated	--	--	--	2,999	--	-392	0	--	--	2,608
Conventional	--	--	6	6,603	96	419	-4	--	927	6,200
Finished Aviation Gasoline	--	--	--	13	1	--	3	--	--	12
Kerosene-Type Jet Fuel	--	--	2	1,822	94	--	5	--	242	1,670
Kerosene	--	--	--	13	--	--	0	--	3	10
Distillate Fuel Oil ⁵	--	--	0	5,184	126	--	239	--	1,394	3,676
15 ppm sulfur and under	--	--	0	5,025	122	--	234	--	1,255	3,659
Greater than 15 to 500 ppm sulfur	--	--	0	82	0	--	2	--	77	4
Greater than 500 ppm sulfur	--	--	--	76	3	--	4	--	63	13
Residual Fuel Oil	--	--	--	262	111	--	-47	--	133	288
Less than 0.31 percent sulfur	--	--	--	38	--	--	-18	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	80	7	--	-7	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	144	104	--	-23	--	NA	NA
Petrochemical Feedstocks	--	--	--	216	10	--	-3	--	17	212
Naphtha for Petro. Feed. Use	--	--	--	134	7	--	-7	--	--	149
Other Oils for Petro. Feed. Use	--	--	--	82	3	--	4	--	17	63
Special Naphthas	--	--	--	33	5	--	3	--	--	35
Lubricants	--	--	--	147	57	--	22	--	127	56
Waxes	--	--	--	7	3	--	1	--	4	4
Petroleum Coke	--	--	--	802	2	--	-8	--	580	230
Marketable	--	--	--	605	2	--	-8	--	580	34
Catalyst	--	--	--	197	--	--	--	--	--	197
Asphalt and Road Oil	--	--	--	356	51	--	31	--	23	354
Still Gas	--	--	--	646	--	--	--	--	--	646
Miscellaneous Products	--	--	--	85	--	--	3	--	1	81
Total	20,601	0	1,467	19,493	8,174	612	75	18,466	11,572	20,235

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

2 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

3 Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

4 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

5 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

6 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocutane, and Isocutene 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, 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-November 2024
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	13,182	605	--	--	6,591	24	96	16,173	4,133	0
Hydrocarbon Gas Liquids	6,924	-477	-23	613	168	--	91	641	2,889	3,583
Natural Gas Liquids	6,924	-477	-23	367	153	--	89	641	2,889	3,323
Ethane	2,822	--	--	9	--	--	33	--	483	2,315
Propane	2,143	-1	--	271	103	--	39	--	1,770	708
Normal Butane	661	-14	--	103	40	--	23	165	492	108
Isobutane	464	-5	--	-16	9	--	6	250	3	192
Natural Gasoline	835	-457	-23	--	0	--	-12	226	141	0
Condensate and Scrubber Oil	135	-135	--	--	--	--	0	--	--	0
Refinery Olefins	--	--	--	246	15	--	2	--	--	260
Ethylene	--	--	--	-14	--	--	0	--	--	-14
Propylene	--	--	--	262	14	--	2	--	--	274
Normal Butylene	--	--	--	-3	1	--	0	--	--	-1
Isobutylene	--	--	--	1	0	--	0	--	--	1
Other Liquids	--	-128	1,388	--	1,078	202	-57	1,742	529	326
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,388	--	61	187	-2	1,176	136	327
Hydrogen	--	--	--	--	--	219	--	219	--	0
Biofuels (including Fuel Ethanol)	--	--	1,388	--	61	-32	-2	957	136	327
Fuel Ethanol ⁵	--	--	1,050	--	--	-32	-2	897	123	0
Biofuels (excluding Fuel Ethanol)	--	--	337	--	61	--	-1	60	13	327
Biodiesel	--	--	109	--	28	--	-2	45	13	81
Renewable Diesel Fuel	--	--	207	--	34	--	0	11	NA	230
Other Biofuels ⁶	--	--	21	--	--	--	0	5	NA	16
Other Hydrocarbons	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	-128	--	--	461	--	-7	15	325	0
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	0	--	555	15	-48	550	68	0
Reformulated	--	--	0	--	148	351	-12	512	0	0
Conventional	--	--	0	--	406	-336	-36	38	68	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	--	7	18,908	593	17	-32	--	3,171	16,387
Finished Motor Gasoline	--	--	7	9,615	93	17	-11	--	787	8,957
Reformulated	--	--	--	3,044	--	-260	0	--	--	2,784
Conventional	--	--	7	6,572	93	276	-11	--	787	6,173
Finished Aviation Gasoline	--	--	--	12	1	--	0	--	--	13
Kerosene-Type Jet Fuel	--	--	1	1,802	109	--	12	--	206	1,694
Kerosene	--	--	--	12	0	--	-1	--	4	8
Distillate Fuel Oil ⁵	--	--	0	4,910	142	--	-17	--	1,282	3,787
15 ppm sulfur and under	--	--	0	4,741	138	--	-22	--	1,134	3,767
Greater than 15 to 500 ppm sulfur	--	--	0	98	1	--	1	--	87	11
Greater than 500 ppm sulfur	--	--	--	70	3	--	4	--	60	9
Residual Fuel Oil	--	--	--	319	107	--	-5	--	145	285
Less than 0.31 percent sulfur	--	--	--	44	7	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	86	16	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	189	84	--	-3	--	NA	NA
Petrochemical Feedstocks	--	--	--	201	13	--	0	--	15	199
Naphtha for Petro. Feed. Use	--	--	--	122	10	--	-1	--	--	133
Other Oils for Petro. Feed. Use	--	--	--	79	3	--	0	--	15	67
Special Naphthas	--	--	--	30	14	--	0	--	--	44
Lubricants	--	--	--	161	45	--	-1	--	127	80
Waxes	--	--	--	6	4	--	0	--	4	6
Petroleum Coke	--	--	--	782	8	--	-4	--	577	218
Marketable	--	--	--	590	8	--	-4	--	577	25
Catalyst	--	--	--	193	--	--	--	--	--	193
Asphalt and Road Oil	--	--	--	338	56	--	-5	--	22	378
Still Gas	--	--	--	637	--	--	--	--	--	637
Miscellaneous Products	--	--	--	83	--	--	0	--	2	81
Total	20,106	0	1,372	19,521	8,430	243	97	18,556	10,722	20,296

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocotane, and Isocotene 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, 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, November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	1,460	2,782	--	--	17,925	2,775	-2,062	594	22,283	3	0	8,416
Hydrocarbon Gas Liquids	24,659	-1,638	-9	123	1,517	2,618	--	283	2,124	9,242	15,621	12,219
Natural Gas Liquids	24,659	-1,638	-9	-283	1,173	2,506	--	388	2,124	9,242	14,654	12,026
Ethane	10,626	--	--	--	--	-5,426	--	82	--	2,221	2,897	1,243
Propane	8,077	--	--	426	1,078	6,477	--	348	--	6,217	9,493	8,509
Normal Butane	2,555	--	--	-642	95	2,068	--	-77	1,567	748	1,838	1,900
Isobutane	998	--	--	-67	--	-330	--	43	133	0	425	188
Natural Gasoline	2,403	-1,638	-9	--	--	-283	--	-8	424	56	0	186
Condensate and Scrubber Oil	63	-63	--	--	--	--	--	--	--	--	0	--
Refinery Olefins	--	--	--	406	344	112	--	-105	--	--	967	193
Ethylene	--	--	--	20	--	--	--	--	--	--	20	--
Propylene	--	--	--	373	344	112	--	6	--	--	823	124
Normal Butylene	--	--	--	-3	--	--	--	-73	--	--	70	55
Isobutylene	--	--	--	16	--	--	--	-38	--	--	54	14
Other Liquids	--	-1,144	555	--	13,941	60,673	10,364	41	83,163	891	294	63,533
Hydrogen/Biofuels/Other Hydrocarbons	--	--	555	--	328	8,539	1,056	-207	10,189	202	294	8,176
Hydrogen	--	--	--	--	--	--	110	--	--	--	0	--
Biofuels (including Fuel Ethanol)	--	--	555	--	328	8,539	946	-207	10,079	202	294	8,176
Fuel Ethanol ⁶	--	--	354	--	--	8,446	946	-166	9,714	198	0	6,668
Biofuels (excluding Fuel Ethanol)	--	--	201	--	328	93	--	-41	365	4	294	1,508
Biodiesel	--	--	201	--	268	93	--	58	345	4	155	1,312
Renewable Diesel Fuel	--	--	--	--	60	--	--	-84	20	NA	124	191
Other Biofuels ⁷	--	--	--	--	--	--	--	-15	--	NA	15	5
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-1,144	--	--	2,143	15	--	228	774	12	0	3,294
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	11,470	52,119	9,308	20	72,200	677	0	52,063
Reformulated	--	--	--	--	4,499	6,800	4,877	-87	16,263	0	0	17,813
Conventional	--	--	--	--	6,971	45,319	4,431	107	55,937	677	0	34,250
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	108,626	8,653	47,828	-10,254	3,122	--	750	150,981	62,390
Finished Motor Gasoline	--	--	--	95,192	2,482	2,835	-10,254	62	--	33	90,160	2,412
Reformulated	--	--	--	34,723	--	--	-4,582	0	--	--	30,141	4
Conventional	--	--	--	60,469	2,482	2,835	-5,672	62	--	33	60,019	2,408
Finished Aviation Gasoline	--	--	--	--	36	119	--	42	--	--	113	225
Kerosene-Type Jet Fuel	--	--	--	2,386	864	17,099	--	22	--	9	20,318	11,906
Kerosene	--	--	--	83	--	102	--	-103	--	1	287	958
Distillate Fuel Oil ⁶	--	--	0	7,366	2,808	26,179	--	3,634	--	26	32,693	36,969
15 ppm sulfur and under	--	--	0	7,575	2,808	26,024	--	3,694	--	12	32,701	35,652
Greater than 15 to 500 ppm sulfur	--	--	--	36	--	155	--	47	--	13	131	581
Greater than 500 ppm sulfur	--	--	--	-245	--	--	--	-107	--	1	-139	736
Residual Fuel Oil	--	--	--	625	1,348	--	--	-200	--	133	2,040	4,870
Less than 0.31 percent sulfur	--	--	--	7	--	--	--	-262	--	NA	NA	689
0.31 to 1.00 percent sulfur	--	--	--	486	140	--	--	-194	--	NA	NA	1,045
Greater than 1.00 percent sulfur	--	--	--	132	1,208	--	--	256	--	NA	NA	3,136
Petrochemical Feedstocks	--	--	--	13	2	--	--	5	--	--	10	8
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	13	2	--	--	--	--	--	10	8
Special Naphthas	--	--	--	12	6	--	--	5	--	--	13	50
Lubricants	--	--	--	371	113	352	--	59	--	231	546	1,173
Waxes	--	--	--	13	69	--	--	8	--	85	-11	265
Petroleum Coke	--	--	--	636	1	75	--	--	--	139	573	--
Marketable	--	--	--	227	1	75	--	--	--	139	164	--
Catalyst	--	--	--	409	--	--	--	--	--	--	409	--
Asphalt and Road Oil	--	--	--	972	924	1,067	--	-414	--	69	3,308	3,526
Still Gas	--	--	--	889	--	--	--	--	--	--	889	--
Miscellaneous Products	--	--	--	68	--	--	--	2	--	24	42	28
Total	26,119	0	546	108,749	42,036	113,894	-1,952	4,040	107,570	10,886	166,896	146,558

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	18,043	36,710	--	--	213,184	28,733	-36,558	1,100	257,587	1,425	0	8,416
Hydrocarbon Gas Liquids	247,558	-18,659	-96	7,609	11,587	30,355	--	987	14,534	105,061	157,772	12,219
Natural Gas Liquids	247,558	-18,659	-96	3,478	8,532	28,003	--	941	14,534	105,061	148,280	12,026
Ethane	108,897	--	--	--	--	-52,620	--	17	--	22,787	33,473	1,243
Propane	79,631	--	--	4,488	8,038	66,999	--	773	--	63,862	94,521	8,509
Normal Butane	24,711	--	--	-335	433	17,212	--	118	9,177	17,824	14,902	1,900
Isobutane	10,462	--	--	-675	61	-2,944	--	50	1,462	8	5,384	188
Natural Gasoline	23,857	-18,659	-96	--	--	-644	--	-17	3,895	580	0	186
Condensate and Scrubber Oil	897	-897	--	--	--	--	--	--	--	--	0	--
Refinery Olefins	--	--	--	4,131	3,055	2,352	--	46	--	--	9,492	193
Ethylene	--	--	--	191	--	--	--	--	--	--	191	--
Propylene	--	--	--	3,665	3,051	2,352	--	-14	--	--	9,082	124
Normal Butylene	--	--	--	-2	4	--	--	55	--	--	-53	55
Isobutylene	--	--	--	277	--	--	--	5	--	--	272	14
Other Liquids	--	-18,050	6,002	--	180,088	699,891	83,961	-5,875	949,563	3,889	4,314	63,533
Hydrogen/Biofuels/Other Hydrocarbons	--	--	6,002	--	5,403	105,677	4,900	22	115,129	2,517	4,314	8,176
Hydrogen	--	--	--	--	--	--	1,031	--	1,031	--	0	--
Biofuels (including Fuel Ethanol)	--	--	6,002	--	5,403	105,677	3,869	22	114,098	2,517	4,314	8,176
Fuel Ethanol ⁶	--	--	3,856	--	--	103,929	3,869	-196	109,374	2,477	0	6,668
Biofuels (excluding Fuel Ethanol)	--	--	2,146	--	5,403	1,747	--	218	4,724	41	4,314	1,508
Biodiesel	--	--	2,146	--	4,421	1,144	--	42	4,554	41	3,075	1,312
Renewable Diesel Fuel	--	--	--	--	982	603	--	171	170	NA	1,244	191
Other Biofuels ⁷	--	--	--	--	--	--	--	5	--	NA	-5	5
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-18,050	--	--	25,373	-27	--	-239	7,335	200	0	3,294
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	149,312	594,241	79,060	-5,658	827,099	1,172	0	52,063
Reformulated	--	--	--	--	49,481	87,043	35,722	-3,215	175,427	34	0	17,813
Conventional	--	--	--	--	99,831	507,198	43,338	-2,443	651,672	1,138	0	34,250
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	4	1,226,149	100,298	500,128	-82,930	4,353	--	30,895	1,708,401	62,390
Finished Motor Gasoline	--	--	--	1,072,351	25,976	22,017	-82,930	27	--	790	1,036,597	2,412
Reformulated	--	--	--	389,138	--	--	-33,572	-1	--	--	355,567	4
Conventional	--	--	--	683,213	25,976	22,017	-49,358	28	--	790	681,030	2,408
Finished Aviation Gasoline	--	--	--	--	226	1,027	--	76	--	--	1,177	225
Kerosene-Type Jet Fuel	--	--	--	31,775	7,592	178,381	--	3,316	--	1,084	213,348	11,906
Kerosene	--	--	--	874	--	881	--	-59	--	421	1,393	958
Distillate Fuel Oil ⁶	--	--	4	77,046	36,822	275,340	--	1,763	--	12,644	374,805	36,969
15 ppm sulfur and under	--	--	4	76,339	36,328	273,453	--	1,690	--	11,613	372,821	35,652
Greater than 15 to 500 ppm sulfur	--	--	--	1,469	81	235	--	29	--	255	1,501	581
Greater than 500 ppm sulfur	--	--	--	-762	413	1,652	--	44	--	776	483	736
Residual Fuel Oil	--	--	--	10,911	15,461	254	--	11	--	4,747	21,868	4,870
Less than 0.31 percent sulfur	--	--	--	2,115	1,324	--	--	255	--	NA	NA	689
0.31 to 1.00 percent sulfur	--	--	--	6,295	2,863	254	--	-111	--	NA	NA	1,045
Greater than 1.00 percent sulfur	--	--	--	2,501	11,274	--	--	-133	--	NA	NA	3,136
Petrochemical Feedstocks	--	--	--	145	529	33	--	1	--	125	581	8
Naphtha for Petro. Feed. Use	--	--	--	--	494	8	--	--	--	--	502	--
Other Oils for Petro. Feed. Use	--	--	--	145	35	25	--	--	--	125	79	8
Special Naphthas	--	--	--	106	24	--	--	-3	--	--	133	50
Lubricants	--	--	--	4,065	1,383	4,643	--	-189	--	2,739	7,541	1,173
Waxes	--	--	--	51	928	--	--	-42	--	849	172	265
Petroleum Coke	--	--	--	7,180	10	4,190	--	--	--	5,800	5,581	--
Marketable	--	--	--	2,554	10	4,190	--	--	--	5,800	955	--
Catalyst	--	--	--	4,626	--	--	--	--	--	--	4,626	--
Asphalt and Road Oil	--	--	--	11,448	11,347	13,324	--	-516	--	1,535	35,099	3,526
Still Gas	--	--	--	9,555	--	--	--	--	--	--	9,555	--
Miscellaneous Products	--	--	--	642	--	38	--	-32	--	161	551	28
Total	265,601	0	5,911	1,233,758	505,157	1,259,107	-35,527	565	1,221,684	141,270	1,870,487	146,558

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocetane, and Isocetane 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

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	49	93	--	--	598	93	-69	20	743	0	0
Hydrocarbon Gas Liquids	822	-55	0	4	51	87	--	9	71	308	521
Natural Gas Liquids	822	-55	0	-9	39	84	--	13	71	308	488
Ethane	354	--	--	--	--	-181	--	3	--	74	97
Propane	269	--	--	14	36	216	--	12	--	207	316
Normal Butane	85	--	--	-21	3	69	--	-3	52	25	61
Isobutane	33	--	--	-2	--	-11	--	1	4	0	14
Natural Gasoline	80	-55	0	--	--	-9	--	0	14	2	0
Condensate and Scrubber Oil	2	-2	--	--	--	--	--	--	--	--	0
Refinery Olefins	--	--	--	14	11	4	--	-4	--	--	32
Ethylene	--	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	--	12	11	4	--	0	--	--	27
Normal Butylene	--	--	--	0	--	--	--	-2	--	--	2
Isobutylene	--	--	--	1	--	--	--	-1	--	--	2
Other Liquids	--	-38	19	--	465	2,022	345	1	2,772	30	10
Hydrogen/Biofuels/Other Hydrocarbons	--	--	19	--	11	285	35	-7	340	7	10
Hydrogen	--	--	--	--	--	--	4	--	4	--	0
Biofuels (including Fuel Ethanol)	--	--	19	--	11	285	32	-7	336	7	10
Fuel Ethanol ⁶	--	--	12	--	--	282	32	-6	324	7	0
Biofuels (excluding Fuel Ethanol)	--	--	7	--	11	3	--	-1	12	0	10
Biodiesel	--	--	7	--	9	3	--	2	12	0	5
Renewable Diesel Fuel	--	--	--	--	2	--	--	-3	1	NA	4
Other Biofuels ⁷	--	--	--	--	--	--	--	-1	--	NA	1
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-38	--	--	71	1	--	8	26	0	0
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	--	--	--	382	1,737	310	1	2,407	23	0
Reformulated	--	--	--	--	150	227	163	-3	542	0	0
Conventional	--	--	--	--	232	1,511	148	4	1,865	23	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	3,621	288	1,594	-342	104	--	25	5,033
Finished Motor Gasoline	--	--	--	3,173	83	95	-342	2	--	1	3,005
Reformulated	--	--	--	1,157	--	--	-153	0	--	--	1,005
Conventional	--	--	--	2,016	83	95	-189	2	--	1	2,001
Finished Aviation Gasoline	--	--	--	--	1	4	--	1	--	--	4
Kerosene-Type Jet Fuel	--	--	--	80	29	570	--	1	--	0	677
Kerosene	--	--	--	3	--	3	--	-3	--	0	10
Distillate Fuel Oil ⁶	--	--	0	246	94	873	--	121	--	1	1,090
15 ppm sulfur and under	--	--	0	253	94	867	--	123	--	0	1,090
Greater than 15 to 500 ppm sulfur	--	--	--	1	--	5	--	2	--	0	4
Greater than 500 ppm sulfur	--	--	--	-8	--	--	--	-4	--	0	-5
Residual Fuel Oil	--	--	--	21	45	--	--	-7	--	4	68
Less than 0.31 percent sulfur	--	--	--	0	--	--	--	-9	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	16	5	--	--	-6	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	4	40	--	--	9	--	NA	NA
Petrochemical Feedstocks	--	--	--	0	0	--	--	0	--	--	0
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	0	0	--	--	--	--	--	0
Special Naphthas	--	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	--	12	4	12	--	2	--	8	18
Waxes	--	--	--	0	2	--	--	0	--	3	0
Petroleum Coke	--	--	--	21	0	3	--	--	--	5	19
Marketable	--	--	--	8	0	3	--	--	--	5	5
Catalyst	--	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	--	32	31	36	--	-14	--	2	110
Still Gas	--	--	--	30	--	--	--	--	--	--	30
Miscellaneous Products	--	--	--	2	--	--	--	0	--	1	1
Total	871	0	18	3,625	1,401	3,796	-65	135	3,586	363	5,563

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	54	110	--	--	636	86	-109	3	769	4	0
Hydrocarbon Gas Liquids	739	-56	0	23	35	91	--	3	43	314	471
Natural Gas Liquids	739	-56	0	10	25	84	--	3	43	314	443
Ethane	325	--	--	--	--	-157	--	0	--	68	100
Propane	238	--	--	13	24	200	--	2	--	191	282
Normal Butane	74	--	--	-1	1	51	--	0	27	53	44
Isobutane	31	--	--	-2	0	-9	--	0	4	0	16
Natural Gasoline	71	-56	0	--	--	-2	--	0	12	2	0
Condensate and Scrubber Oil	3	-3	--	--	--	--	--	--	--	--	0
Refinery Olefins	--	--	--	12	9	7	--	0	--	--	28
Ethylene	--	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	--	11	9	7	--	0	--	--	27
Normal Butylene	--	--	--	0	0	--	--	0	--	--	0
Isobutylene	--	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	-54	18	--	538	2,089	251	-18	2,835	12	13
Hydrogen/Biofuels/Other Hydrocarbons	--	--	18	--	16	315	15	0	344	8	13
Hydrogen	--	--	--	--	--	--	3	--	3	--	0
Biofuels (including Fuel Ethanol)	--	--	18	--	16	315	12	0	341	8	13
Fuel Ethanol ⁶	--	--	12	--	--	310	12	-1	326	7	0
Biofuels (excluding Fuel Ethanol)	--	--	6	--	16	5	--	1	14	0	13
Biodiesel	--	--	6	--	13	3	--	0	14	0	9
Renewable Diesel Fuel	--	--	--	--	3	2	--	1	1	NA	4
Other Biofuels ⁷	--	--	--	--	--	--	--	0	--	NA	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-54	--	--	76	0	--	-1	22	1	0
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	--	--	--	446	1,774	236	-17	2,469	3	0
Reformulated	--	--	--	--	148	260	107	-10	524	0	0
Conventional	--	--	--	--	298	1,514	129	-7	1,945	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	3,660	299	1,493	-248	13	--	92	5,100
Finished Motor Gasoline	--	--	--	3,201	78	66	-248	0	--	2	3,094
Reformulated	--	--	--	1,162	--	--	-100	0	--	--	1,061
Conventional	--	--	--	2,039	78	66	-147	0	--	2	2,033
Finished Aviation Gasoline	--	--	--	--	1	3	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	--	95	23	532	--	10	--	3	637
Kerosene	--	--	--	3	--	3	--	0	--	1	4
Distillate Fuel Oil ⁶	--	--	0	230	110	822	--	5	--	38	1,119
15 ppm sulfur and under	--	--	0	228	108	816	--	5	--	35	1,113
Greater than 15 to 500 ppm sulfur	--	--	--	4	0	1	--	0	--	1	4
Greater than 500 ppm sulfur	--	--	--	-2	1	5	--	0	--	2	1
Residual Fuel Oil	--	--	--	33	46	1	--	0	--	14	65
Less than 0.31 percent sulfur	--	--	--	6	4	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	19	9	1	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	7	34	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	0	2	0	--	0	--	0	2
Naphtha for Petro. Feed. Use	--	--	--	--	1	0	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	0	0	0	--	--	--	0	0
Special Naphthas	--	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	--	12	4	14	--	-1	--	8	23
Waxes	--	--	--	0	3	--	--	0	--	3	1
Petroleum Coke	--	--	--	21	0	13	--	--	--	17	17
Marketable	--	--	--	8	0	13	--	--	--	17	3
Catalyst	--	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	--	34	34	40	--	-2	--	5	105
Still Gas	--	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products	--	--	--	2	--	0	--	0	--	0	2
Total	793	0	18	3,683	1,508	3,759	-106	2	3,647	422	5,584

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocutane, and Isocutene 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 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	55,103	697	--	--	85,718	-27,363	2,823	653	114,207	2,117	0	107,123
Hydrocarbon Gas Liquids	37,897	-2,738	-662	-255	1,858	-18,954	--	-6,684	4,469	9,902	9,458	56,183
Natural Gas Liquids	37,897	-2,738	-662	-1,453	1,700	-18,400	--	-6,764	4,469	9,902	8,736	55,744
Ethane	13,741	--	--	--	--	-6,471	--	86	--	3,272	3,912	6,800
Propane	12,967	--	--	2,103	1,245	-13,866	--	-2,173	--	23	4,599	26,330
Normal Butane	4,737	--	--	-3,245	261	-4,215	--	-3,752	1,280	146	-136	10,759
Isobutane	1,812	--	--	-311	193	337	--	-147	1,817	--	361	2,365
Natural Gasoline	4,640	-2,738	-662	--	1	5,815	--	-778	1,372	6,461	0	9,490
Condensate and Scrubber Oil	1,032	-1,032	--	--	--	--	--	0	--	--	0	6
Refinery Olefins	--	--	--	1,198	158	-554	--	80	--	--	722	439
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1,131	126	-554	--	57	--	--	646	378
Normal Butylene	--	--	--	67	32	--	--	23	--	--	76	61
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	2,042	34,934	--	728	-15,706	-5,926	2,764	8,744	2,752	1,813	65,742
Hydrogen/Biofuels/Other Hydrocarbons	--	--	34,935	--	92	-19,889	-2,262	1,363	8,704	996	1,813	11,038
Hydrogen	--	--	--	--	--	--	1,148	--	1,148	--	0	--
Biofuels (including Fuel Ethanol)	--	--	34,935	--	92	-19,889	-3,412	1,372	7,545	996	1,813	11,024
Fuel Ethanol	--	--	31,713	--	--	-18,939	-3,412	1,170	7,211	982	0	10,000
Biofuels (excluding Fuel Ethanol)	--	--	3,222	--	92	-950	--	203	334	14	1,813	1,024
Biodiesel	--	--	2,507	--	87	-717	--	200	270	14	1,392	893
Renewable Diesel Fuel	--	--	628	--	5	-233	--	-3	--	NA	403	100
Other Biofuels ⁶	--	--	87	--	--	--	--	5	64	NA	18	31
Other Hydrocarbons	--	--	--	--	--	--	2	-9	11	--	0	14
Unfinished Oils	--	2,042	--	--	--	-714	--	-566	147	1,747	0	12,066
Motor Gasoline Blend.Comp. (MGBC)	--	--	-1	--	636	4,897	-3,664	1,966	-107	9	0	42,637
Reformulated	--	--	0	--	--	164	1,223	-753	2,140	0	0	4,140
Conventional	--	--	-1	--	636	4,733	-4,887	2,719	-2,247	9	0	38,497
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	137	134,752	1,351	3,270	7,076	4,795	--	425	141,366	54,307
Finished Motor Gasoline	--	--	139	73,130	--	216	7,076	-217	--	104	80,674	4,050
Reformulated	--	--	--	10,056	--	--	-1,121	--	--	--	8,935	--
Conventional	--	--	139	63,074	--	216	8,197	-217	--	104	71,739	4,050
Finished Aviation Gasoline	--	--	--	--	4	51	--	18	--	--	37	185
Kerosene-Type Jet Fuel	--	--	--	8,947	--	657	--	1,045	--	1	8,558	7,846
Kerosene	--	--	--	66	--	--	--	-37	--	--	103	204
Distillate Fuel Oil	--	--	-2	35,257	404	4,188	--	3,158	--	50	36,639	28,862
15 ppm sulfur and under	--	--	-2	35,247	309	4,013	--	3,022	--	0	36,544	28,139
Greater than 15 to 500 ppm sulfur	--	--	--	132	1	175	--	75	--	7	226	404
Greater than 500 ppm sulfur	--	--	--	-122	94	--	--	61	--	42	-131	319
Residual Fuel Oil	--	--	--	903	84	-406	--	24	--	1	556	1,032
Less than 0.31 percent sulfur	--	--	--	42	--	13	--	-3	--	NA	NA	115
0.31 to 1.00 percent sulfur	--	--	--	206	10	--	--	31	--	NA	NA	201
Greater than 1.00 percent sulfur	--	--	--	655	74	-419	--	-4	--	NA	NA	716
Petrochemical Feedstocks	--	--	--	782	211	-50	--	19	--	2	922	539
Naphtha for Petro. Feed. Use	--	--	--	441	147	-30	--	9	--	--	549	405
Other Oils for Petro. Feed. Use	--	--	--	341	64	-20	--	10	--	--	373	134
Special Naphthas	--	--	--	26	2	26	--	42	--	--	12	167
Lubricants	--	--	--	194	155	85	--	-29	--	136	327	658
Waxes	--	--	--	40	8	--	--	0	--	27	21	49
Petroleum Coke	--	--	--	4,878	45	-277	--	101	--	72	4,473	750
Marketable	--	--	--	3,527	45	-277	--	101	--	72	3,122	750
Catalyst	--	--	--	1,351	--	--	--	--	--	--	1,351	--
Asphalt and Road Oil	--	--	--	5,743	438	-1,223	--	658	--	31	4,269	9,774
Still Gas	--	--	--	4,409	--	--	--	--	--	--	4,409	--
Miscellaneous Products	--	--	--	377	--	3	--	13	--	1	366	191
Total	93,000	0	34,409	134,497	89,655	-58,752	3,973	1,528	127,420	15,196	152,637	283,355

-- = Not Applicable.

NA = No Data Reported.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocane, and Isocane 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 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	602,276	29,332	--	--	994,229	-276,082	-45,357	-9,278	1287516	26,160	0	107,123
Hydrocarbon Gas Liquids	400,066	-47,865	-7,335	36,605	23,185	-202,791	--	6,158	37,453	69,039	89,216	56,183
Natural Gas Liquids	400,066	-47,865	-7,335	22,852	21,161	-195,128	--	6,128	37,453	69,039	81,132	55,744
Ethane	138,007	--	--	--	--	-68,205	--	798	--	24,682	44,322	6,800
Propane	139,638	--	--	24,047	13,740	-133,739	--	4,382	--	716	38,588	26,330
Normal Butane	48,757	--	--	1,731	4,822	-49,580	--	2,817	5,962	1,260	-4,309	10,759
Isobutane	22,379	--	--	-2,926	2,592	432	--	261	19,682	3	2,531	2,365
Natural Gasoline	51,285	-47,865	-7,335	--	7	55,964	--	-2,130	11,809	42,377	0	9,490
Condensate and Scrubber Oil	8,557	-8,554	--	--	--	--	--	3	--	--	0	6
Refinery Olefins	--	--	--	13,753	2,024	-7,663	--	30	--	--	8,084	439
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	12,603	1,578	-7,663	--	8	--	--	6,510	378
Normal Butylene	--	--	--	1,150	439	--	--	22	--	--	1,567	61
Isobutylene	--	--	--	--	7	--	--	0	--	--	7	0
Other Liquids	--	18,533	365,850	--	5,570	-175,401	-34,057	-8,440	141,432	32,935	14,567	65,742
Hydrogen/Biofuels/Other Hydrocarbons	--	--	365,854	--	685	-235,478	-4,738	-42	99,127	12,671	14,567	11,038
Hydrogen	--	--	--	--	--	--	12,778	--	12,778	--	0	--
Biofuels (including Fuel Ethanol)	--	--	365,854	--	685	-235,478	-17,625	-43	86,241	12,671	14,567	11,024
Fuel Ethanol	--	--	333,196	--	--	-223,862	-17,625	70	81,174	10,465	0	10,000
Biofuels (excluding Fuel Ethanol)	--	--	32,658	--	685	-11,616	--	-113	5,067	2,206	14,567	1,024
Biodiesel	--	--	26,546	--	677	-6,929	--	-99	4,574	2,206	13,613	893
Renewable Diesel Fuel	--	--	5,484	--	8	-4,687	--	-7	-1	NA	813	100
Other Biofuels ⁶	--	--	628	--	--	--	--	-8	494	NA	141	31
Other Hydrocarbons	--	--	--	--	--	--	109	1	108	--	0	14
Unfinished Oils	--	18,533	--	--	--	-5,651	--	-338	-6,362	19,582	0	12,066
Motor Gasoline Blend.Comp. (MGBC)	--	--	-4	--	4,885	65,728	-29,319	-8,060	48,667	683	0	42,637
Reformulated	--	--	-1	--	--	11,911	17,382	-983	30,275	1	0	4,140
Conventional	--	--	-4	--	4,885	53,817	-46,701	-7,077	18,392	682	0	38,497
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	1,838	1,503,406	15,588	4,176	46,944	-5,246	--	8,011	1,569,186	54,307
Finished Motor Gasoline	--	--	1,861	823,070	--	6,067	46,944	147	--	1,290	876,505	4,050
Reformulated	--	--	--	112,262	--	--	-15,743	--	--	--	96,519	--
Conventional	--	--	1,861	710,808	--	6,067	62,687	147	--	1,290	779,986	4,050
Finished Aviation Gasoline	--	--	--	-3	41	244	--	2	--	--	280	185
Kerosene-Type Jet Fuel	--	--	--	96,828	--	5,865	--	401	--	868	101,424	7,846
Kerosene	--	--	--	683	--	--	--	4	--	1	678	204
Distillate Fuel Oil	--	--	-23	387,903	3,668	20,903	--	-4,144	--	454	416,140	28,862
15 ppm sulfur and under	--	--	-23	387,438	3,118	19,605	--	-4,212	--	5	414,345	28,139
Greater than 15 to 500 ppm sulfur	--	--	0	1,185	28	1,298	--	86	--	161	2,264	404
Greater than 500 ppm sulfur	--	--	--	-720	522	--	--	-18	--	289	-469	319
Residual Fuel Oil	--	--	--	11,016	2,006	-4,780	--	-182	--	57	8,367	1,032
Less than 0.31 percent sulfur	--	--	--	627	--	-281	--	1	--	NA	NA	115
0.31 to 1.00 percent sulfur	--	--	--	3,032	613	-1,067	--	-219	--	NA	NA	201
Greater than 1.00 percent sulfur	--	--	--	7,357	1,393	-3,432	--	36	--	NA	NA	716
Petrochemical Feedstocks	--	--	--	9,045	1,749	-607	--	-38	--	4	10,221	539
Naphtha for Petro. Feed. Use	--	--	--	5,180	1,010	-404	--	-47	--	--	5,833	405
Other Oils for Petro. Feed. Use	--	--	--	3,865	739	-203	--	9	--	--	4,388	134
Special Naphthas	--	--	--	-246	52	178	--	-2	--	--	-14	167
Lubricants	--	--	--	2,317	2,188	1,739	--	-39	--	2,234	4,049	658
Waxes	--	--	--	403	128	--	--	-16	--	306	241	49
Petroleum Coke	--	--	--	58,903	108	-10,697	--	-1,228	--	1,904	47,638	750
Marketable	--	--	--	43,670	108	-10,697	--	-1,228	--	1,904	32,405	750
Catalyst	--	--	--	15,233	--	--	--	--	--	--	15,233	--
Asphalt and Road Oil	--	--	--	59,873	5,648	-14,725	--	-97	--	887	50,006	9,774
Still Gas	--	--	--	48,708	--	--	--	--	--	--	48,708	--
Miscellaneous Products	--	--	--	4,906	--	-11	--	-54	--	6	4,943	191
Total	1,002,342	0	360,352	1,540,011	1038572	-650,098	-32,470	-16,806	1466401	136,145	1,672,969	283,355

-- = Not Applicable.

NA = No Data Reported.

1 = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,837	23	--	--	2,857	-912	94	22	3,807	71	0
Hydrocarbon Gas Liquids	1,263	-91	-22	-9	62	-632	--	-223	149	330	315
Natural Gas Liquids	1,263	-91	-22	-48	57	-613	--	-225	149	330	291
Ethane	458	--	--	--	--	-216	--	3	--	109	130
Propane	432	--	--	70	42	-462	--	-72	--	1	153
Normal Butane	158	--	--	-108	9	-141	--	-125	43	5	-5
Isobutane	60	--	--	-10	6	11	--	-5	61	--	12
Natural Gasoline	155	-91	-22	--	0	194	--	-26	46	215	0
Condensate and Scrubber Oil	34	-34	--	--	--	--	--	0	--	--	0
Refinery Olefins	--	--	--	40	5	-18	--	3	--	--	24
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	38	4	-18	--	2	--	--	22
Normal Butylene	--	--	--	2	1	--	--	1	--	--	3
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	68	1,164	--	24	-524	-198	92	291	92	60
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,164	--	3	-663	-75	45	290	33	60
Hydrogen	--	--	--	--	--	--	38	--	38	--	0
Biofuels (including Fuel Ethanol)	--	--	1,164	--	3	-663	-114	46	252	33	60
Fuel Ethanol	--	--	1,057	--	--	-631	-114	39	240	33	0
Biofuels (excluding Fuel Ethanol)	--	--	107	--	3	-32	--	7	11	0	60
Biodiesel	--	--	84	--	3	-24	--	7	9	0	46
Renewable Diesel Fuel	--	--	21	--	0	-8	--	0	--	NA	13
Other Biofuels ⁶	--	--	3	--	--	--	--	0	2	NA	1
Other Hydrocarbons	--	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	68	--	--	--	-24	--	-19	5	58	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	21	163	-122	66	-4	0	0
Reformulated	--	--	0	--	--	5	41	-25	71	0	0
Conventional	--	--	0	--	21	158	-163	91	-75	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	5	4,492	45	109	236	160	--	14	4,712
Finished Motor Gasoline	--	--	5	2,438	--	7	236	-7	--	3	2,689
Reformulated	--	--	--	335	--	--	-37	--	--	--	298
Conventional	--	--	5	2,102	--	7	273	-7	--	3	2,391
Finished Aviation Gasoline	--	--	--	--	0	2	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	--	298	--	22	--	35	--	0	285
Kerosene	--	--	--	2	--	--	--	-1	--	--	3
Distillate Fuel Oil	--	--	0	1,175	13	140	--	105	--	2	1,221
15 ppm sulfur and under	--	--	0	1,175	10	134	--	101	--	0	1,218
Greater than 15 to 500 ppm sulfur	--	--	--	4	0	6	--	3	--	0	8
Greater than 500 ppm sulfur	--	--	--	-4	3	--	--	2	--	1	-4
Residual Fuel Oil	--	--	--	30	3	-14	--	1	--	0	19
Less than 0.31 percent sulfur	--	--	--	1	--	0	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	7	0	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	22	2	-14	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	26	7	-2	--	1	--	0	31
Naphtha for Petro. Feed. Use	--	--	--	15	5	-1	--	0	--	--	18
Other Oils for Petro. Feed. Use	--	--	--	11	2	-1	--	0	--	--	12
Special Naphthas	--	--	--	1	0	1	--	1	--	--	0
Lubricants	--	--	--	6	5	3	--	-1	--	5	11
Waxes	--	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	--	163	2	-9	--	3	--	2	149
Marketable	--	--	--	118	2	-9	--	3	--	2	104
Catalyst	--	--	--	45	--	--	--	--	--	--	45
Asphalt and Road Oil	--	--	--	191	15	-41	--	22	--	1	142
Still Gas	--	--	--	147	--	--	--	--	--	--	147
Miscellaneous Products	--	--	--	13	--	0	--	0	--	0	12
Total	3,100	0	1,147	4,483	2,989	-1,958	132	51	4,247	507	5,088

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocane, and Isocane 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 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,798	88	--	--	2,968	-824	-135	-28	3,843	78	0
Hydrocarbon Gas Liquids	1,194	-143	-22	109	69	-605	--	18	112	206	266
Natural Gas Liquids	1,194	-143	-22	68	63	-582	--	18	112	206	242
Ethane	412	--	--	--	--	-204	--	2	--	74	132
Propane	417	--	--	72	41	-399	--	13	--	2	115
Normal Butane	146	--	--	5	14	-148	--	8	18	4	-13
Isobutane	67	--	--	-9	8	1	--	1	59	0	8
Natural Gasoline	153	-143	-22	--	0	167	--	-6	35	126	0
Condensate and Scrubber Oil	26	-26	--	--	--	--	--	0	--	--	0
Refinery Olefins	--	--	--	41	6	-23	--	0	--	--	24
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	38	5	-23	--	0	--	--	19
Normal Butylene	--	--	--	3	1	--	--	0	--	--	5
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	55	1,092	--	17	-524	-102	-25	422	98	43
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,092	--	2	-703	-14	0	296	38	43
Hydrogen	--	--	--	--	--	--	38	--	38	--	0
Biofuels (including Fuel Ethanol)	--	--	1,092	--	2	-703	-53	0	257	38	43
Fuel Ethanol	--	--	995	--	--	-668	-53	0	242	31	0
Biofuels (excluding Fuel Ethanol)	--	--	97	--	2	-35	--	0	15	7	43
Biodiesel	--	--	79	--	2	-21	--	0	14	7	41
Renewable Diesel Fuel	--	--	16	--	0	-14	--	0	0	NA	2
Other Biofuels ⁶	--	--	2	--	--	--	--	0	1	NA	0
Other Hydrocarbons	--	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	55	--	--	--	-17	--	-1	-19	58	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	15	196	-88	-24	145	2	0
Reformulated	--	--	0	--	--	36	52	-3	90	0	0
Conventional	--	--	0	--	15	161	-139	-21	55	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	5	4,488	47	12	140	-16	--	24	4,684
Finished Motor Gasoline	--	--	6	2,457	--	18	140	0	--	4	2,616
Reformulated	--	--	--	335	--	--	-47	--	--	--	288
Conventional	--	--	6	2,122	--	18	187	0	--	4	2,328
Finished Aviation Gasoline	--	--	--	0	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	--	289	--	18	--	1	--	3	303
Kerosene	--	--	--	2	--	--	--	0	--	0	2
Distillate Fuel Oil	--	--	0	1,158	11	62	--	-12	--	1	1,242
15 ppm sulfur and under	--	--	0	1,157	9	59	--	-13	--	0	1,237
Greater than 15 to 500 ppm sulfur	--	--	0	4	0	4	--	0	--	0	7
Greater than 500 ppm sulfur	--	--	--	-2	2	--	--	0	--	1	-1
Residual Fuel Oil	--	--	--	33	6	-14	--	-1	--	0	25
Less than 0.31 percent sulfur	--	--	--	2	--	-1	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	9	2	-3	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	22	4	-10	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	27	5	-2	--	0	--	0	31
Naphtha for Petro. Feed. Use	--	--	--	15	3	-1	--	0	--	--	17
Other Oils for Petro. Feed. Use	--	--	--	12	2	-1	--	0	--	--	13
Special Naphthas	--	--	--	-1	0	1	--	0	--	--	0
Lubricants	--	--	--	7	7	5	--	0	--	7	12
Waxes	--	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	--	176	0	-32	--	-4	--	6	142
Marketable	--	--	--	130	0	-32	--	-4	--	6	97
Catalyst	--	--	--	45	--	--	--	--	--	--	45
Asphalt and Road Oil	--	--	--	179	17	-44	--	0	--	3	149
Still Gas	--	--	--	145	--	--	--	--	--	--	145
Miscellaneous Products	--	--	--	15	--	0	--	0	--	0	15
Total	2,992	0	1,076	4,597	3,100	-1,941	-97	-50	4,377	406	4,994

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocane, and Isocane 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 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	288,430	14,157	--	--	41,504	42,323	12,421	-4,708	275,638	127,905	0	624,167
Hydrocarbon Gas Liquids	136,924	-5,765	-16	9,677	--	30,900	--	-8,186	15,192	77,572	87,141	171,871
Natural Gas Liquids	136,924	-5,765	-16	3,563	--	30,458	--	-7,764	15,192	77,572	80,163	170,663
Ethane	61,453	--	--	284	--	17,300	--	1,554	--	10,272	67,211	67,839
Propane	40,120	--	--	4,496	--	12,262	--	-2,921	--	52,854	6,945	52,576
Normal Butane	11,053	--	--	-1,109	--	3,639	--	-6,323	5,053	13,837	1,016	28,690
Isobutane	9,723	--	--	-108	--	760	--	473	4,857	53	4,992	9,426
Natural Gasoline	14,575	-5,765	-16	--	--	-3,503	--	-547	5,282	555	0	12,132
Condensate and Scrubber Oil	2,599	-2,599	--	--	--	--	--	0	--	--	0	10
Refinery Olefins	--	--	--	6,114	--	442	--	-422	--	--	6,978	1,208
Ethylene	--	--	--	-439	--	--	--	0	--	--	-439	0
Propylene	--	--	--	6,608	--	442	--	-113	--	--	7,163	938
Normal Butylene	--	--	--	-58	--	--	--	-302	--	--	244	255
Isobutylene	--	--	--	3	--	--	--	-7	--	--	10	15
Other Liquids	--	-8,392	4,607	--	9,155	-57,963	574	3,521	-68,148	10,757	1,850	131,002
Hydrogen/Biofuels/Other Hydrocarbons	--	--	4,607	--	190	4,079	4,563	-281	8,847	3,013	1,859	6,180
Hydrogen	--	--	--	--	--	--	4,017	--	4,017	--	0	--
Biofuels (including Fuel Ethanol)	--	--	4,607	--	190	4,079	546	-281	4,830	3,013	1,859	6,180
Fuel Ethanol	--	--	782	--	--	6,004	546	-179	4,539	2,972	0	3,772
Biofuels (excluding Fuel Ethanol)	--	--	3,825	--	190	-1,925	--	-102	291	41	1,859	2,408
Biodiesel	--	--	478	--	50	280	--	118	153	41	497	520
Renewable Diesel Fuel	--	--	2,869	--	140	-2,205	--	-117	--	NA	921	1,814
Other Biofuels ⁷	--	--	477	--	--	--	--	-103	138	NA	442	74
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-8,392	--	--	8,709	699	--	-280	-3,768	5,064	0	45,661
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	256	-62,741	-3,989	4,098	-73,252	2,680	0	79,133
Reformulated	--	--	--	--	--	-10,308	5,624	1,055	-5,739	--	0	10,929
Conventional	--	--	--	--	256	-52,433	-9,613	3,043	-67,513	2,680	0	68,204
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	-16	25	--	-9	28
Finished Petroleum Products	--	--	3	230,321	3,390	-53,255	3,443	-3,967	--	93,791	94,078	93,242
Finished Motor Gasoline	--	--	0	67,076	--	-2,593	3,443	-178	--	26,774	41,330	5,083
Reformulated	--	--	--	14,574	--	--	-5,147	--	--	--	--	9,427
Conventional	--	--	0	52,502	--	-2,593	8,591	-178	--	26,774	31,904	5,083
Finished Aviation Gasoline	--	--	--	314	--	-170	--	-30	--	--	174	501
Kerosene-Type Jet Fuel	--	--	--	28,396	--	-18,782	--	-1,064	--	6,163	4,515	12,156
Kerosene	--	--	--	232	--	-102	--	151	--	50	-71	502
Distillate Fuel Oil	--	--	3	92,349	29	-31,843	--	-2,112	--	38,093	24,556	42,797
15 ppm sulfur and under	--	--	3	88,015	29	-31,513	--	-2,164	--	33,996	24,701	35,854
Greater than 15 to 500 ppm sulfur	--	--	0	2,036	--	-330	--	-20	--	2,270	-544	1,291
Greater than 500 ppm sulfur	--	--	--	2,298	--	--	--	72	--	1,827	399	5,652
Residual Fuel Oil	--	--	--	3,606	1,770	406	--	-1,046	--	3,744	3,084	12,748
Less than 0.31 percent sulfur	--	--	--	865	--	-13	--	72	--	NA	NA	996
0.31 to 1.00 percent sulfur	--	--	--	1,020	--	--	--	-139	--	NA	NA	3,527
Greater than 1.00 percent sulfur	--	--	--	1,721	1,770	419	--	-979	--	NA	NA	8,225
Petrochemical Feedstocks	--	--	--	5,585	66	50	--	-112	--	115	5,698	1,963
Naphtha for Petro. Feed. Use	--	--	--	3,588	38	30	--	-230	--	--	3,886	1,245
Other Oils for Petro. Feed. Use	--	--	--	1,997	28	20	--	118	--	115	1,812	718
Special Naphthas	--	--	--	912	144	-26	--	36	--	--	994	834
Lubricants	--	--	--	3,463	1,381	-454	--	361	--	3,360	669	9,011
Waxes	--	--	--	155	--	--	--	18	--	16	121	274
Petroleum Coke	--	--	--	14,292	--	281	--	-126	--	14,916	-217	2,878
Marketable	--	--	--	11,253	--	281	--	-126	--	14,916	-3,256	2,878
Catalyst	--	--	--	3,039	--	--	--	--	--	--	3,039	--
Asphalt and Road Oil	--	--	--	2,208	--	-19	--	90	--	545	1,554	3,777
Still Gas	--	--	--	10,086	--	--	--	--	--	--	10,086	--
Miscellaneous Products	--	--	--	1,647	--	-3	--	45	--	14	1,585	718
Total	425,354	0	4,594	239,998	54,049	-37,995	16,438	-13,339	222,682	310,025	183,070	1020282

-- = Not Applicable.

NA = No Data Reported.

1 = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

7 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	3,216,439	109,369	--	--	447,513	463,885	106,790	41,962	2,949,708	1,352,326	0	624,167
Hydrocarbon Gas Liquids	1,461,356	-70,593	-157	143,027	--	331,650	--	21,465	146,511	771,140	926,167	171,871
Natural Gas Liquids	1,461,356	-70,593	-157	81,536	--	326,339	--	20,946	146,511	771,140	859,884	170,663
Ethane	642,137	--	--	3,009	--	177,624	--	10,351	--	114,177	698,242	67,839
Propane	431,397	--	--	49,275	--	120,228	--	7,779	--	514,721	78,400	52,576
Normal Butane	116,682	--	--	31,433	--	50,039	--	3,025	34,731	138,369	22,029	28,690
Isobutane	108,394	--	--	-2,181	--	11,615	--	1,864	53,728	1,023	61,213	9,426
Natural Gasoline	162,746	-70,593	-157	--	--	-33,167	--	-2,073	58,052	2,850	0	12,132
Condensate and Scrubber Oil	29,197	-29,196	--	--	--	--	--	1	--	--	0	10
Refinery Olefins	--	--	--	61,491	--	5,311	--	519	--	--	66,283	1,208
Ethylene	--	--	--	-4,728	--	--	--	0	--	--	-4,728	--
Propylene	--	--	--	68,822	--	5,311	--	556	--	--	73,577	938
Normal Butylene	--	--	--	-2,626	--	--	--	-50	--	--	-2,576	255
Isobutylene	--	--	--	23	--	--	--	13	--	--	10	15
Other Liquids	--	-38,776	53,692	--	131,673	-662,309	10,557	-2,156	-659,425	133,099	23,319	131,002
Hydrogen/Biofuels/Other Hydrocarbons	--	--	53,692	--	2,971	44,736	45,840	-362	97,703	26,406	23,492	6,180
Hydrogen	--	--	--	--	--	--	44,134	--	44,134	--	0	--
Biofuels (including Fuel Ethanol)	--	--	53,692	--	2,971	44,736	1,706	-362	53,569	26,406	23,492	6,180
Fuel Ethanol	--	--	8,026	--	--	66,395	1,706	-125	50,570	25,682	0	3,772
Biofuels (excluding Fuel Ethanol)	--	--	45,667	--	2,971	-21,659	--	-237	2,999	725	23,492	2,408
Biodiesel	--	--	4,534	--	2,531	2,507	--	-302	2,260	725	6,889	520
Renewable Diesel Fuel	--	--	36,680	--	440	-24,166	--	149	8	NA	12,797	1,814
Other Biofuels ⁷	--	--	4,453	--	--	--	--	-84	731	NA	3,806	74
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-38,776	--	--	116,192	5,775	--	464	-4,263	86,990	0	45,661
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	12,510	-712,820	-35,283	-2,256	-753,040	19,703	0	79,133
Reformulated	--	--	--	--	--	-132,596	50,067	-524	-82,041	36	0	10,929
Conventional	--	--	--	--	12,510	-580,224	-85,350	-1,732	-670,999	19,667	0	68,204
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	-2	175	--	-173	28
Finished Petroleum Products	--	--	66	2,474,823	38,137	-525,842	33,577	-9,627	--	913,885	1,116,502	93,242
Finished Motor Gasoline	--	--	0	720,916	48	-23,648	33,577	-3,734	--	249,211	485,416	5,083
Reformulated	--	--	--	163,040	--	--	-32,792	--	--	--	130,248	--
Conventional	--	--	0	557,876	48	-23,648	66,369	-3,734	--	249,211	355,168	5,083
Finished Aviation Gasoline	--	--	--	3,614	15	-1,271	--	-35	--	--	2,393	501
Kerosene-Type Jet Fuel	--	--	--	313,294	--	-195,443	--	-1,237	--	57,339	61,749	12,156
Kerosene	--	--	--	2,415	--	-881	--	-208	--	965	777	502
Distillate Fuel Oil	--	--	66	968,308	192	-310,668	--	-2,342	--	374,505	285,735	42,797
15 ppm sulfur and under	--	--	66	920,843	31	-307,483	--	-3,936	--	330,618	286,776	35,854
Greater than 15 to 500 ppm sulfur	--	--	0	26,560	161	-1,533	--	148	--	28,239	-3,200	1,291
Greater than 500 ppm sulfur	--	--	--	20,905	--	-1,652	--	1,446	--	15,648	2,159	5,652
Residual Fuel Oil	--	--	--	52,760	17,201	4,526	--	-1,027	--	38,832	36,682	12,748
Less than 0.31 percent sulfur	--	--	--	9,203	773	281	--	187	--	NA	NA	996
0.31 to 1.00 percent sulfur	--	--	--	11,882	1,125	813	--	-25	--	NA	NA	3,527
Greater than 1.00 percent sulfur	--	--	--	31,675	15,303	3,432	--	-1,189	--	NA	NA	8,225
Petrochemical Feedstocks	--	--	--	56,972	1,925	574	--	-70	--	2,585	56,956	1,963
Naphtha for Petro. Feed. Use	--	--	--	35,680	1,596	396	--	-146	--	--	37,818	1,245
Other Oils for Petro. Feed. Use	--	--	--	21,292	329	178	--	76	--	2,585	19,138	718
Special Naphthas	--	--	--	9,754	4,557	-178	--	-58	--	--	14,191	834
Lubricants	--	--	--	43,086	11,320	-6,484	--	-148	--	34,720	13,350	9,011
Waxes	--	--	--	1,549	94	--	--	-10	--	172	1,481	274
Petroleum Coke	--	--	--	151,426	2,719	8,142	--	153	--	150,818	11,316	2,878
Marketable	--	--	--	118,446	2,719	8,142	--	153	--	150,818	-21,664	2,878
Catalyst	--	--	--	32,980	--	--	--	--	--	--	32,980	--
Asphalt and Road Oil	--	--	--	22,941	66	-485	--	-1,103	--	4,428	19,197	3,777
Still Gas	--	--	--	110,307	--	--	--	--	--	--	110,307	--
Miscellaneous Products	--	--	--	17,481	--	-27	--	192	--	311	16,951	718
Total	4,677,795	0	53,601	2,617,850	617,323	-392,617	150,924	51,644	2,436,794	3,170,451	2,065,988	1020282

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isocane, and Sootene 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, J.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, November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	9,614	472	--	--	1,383	1,411	414	-157	9,188	4,264	0
Hydrocarbon Gas Liquids	4,564	-192	-1	323	--	1,030	--	-273	506	2,586	2,905
Natural Gas Liquids	4,564	-192	-1	119	--	1,015	--	-259	506	2,586	2,672
Ethane	2,048	--	--	9	--	577	--	52	--	342	2,240
Propane	1,337	--	--	150	--	409	--	-97	--	1,762	231
Normal Butane	368	--	--	-37	--	121	--	-211	168	461	34
Isobutane	324	--	--	-4	--	25	--	16	162	2	166
Natural Gasoline	486	-192	-1	--	--	-117	--	-18	176	19	0
Condensate and Scrubber Oil	87	-87	--	--	--	--	--	0	--	--	0
Refinery Olefins	--	--	--	204	--	15	--	-14	--	--	233
Ethylene	--	--	--	-15	--	--	--	0	--	--	-15
Propylene	--	--	--	220	--	15	--	-4	--	--	239
Normal Butylene	--	--	--	-2	--	--	--	-10	--	--	8
Isobutylene	--	--	--	0	--	--	--	0	--	--	0
Other Liquids	--	-280	154	--	305	-1,932	19	117	-2,272	359	62
Hydrogen/Biofuels/Other Hydrocarbons	--	--	154	--	6	136	152	-9	295	100	62
Hydrogen	--	--	--	--	--	--	134	--	134	--	0
Biofuels (including Fuel Ethanol)	--	--	154	--	6	136	18	-9	161	100	62
Fuel Ethanol	--	--	26	--	--	200	18	-6	151	99	0
Biofuels (excluding Fuel Ethanol)	--	--	127	--	6	-64	--	-3	10	1	62
Biodiesel	--	--	16	--	2	9	--	4	5	1	17
Renewable Diesel Fuel	--	--	96	--	5	-74	--	-4	--	NA	31
Other Biofuels ⁷	--	--	16	--	--	--	--	-3	5	NA	15
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-280	--	--	290	23	--	-9	-126	169	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	9	-2,091	-133	137	-2,442	89	0
Reformulated	--	--	--	--	--	-344	187	35	-191	--	0
Conventional	--	--	--	--	9	-1,748	-320	101	-2,250	89	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	-1	1	--	0
Finished Petroleum Products	--	--	0	7,677	113	-1,775	115	-132	--	3,126	3,136
Finished Motor Gasoline	--	--	0	2,236	--	-86	115	-6	--	892	1,378
Reformulated	--	--	--	486	--	--	-172	--	--	--	314
Conventional	--	--	0	1,750	--	-86	286	-6	--	892	1,063
Finished Aviation Gasoline	--	--	--	10	--	-6	--	-1	--	--	6
Kerosene-Type Jet Fuel	--	--	--	947	--	-626	--	-35	--	205	150
Kerosene	--	--	--	8	--	-3	--	5	--	2	-2
Distillate Fuel Oil	--	--	0	3,078	1	-1,061	--	-70	--	1,270	819
15 ppm sulfur and under	--	--	0	2,934	1	-1,050	--	-72	--	1,133	823
Greater than 15 to 500 ppm sulfur	--	--	0	68	--	-11	--	-1	--	76	-18
Greater than 500 ppm sulfur	--	--	--	77	--	--	--	2	--	61	13
Residual Fuel Oil	--	--	--	120	59	14	--	-35	--	125	103
Less than 0.31 percent sulfur	--	--	--	29	--	0	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	34	--	--	--	-5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	57	59	14	--	-33	--	NA	NA
Petrochemical Feedstocks	--	--	--	186	2	2	--	-4	--	4	190
Naphtha for Petro. Feed. Use	--	--	--	120	1	1	--	-8	--	--	130
Other Oils for Petro. Feed. Use	--	--	--	67	1	1	--	4	--	4	60
Special Naphthas	--	--	--	30	5	-1	--	1	--	--	33
Lubricants	--	--	--	115	46	-15	--	12	--	112	22
Waxes	--	--	--	5	--	--	--	1	--	1	4
Petroleum Coke	--	--	--	476	--	9	--	-4	--	497	-7
Marketable	--	--	--	375	--	9	--	-4	--	497	-109
Catalyst	--	--	--	101	--	--	--	--	--	--	101
Asphalt and Road Oil	--	--	--	74	--	-1	--	3	--	18	52
Still Gas	--	--	--	336	--	--	--	--	--	--	336
Miscellaneous Products	--	--	--	55	--	0	--	2	--	0	53
Total	14,178	0	153	8,000	1,802	-1,266	548	-445	7,423	10,334	6,102

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	9,601	326	--	--	1,336	1,385	319	125	8,805	4,037	0
Hydrocarbon Gas Liquids	4,362	-211	0	427	--	990	--	64	437	2,302	2,765
Natural Gas Liquids	4,362	-211	0	243	--	974	--	63	437	2,302	2,567
Ethane	1,917	--	--	9	--	530	--	31	--	341	2,084
Propane	1,288	--	--	147	--	359	--	23	--	1,536	234
Normal Butane	348	--	--	94	--	149	--	9	104	413	66
Isobutane	324	--	--	-7	--	35	--	6	160	3	183
Natural Gasoline	486	-211	0	--	--	-99	--	-6	173	9	0
Condensate and Scrubber Oil	87	-87	--	--	--	--	--	0	--	--	0
Refinery Olefins	--	--	--	184	--	16	--	2	--	--	198
Ethylene	--	--	--	-14	--	--	--	0	--	--	-14
Propylene	--	--	--	205	--	16	--	2	--	--	220
Normal Butylene	--	--	--	-8	--	--	--	0	--	--	-8
Isobutylene	--	--	--	0	--	--	--	0	--	--	0
Other Liquids	--	-116	160	--	393	-1,977	32	-6	-1,968	397	70
Hydrogen/Biofuels/Other Hydrocarbons	--	--	160	--	9	134	137	-1	292	79	70
Hydrogen	--	--	--	--	--	--	132	--	132	--	0
Biofuels (including Fuel Ethanol)	--	--	160	--	9	134	5	-1	160	79	70
Fuel Ethanol	--	--	24	--	--	198	5	0	151	77	0
Biofuels (excluding Fuel Ethanol)	--	--	136	--	9	-65	--	-1	9	2	70
Biodiesel	--	--	14	--	8	7	--	-1	7	2	21
Renewable Diesel Fuel	--	--	109	--	1	-72	--	0	0	NA	38
Other Biofuels ⁷	--	--	13	--	--	--	--	0	2	NA	11
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-116	--	--	347	17	--	1	-13	260	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	37	-2,128	-105	-7	-2,248	59	0
Reformulated	--	--	--	--	--	-396	149	-2	-245	0	0
Conventional	--	--	--	--	37	-1,732	-255	-5	-2,003	59	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	--	0	7,388	114	-1,570	100	-29	--	2,728	3,333
Finished Motor Gasoline	--	--	0	2,152	0	-71	100	-11	--	744	1,449
Reformulated	--	--	--	487	--	--	-98	--	--	--	389
Conventional	--	--	0	1,665	0	-71	198	-11	--	744	1,060
Finished Aviation Gasoline	--	--	--	11	0	-4	--	0	--	--	7
Kerosene-Type Jet Fuel	--	--	--	935	--	-583	--	-4	--	171	184
Kerosene	--	--	--	7	--	-3	--	-1	--	3	2
Distillate Fuel Oil	--	--	0	2,890	1	-927	--	-7	--	1,118	853
15 ppm sulfur and under	--	--	0	2,749	0	-918	--	-12	--	987	856
Greater than 15 to 500 ppm sulfur	--	--	0	79	0	-5	--	0	--	84	-10
Greater than 500 ppm sulfur	--	--	--	62	--	-5	--	4	--	47	6
Residual Fuel Oil	--	--	--	157	51	14	--	-3	--	116	109
Less than 0.31 percent sulfur	--	--	--	27	2	1	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	35	3	2	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	95	46	10	--	-4	--	NA	NA
Petrochemical Feedstocks	--	--	--	170	6	2	--	0	--	8	170
Naphtha for Petro. Feed. Use	--	--	--	107	5	1	--	0	--	--	113
Other Oils for Petro. Feed. Use	--	--	--	64	1	1	--	0	--	8	57
Special Naphthas	--	--	--	29	14	-1	--	0	--	--	42
Lubricants	--	--	--	129	34	-19	--	0	--	104	40
Waxes	--	--	--	5	0	--	--	0	--	1	4
Petroleum Coke	--	--	--	452	8	24	--	0	--	450	34
Marketable	--	--	--	354	8	24	--	0	--	450	-65
Catalyst	--	--	--	98	--	--	--	--	--	--	98
Asphalt and Road Oil	--	--	--	68	0	-1	--	-3	--	13	57
Still Gas	--	--	--	329	--	--	--	--	--	--	329
Miscellaneous Products	--	--	--	52	--	0	--	1	--	1	51
Total	13,964	0	160	7,814	1,843	-1,172	451	154	7,274	9,464	6,167

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PAD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	32,538	541	--	--	10,699	-21,204	-3,059	1,131	18,385	--	0	23,649
Hydrocarbon Gas Liquids	17,218	-570	-10	72	559	-16,215	--	-708	602	3	1,158	7,892
Natural Gas Liquids	17,218	-570	-10	-81	559	-16,215	--	-740	602	3	1,037	7,763
Ethane	5,205	--	--	--	--	-5,403	--	-56	--	0	-142	1,085
Propane	5,888	--	--	216	470	-5,373	--	-136	--	1	1,336	3,016
Normal Butane	2,300	--	--	-283	77	-2,367	--	-564	294	0	-3	2,414
Isobutane	1,074	--	--	-14	9	-1,043	--	4	175	--	-153	446
Natural Gasoline	2,751	-570	-10	--	3	-2,029	--	12	133	1	0	802
Condensate and Scrubber Oil	600	-598	--	--	--	--	--	2	--	--	0	13
Refinery Olefins	--	--	--	153	--	--	--	32	--	--	121	129
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	44	--	--	--	1	--	--	43	5
Normal Butylene	--	--	--	109	--	--	--	31	--	--	78	124
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	28	1,095	--	82	292	977	661	1,215	240	359	10,529
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,095	--	21	158	576	111	1,156	225	359	781
Hydrogen	--	--	--	--	--	--	233	--	233	--	0	--
Biofuels (including Fuel Ethanol)	--	--	1,095	--	21	158	343	111	923	225	359	781
Fuel Ethanol	--	--	447	--	--	286	343	15	857	204	0	410
Biofuels (excluding Fuel Ethanol)	--	--	648	--	21	-128	--	96	66	21	359	370
Biodiesel	--	--	--	--	21	38	--	0	22	21	16	6
Renewable Diesel Fuel	--	--	540	--	--	-166	--	98	0	NA	276	324
Other Biofuels ⁶	--	--	107	--	--	--	--	-2	44	NA	66	41
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	28	--	--	--	--	--	-225	246	7	0	2,885
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	61	134	401	775	-187	8	0	6,863
Reformulated	--	--	--	--	--	1,103	752	367	1,488	--	--	983
Conventional	--	--	--	--	61	-969	-351	408	-1,675	8	0	5,880
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	-1	20,888	422	-295	-744	1,210	--	17	19,042	8,192
Finished Motor Gasoline	--	--	--	10,486	--	-529	-744	162	--	0	9,051	1,134
Reformulated	--	--	--	1,642	--	--	-746	--	--	--	896	--
Conventional	--	--	--	8,844	--	-529	2	162	--	0	8,155	1,134
Finished Aviation Gasoline	--	--	--	3	--	--	--	1	--	--	2	7
Kerosene-Type Jet Fuel	--	--	--	994	--	796	--	165	--	--	1,625	957
Kerosene	--	--	--	--	--	--	--	0	--	--	0	2
Distillate Fuel Oil	--	--	-1	6,572	269	36	--	724	--	--	6,152	4,291
15 ppm sulfur and under	--	--	-1	6,574	269	36	--	724	--	--	6,154	4,108
Greater than 15 to 500 ppm sulfur	--	--	--	3	--	--	--	1	--	--	2	75
Greater than 500 ppm sulfur	--	--	--	-5	--	--	--	-1	--	--	-4	108
Residual Fuel Oil	--	--	--	289	4	--	--	-15	--	--	308	196
Less than 0.31 percent sulfur	--	--	--	178	--	--	--	2	--	NA	NA	6
0.31 to 1.00 percent sulfur	--	--	--	19	4	--	--	-14	--	NA	NA	8
Greater than 1.00 percent sulfur	--	--	--	92	--	--	--	-3	--	NA	NA	182
Petrochemical Feedstocks	--	--	--	16	--	--	--	--	--	--	16	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	16	--	--	--	--	--	--	16	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	--	15	-15	--
Waxes	--	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	--	741	--	-212	--	-51	--	--	580	100
Marketable	--	--	--	537	--	-212	--	-51	--	--	376	100
Catalyst	--	--	--	204	--	--	--	--	--	--	204	--
Asphalt and Road Oil	--	--	--	999	149	-386	--	222	--	1	538	1,487
Still Gas	--	--	--	703	--	--	--	--	--	--	703	--
Miscellaneous Products	--	--	--	85	--	--	--	2	--	--	83	18
Total	49,756	0	1,084	20,960	11,762	-37,422	-2,826	2,293	20,202	260	20,559	50,262

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	338,923	5,398	--	--	125,686	-257,189	-15,057	-2,078	199,840	--	0	23,649
Hydrocarbon Gas Liquids	189,645	-5,818	-94	3,762	3,697	-172,504	--	728	5,835	1,106	11,019	7,892
Natural Gas Liquids	189,645	-5,818	-94	2,549	3,697	-172,504	--	701	5,835	1,106	9,833	7,763
Ethane	56,334	--	--	--	--	-56,799	--	5	--	1	-471	1,085
Propane	64,880	--	--	2,341	3,226	-58,302	--	-66	--	6	12,205	3,016
Normal Butane	25,371	--	--	332	275	-23,532	--	733	2,050	1	-338	2,414
Isobutane	12,093	--	--	-124	168	-11,718	--	-8	1,990	--	-1,563	446
Natural Gasoline	30,967	-5,818	-94	--	28	-22,153	--	37	1,795	1,098	0	802
Condensate and Scrubber Oil	6,404	-6,407	--	--	--	--	--	-3	--	--	0	13
Refinery Olefins	--	--	--	1,213	--	--	--	27	--	--	1,186	129
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	295	--	--	--	4	--	--	291	5
Normal Butylene	--	--	--	918	--	--	--	23	--	--	895	124
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	419	11,301	--	669	1,461	14,153	155	22,439	2,547	2,862	10,529
Hydrogen/Biofuels/Other Hydrocarbons	--	--	11,301	--	207	827	5,939	49	13,254	2,109	2,862	781
Hydrogen	--	--	--	--	--	--	2,416	--	2,416	--	0	--
Biofuels (including Fuel Ethanol)	--	--	11,301	--	207	827	3,523	49	10,838	2,109	2,862	781
Fuel Ethanol	--	--	4,011	--	--	4,512	3,523	59	10,262	1,725	0	410
Biofuels (excluding Fuel Ethanol)	--	--	7,290	--	207	-3,684	--	-9	576	384	2,862	370
Biodiesel	--	--	--	--	207	260	--	-5	279	384	-191	6
Renewable Diesel Fuel	--	--	5,779	--	--	-3,945	--	1	1	NA	1,833	324
Other Biofuels ⁶	--	--	1,511	--	--	--	--	-5	296	NA	1,220	41
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	419	--	--	--	--	--	-157	205	371	0	2,885
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	462	634	8,214	263	8,980	67	0	6,863
Reformulated	--	--	--	--	--	12,816	5,349	415	17,750	--	--	--
Conventional	--	--	--	--	462	-12,182	2,865	-152	-8,770	67	0	5,880
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	-9	231,613	3,564	-3,906	-11,737	-651	--	283	219,893	8,192
Finished Motor Gasoline	--	--	0	122,717	--	-5,427	-11,737	-126	--	8	105,671	1,134
Reformulated	--	--	--	23,568	--	--	-5,318	--	--	--	18,250	--
Conventional	--	--	0	99,149	--	-5,427	-6,419	-126	--	8	87,421	1,134
Finished Aviation Gasoline	--	--	--	51	--	--	--	0	--	--	51	7
Kerosene-Type Jet Fuel	--	--	0	12,180	103	8,677	--	101	--	75	20,784	957
Kerosene	--	--	--	1	--	--	--	0	--	--	1	2
Distillate Fuel Oil	--	--	-9	67,925	2,420	-671	--	-254	--	1	69,918	4,291
15 ppm sulfur and under	--	--	-9	68,010	2,420	-646	--	-186	--	0	69,961	4,108
Greater than 15 to 500 ppm sulfur	--	--	--	-42	--	-25	--	-72	--	--	5	75
Greater than 500 ppm sulfur	--	--	--	-43	--	--	--	4	--	1	-48	108
Residual Fuel Oil	--	--	--	3,662	60	--	--	-7	--	--	3,729	196
Less than 0.31 percent sulfur	--	--	--	2,035	--	--	--	-18	--	NA	NA	6
0.31 to 1.00 percent sulfur	--	--	--	296	60	--	--	4	--	NA	NA	8
Greater than 1.00 percent sulfur	--	--	--	1,331	--	--	--	7	--	NA	NA	182
Petrochemical Feedstocks	--	--	--	250	--	--	--	--	--	0	250	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	250	--	--	--	--	--	--	250	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	2	--	--	--	--	178	-176	--
Waxes	--	--	--	--	--	--	--	--	--	2	-2	--
Petroleum Coke	--	--	--	6,758	--	-2,567	--	-32	--	0	4,223	100
Marketable	--	--	--	4,547	--	-2,567	--	-32	--	0	2,012	100
Catalyst	--	--	--	2,211	--	--	--	--	--	--	2,211	--
Asphalt and Road Oil	--	--	--	10,050	979	-3,918	--	-331	--	17	7,425	1,487
Still Gas	--	--	--	7,218	--	--	--	--	--	--	7,218	--
Miscellaneous Products	--	--	--	801	--	--	--	-2	--	0	803	18
Total	528,568	0	11,198	235,375	133,616	-432,138	-12,641	-1,846	228,114	3,936	233,774	50,262

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,085	18	--	--	357	-707	-102	38	613	-	0
Hydrocarbon Gas Liquids	574	-19	0	2	19	-541	--	-24	20	0	39
Natural Gas Liquids	574	-19	0	-3	19	-541	--	-25	20	0	35
Ethane	174	--	--	--	--	-180	--	-2	--	0	-5
Propane	196	--	--	7	16	-179	--	-5	--	0	45
Normal Butane	77	--	--	-9	3	-79	--	-19	10	0	0
Isobutane	36	--	--	0	0	-35	--	0	6	--	-5
Natural Gasoline	92	-19	0	--	0	-68	--	0	4	0	0
Condensate and Scrubber Oil	20	-20	--	--	--	--	--	0	--	--	0
Refinery Olefins	--	--	--	5	--	--	--	1	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	--	4	--	--	--	1	--	--	3
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1	36	--	3	10	33	22	41	8	12
Hydrogen/Biofuels/Other Hydrocarbons	--	--	36	--	1	5	19	4	39	7	12
Hydrogen	--	--	--	--	--	--	8	--	8	--	0
Biofuels (including Fuel Ethanol)	--	--	36	--	1	5	11	4	31	7	12
Fuel Ethanol	--	--	15	--	--	10	11	1	29	7	0
Biofuels (excluding Fuel Ethanol)	--	--	22	--	1	-4	--	3	2	1	12
Biodiesel	--	--	--	--	1	1	--	0	1	1	1
Renewable Diesel Fuel	--	--	18	--	--	-6	--	3	0	NA	9
Other Biofuels ⁶	--	--	4	--	--	--	--	0	1	NA	2
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	1	--	--	--	--	--	-8	8	0	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	2	4	13	26	-6	0	0
Reformulated	--	--	--	--	--	37	25	12	50	--	--
Conventional	--	--	--	--	2	-32	-12	14	-56	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	696	14	-10	-25	40	--	1	635
Finished Motor Gasoline	--	--	--	350	--	-18	-25	5	--	0	302
Reformulated	--	--	--	55	--	--	-25	--	--	--	30
Conventional	--	--	--	295	--	-18	0	5	--	0	272
Finished Aviation Gasoline	--	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	--	33	--	27	--	6	--	--	54
Kerosene	--	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	0	219	9	1	--	24	--	--	205
15 ppm sulfur and under	--	--	0	219	9	1	--	24	--	--	205
Greater than 15 to 500 ppm sulfur	--	--	--	0	--	--	--	0	--	--	0
Greater than 500 ppm sulfur	--	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	--	10	0	--	--	-1	--	--	10
Less than 0.31 percent sulfur	--	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	1	0	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	3	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	--	--	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	--	1
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	--	1	-1
Waxes	--	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	--	25	--	-7	--	-2	--	--	19
Marketable	--	--	--	18	--	-7	--	-2	--	--	13
Catalyst	--	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	--	33	5	-13	--	7	--	0	18
Still Gas	--	--	--	23	--	--	--	--	--	--	23
Miscellaneous Products	--	--	--	3	--	--	--	0	--	--	3
Total	1,659	0	36	699	392	-1,247	-94	76	673	9	685

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,012	16	--	--	375	-768	-45	-6	597	--	0
Hydrocarbon Gas Liquids	566	-17	0	11	11	-515	--	2	17	3	33
Natural Gas Liquids	566	-17	0	8	11	-515	--	2	17	3	29
Ethane	168	--	--	--	--	-170	--	0	--	0	-1
Propane	194	--	--	7	10	-174	--	0	--	0	36
Normal Butane	76	--	--	1	1	-70	--	2	6	0	-1
Isobutane	36	--	--	0	1	-35	--	0	6	--	-5
Natural Gasoline	92	-17	0	--	0	-66	--	0	5	3	0
Condensate and Scrubber Oil	19	-19	--	--	--	-19	--	0	--	--	0
Refinery Olefins	--	--	--	4	--	--	--	0	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	--	3	--	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1	34	--	2	4	42	0	67	8	9
Hydrogen/Biofuels/Other Hydrocarbons	--	--	34	--	1	2	18	0	40	6	9
Hydrogen	--	--	--	--	--	--	7	--	7	--	0
Biofuels (including Fuel Ethanol)	--	--	34	--	1	2	11	0	32	6	9
Fuel Ethanol	--	--	12	--	--	13	11	0	31	5	0
Biofuels (excluding Fuel Ethanol)	--	--	22	--	1	-11	--	0	2	1	9
Biodiesel	--	--	--	--	1	1	--	0	1	1	-1
Renewable Diesel Fuel	--	--	17	--	--	-12	--	0	0	NA	5
Other Biofuels ⁶	--	--	5	--	--	--	--	0	1	NA	4
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	1	--	--	--	--	--	0	1	1	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	1	2	25	1	27	0	0
Reformulated	--	--	--	--	--	38	16	1	53	--	--
Conventional	--	--	--	--	1	-36	9	0	-26	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	691	11	-12	-35	-2	--	1	656
Finished Motor Gasoline	--	--	0	366	--	-16	-35	0	--	0	315
Reformulated	--	--	--	70	--	--	-16	--	--	--	54
Conventional	--	--	0	296	--	-16	-19	0	--	0	261
Finished Aviation Gasoline	--	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	0	36	0	26	--	0	--	0	62
Kerosene	--	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	0	203	7	-2	--	-1	--	0	209
15 ppm sulfur and under	--	--	0	203	7	-2	--	-1	--	0	209
Greater than 15 to 500 ppm sulfur	--	--	--	0	--	0	--	0	--	--	0
Greater than 500 ppm sulfur	--	--	--	0	--	--	--	0	--	0	0
Residual Fuel Oil	--	--	--	11	0	--	--	0	--	--	11
Less than 0.31 percent sulfur	--	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	1	0	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	--	--	--	0	1
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	--	1
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	0	--	--	--	--	1	-1
Waxes	--	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	--	20	--	-8	--	0	--	0	13
Marketable	--	--	--	14	--	-8	--	0	--	0	6
Catalyst	--	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	--	30	3	-12	--	-1	--	0	22
Still Gas	--	--	--	22	--	--	--	--	--	--	22
Miscellaneous Products	--	--	--	2	--	--	--	0	--	0	2
Total	1,578	0	33	703	399	-1,290	-38	-6	681	12	698

-- = 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 shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PAD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	21,881	2,297	--	--	41,480	3,469	1,563	4,591	66,098	1	0	49,753
Hydrocarbon Gas Liquids	1,934	-1,598	-6	-443	1,995	1,651	--	-443	1,505	1,669	802	5,704
Natural Gas Liquids	1,934	-1,598	-6	-669	1,995	1,651	--	-284	1,505	1,669	417	5,688
Ethane	--	--	--	--	--	--	--	--	--	2	-2	--
Propane	192	-22	--	925	986	500	--	-122	--	1,251	1,452	2,261
Normal Butane	558	-452	--	-1,618	1,009	875	--	-243	927	377	-689	2,966
Isobutane	174	-172	--	24	--	276	--	84	562	--	-344	412
Natural Gasoline	1,010	-952	-6	--	--	--	--	-3	16	39	0	49
Condensate and Scrubber Oil	2	-2	--	--	--	--	--	--	--	--	0	--
Refinery Olefins	--	--	--	226	--	--	--	-159	--	--	385	16
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	223	--	--	--	-2	--	--	225	14
Normal Butylene	--	--	--	3	--	--	--	-157	--	--	160	2
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-698	3,298	--	1,388	12,704	-137	1,393	8,514	547	6,101	50,625
Hydrogen/Biofuels/Other Hydrocarbons	--	--	3,298	--	556	7,113	1,194	-244	6,148	156	6,101	6,201
Hydrogen	--	--	--	--	--	--	1,167	--	1,167	--	0	--
Biofuels (including Fuel Ethanol)	--	--	3,298	--	556	7,113	27	-244	4,981	156	6,101	6,201
Fuel Ethanol	--	--	257	--	--	4,203	27	66	4,305	116	0	2,212
Biofuels (excluding Fuel Ethanol)	--	--	3,041	--	556	2,910	--	-309	676	39	6,101	3,989
Biodiesel	--	--	260	--	79	307	--	-74	257	39	423	577
Renewable Diesel Fuel	--	--	2,738	--	477	2,604	--	-82	419	NA	5,482	3,201
Other Biofuels ⁶	--	--	44	--	--	--	--	-153	--	NA	197	210
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	643	--	--	-11	-347	303	0	18,015
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	189	5,591	-1,331	1,648	2,713	88	0	26,409
Reformulated	--	--	--	--	--	2,241	472	1,718	995	0	0	13,261
Conventional	--	--	--	--	189	3,350	-1,803	-70	1,718	88	0	13,148
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	87	81,031	2,849	2,451	1,304	2,176	--	8,572	76,975	33,006
Finished Motor Gasoline	--	--	47	42,173	384	71	1,304	62	--	888	43,029	1,808
Reformulated	--	--	--	28,982	--	--	-151	-1	--	--	28,832	15
Conventional	--	--	47	13,191	384	71	1,455	63	--	888	14,196	1,793
Finished Aviation Gasoline	--	--	--	80	2	--	--	59	--	--	23	324
Kerosene-Type Jet Fuel	--	--	46	13,922	1,955	230	--	-33	--	1,090	15,095	10,894
Kerosene	--	--	--	0	--	--	--	-4	--	31	-27	7
Distillate Fuel Oil	--	--	-5	13,964	258	1,440	--	1,772	--	3,653	10,232	12,116
15 ppm sulfur and under	--	--	-5	13,341	256	1,440	--	1,733	--	3,629	9,670	11,250
Greater than 15 to 500 ppm sulfur	--	--	--	258	--	--	--	-57	--	6	309	252
Greater than 500 ppm sulfur	--	--	--	365	2	--	--	96	--	19	252	614
Residual Fuel Oil	--	--	--	2,451	131	--	--	-179	--	114	2,647	3,659
Less than 0.31 percent sulfur	--	--	--	54	--	--	--	-338	--	NA	NA	431
0.31 to 1.00 percent sulfur	--	--	--	682	54	--	--	118	--	NA	NA	630
Greater than 1.00 percent sulfur	--	--	--	1,715	77	--	--	41	--	NA	NA	2,598
Petrochemical Feedstocks	--	--	--	82	29	--	--	--	--	400	-289	--
Naphtha for Petro. Feed. Use	--	--	--	--	29	--	--	--	--	--	29	--
Other Oils for Petro. Feed. Use	--	--	--	82	--	--	--	--	--	400	-318	--
Special Naphthas	--	--	--	42	--	--	--	2	--	--	40	32
Lubricants	--	--	--	391	63	17	--	258	--	67	146	983
Waxes	--	--	--	--	--	--	--	--	--	3	-3	--
Petroleum Coke	--	--	--	3,507	--	133	--	-152	--	2,287	1,505	759
Marketable	--	--	--	2,604	--	133	--	-152	--	2,287	602	759
Catalyst	--	--	--	903	--	--	--	--	--	--	903	--
Asphalt and Road Oil	--	--	--	756	27	561	--	370	--	35	938	2,357
Still Gas	--	--	--	3,299	--	--	--	--	--	--	3,299	--
Miscellaneous Products	--	--	--	364	--	--	--	21	--	4	339	67
Total	23,815	0	3,379	80,588	47,712	20,275	2,730	7,717	76,117	10,788	83,878	139,088

-- = Not Applicable.

NA = 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, biogdiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels)

Commodity	Supply							Disposition				
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	240,297	21,835	--	--	427,404	40,653	-1,860	330	723,249	4,750	0	49,753
Hydrocarbon Gas Liquids	20,855	-16,850	-67	14,340	17,715	13,290	--	1,201	10,528	21,476	16,079	5,704
Natural Gas Liquids	20,855	-16,850	-67	12,419	17,715	13,290	--	1,207	10,528	21,476	14,152	5,688
Ethane	2	--	--	--	--	--	--	0	--	27	-25	--
Propane	2,234	-247	--	10,610	9,616	4,814	--	89	--	13,519	13,419	2,261
Normal Butane	5,903	-4,761	--	1,178	7,887	5,861	--	1,134	3,470	7,473	3,991	2,966
Isobutane	1,967	-1,819	--	631	212	2,615	--	-35	6,851	23	-3,233	412
Natural Gasoline	10,749	-10,023	-67	--	--	--	--	19	207	434	0	49
Condensate and Scrubber Oil	17	-17	--	--	--	--	--	--	--	--	0	--
Refinery Olefins	--	--	--	1,921	--	--	--	-6	--	--	1,927	16
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	2,242	--	--	--	-4	--	--	2,246	14
Normal Butylene	--	--	--	-321	--	--	--	-2	--	--	-319	2
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-4,985	28,005	--	43,009	136,358	-6,873	-2,784	129,493	4,641	64,164	50,625
Hydrogen/Biofuels/Other Hydrocarbons	--	--	28,005	--	11,302	84,238	10,691	-504	68,851	1,726	64,164	6,201
Hydrogen	--	--	--	--	--	--	12,918	--	12,918	--	0	--
Biofuels (including Fuel Ethanol)	--	--	28,005	--	11,302	84,238	-2,227	-504	55,933	1,726	64,164	6,201
Fuel Ethanol	--	--	2,785	--	--	49,026	-2,227	-335	49,101	819	0	2,212
Biofuels (excluding Fuel Ethanol)	--	--	25,220	--	11,302	35,212	--	-169	6,832	907	64,164	3,989
Biodiesel	--	--	3,190	--	1,388	3,018	--	-155	3,246	907	3,599	577
Renewable Diesel Fuel	--	--	21,437	--	9,914	32,194	--	-162	3,452	NA	60,255	3,201
Other Biofuels ⁶	--	--	592	--	--	--	--	148	134	NA	310	210
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	12,977	-97	--	-1,918	8,062	1,751	0	18,015
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	18,730	52,217	-17,564	-362	52,580	1,165	0	26,409
Reformulated	--	--	--	--	253	20,826	9,039	136	29,978	4	0	13,261
Conventional	--	--	0	--	18,477	31,391	-26,603	-498	22,602	1,161	0	13,148
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	592	898,131	41,218	25,445	19,791	341	--	109,305	875,531	33,006
Finished Motor Gasoline	--	--	386	482,080	5,249	991	19,791	31	--	12,185	496,280	1,808
Reformulated	--	--	--	331,612	--	--	468	-2	--	--	332,082	15
Conventional	--	--	386	150,468	5,249	991	19,323	33	--	12,185	164,199	1,793
Finished Aviation Gasoline	--	--	--	358	28	--	--	-1	--	--	387	324
Kerosene-Type Jet Fuel	--	--	251	149,675	28,868	2,520	--	1,416	--	9,589	170,310	10,894
Kerosene	--	--	--	-33	15	--	--	-2	--	110	-126	7
Distillate Fuel Oil	--	--	-45	143,618	4,376	15,096	--	-700	--	41,779	121,966	12,116
15 ppm sulfur and under	--	--	-45	135,732	4,372	15,071	--	-716	--	37,786	118,060	11,250
Greater than 15 to 500 ppm sulfur	--	--	--	3,652	--	25	--	-13	--	608	3,082	252
Greater than 500 ppm sulfur	--	--	--	4,234	4	--	--	29	--	3,386	823	614
Residual Fuel Oil	--	--	--	28,515	1,063	--	--	-419	--	5,050	24,947	3,659
Less than 0.31 percent sulfur	--	--	--	636	315	--	--	-630	--	NA	NA	431
0.31 to 1.00 percent sulfur	--	--	--	7,455	551	--	--	12	--	NA	NA	630
Greater than 1.00 percent sulfur	--	--	--	20,424	197	--	--	199	--	NA	NA	2,598
Petrochemical Feedstocks	--	--	--	891	303	--	--	--	--	2,432	-1,238	--
Naphtha for Petro. Feed. Use	--	--	--	--	297	--	--	--	--	--	297	--
Other Oils for Petro. Feed. Use	--	--	--	891	6	--	--	--	--	2,432	-1,535	--
Special Naphthas	--	--	--	294	--	--	--	17	--	--	277	32
Lubricants	--	--	--	4,366	330	102	--	118	--	2,516	2,164	983
Waxes	--	--	--	--	119	--	--	--	--	52	67	--
Petroleum Coke	--	--	--	37,870	--	932	--	-328	--	34,935	4,195	759
Marketable	--	--	--	28,366	--	932	--	-328	--	34,935	-5,309	759
Catalyst	--	--	--	9,504	--	--	--	--	--	--	9,504	--
Asphalt and Road Oil	--	--	--	8,993	867	5,804	--	210	--	623	14,831	2,357
Still Gas	--	--	--	37,603	--	--	--	--	--	--	37,603	--
Miscellaneous Products	--	--	--	3,901	--	--	--	-1	--	34	3,868	67
Total	261,152	0	28,530	912,471	529,346	215,746	11,058	-912	863,270	140,172	955,774	139,088

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	729	77	--	--	1,383	116	52	153	2,203	0	0
Hydrocarbon Gas Liquids	64	-53	0	-15	67	55	--	-15	50	56	27
Natural Gas Liquids	64	-53	0	-22	67	55	--	-9	50	56	14
Ethane	--	--	--	--	--	--	--	--	--	0	0
Propane	6	-1	--	31	33	17	--	-4	--	42	48
Normal Butane	19	-15	--	-54	34	29	--	-8	31	13	-23
Isobutane	6	-6	--	1	--	9	--	3	19	--	-11
Natural Gasoline	34	-32	0	--	--	--	--	0	1	1	0
Condensate and Scrubber Oil	0	0	--	--	--	--	--	--	--	--	0
Refinery Olefins	--	--	--	8	--	--	--	-5	--	--	13
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	7	--	--	--	0	--	--	8
Normal Butylene	--	--	--	0	--	--	--	-5	--	--	5
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-23	110	--	46	423	-5	46	284	18	203
Hydrogen/Biofuels/Other Hydrocarbons	--	--	110	--	19	237	40	-8	205	5	203
Hydrogen	--	--	--	--	--	--	39	--	39	--	0
Biofuels (including Fuel Ethanol)	--	--	110	--	19	237	1	-8	166	5	203
Fuel Ethanol	--	--	9	--	--	140	1	2	144	4	0
Biofuels (excluding Fuel Ethanol)	--	--	101	--	19	97	--	-10	23	1	203
Biodiesel	--	--	9	--	3	10	--	-2	9	1	14
Renewable Diesel Fuel	--	--	91	--	16	87	--	-3	14	NA	183
Other Biofuels ⁶	--	--	1	--	--	--	--	-5	--	NA	7
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	21	--	--	0	-12	10	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	6	186	-44	55	90	3	0
Reformulated	--	--	--	--	--	75	16	57	33	0	0
Conventional	--	--	--	--	6	112	-60	-2	57	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3	2,701	95	82	43	73	--	286	2,566
Finished Motor Gasoline	--	--	2	1,406	13	2	43	2	--	30	1,434
Reformulated	--	--	--	966	--	--	-5	0	--	--	961
Conventional	--	--	2	440	13	2	48	2	--	30	473
Finished Aviation Gasoline	--	--	--	3	0	--	--	2	--	--	1
Kerosene-Type Jet Fuel	--	--	2	464	65	8	--	-1	--	36	503
Kerosene	--	--	--	0	--	--	--	0	--	1	-1
Distillate Fuel Oil	--	--	0	465	9	48	--	59	--	122	341
15 ppm sulfur and under	--	--	0	445	9	48	--	58	--	121	322
Greater than 15 to 500 ppm sulfur	--	--	--	9	--	--	--	-2	--	0	10
Greater than 500 ppm sulfur	--	--	--	12	0	--	--	3	--	1	8
Residual Fuel Oil	--	--	--	82	4	--	--	-6	--	4	88
Less than 0.31 percent sulfur	--	--	--	2	--	--	--	-11	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	23	2	--	--	4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	57	3	--	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	--	3	1	--	--	--	--	13	-10
Naphtha for Petro. Feed. Use	--	--	--	--	1	--	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	3	--	--	--	--	--	13	-11
Special Naphthas	--	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	--	13	2	1	--	9	--	2	5
Waxes	--	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	--	117	--	4	--	-5	--	76	50
Marketable	--	--	--	87	--	4	--	-5	--	76	20
Catalyst	--	--	--	30	--	--	--	--	--	--	30
Asphalt and Road Oil	--	--	--	25	1	19	--	12	--	1	31
Still Gas	--	--	--	110	--	--	--	--	--	--	110
Miscellaneous Products	--	--	--	12	--	--	--	1	--	0	11
Total	794	0	113	2,686	1,590	676	91	257	2,537	360	2,796

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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 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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2024
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	717	65	--	--	1,276	121	-6	1	2,159	14	0
Hydrocarbon Gas Liquids	62	-50	0	43	53	40	--	4	31	64	48
Natural Gas Liquids	62	-50	0	37	53	40	--	4	31	64	42
Ethane	0	--	--	--	--	--	--	0	--	0	0
Propane	7	-1	--	32	29	14	--	0	--	40	40
Normal Butane	18	-14	--	4	24	17	--	3	10	22	12
Isobutane	6	-5	--	2	1	8	--	0	20	0	-10
Natural Gasoline	32	-30	0	--	--	--	--	0	1	1	0
Condensate and Scrubber Oil	0	0	--	--	--	--	--	--	--	--	0
Refinery Olefins	--	--	--	6	--	--	--	0	--	--	6
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	7	--	--	--	0	--	--	7
Normal Butylene	--	--	--	-1	--	--	--	0	--	--	-1
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-15	84	--	128	407	-21	-8	387	14	192
Hydrogen/Biofuels/Other Hydrocarbons	--	--	84	--	34	251	32	-2	206	5	192
Hydrogen	--	--	--	--	--	--	39	--	39	--	0
Biofuels (including Fuel Ethanol)	--	--	84	--	34	251	-7	-2	167	5	192
Fuel Ethanol	--	--	8	--	--	146	-7	-1	147	2	0
Biofuels (excluding Fuel Ethanol)	--	--	75	--	34	105	--	-1	20	3	192
Biodiesel	--	--	10	--	4	9	--	0	10	3	11
Renewable Diesel Fuel	--	--	64	--	30	96	--	0	10	NA	180
Other Biofuels ⁶	--	--	2	--	--	--	--	0	0	NA	1
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	39	0	--	-6	24	5	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	56	156	-52	-1	157	3	0
Reformulated	--	--	--	--	1	62	27	0	89	0	0
Conventional	--	--	0	--	55	94	-79	-1	67	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2	2,681	123	76	59	1	--	326	2,614
Finished Motor Gasoline	--	--	1	1,439	16	3	59	0	--	36	1,481
Reformulated	--	--	--	990	--	--	1	0	--	--	991
Conventional	--	--	1	449	16	3	58	0	--	36	490
Finished Aviation Gasoline	--	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	1	447	86	8	--	4	--	29	508
Kerosene	--	--	--	0	0	--	--	0	--	0	0
Distillate Fuel Oil	--	--	0	429	13	45	--	-2	--	125	364
15 ppm sulfur and under	--	--	0	405	13	45	--	-2	--	113	352
Greater than 15 to 500 ppm sulfur	--	--	--	11	--	0	--	0	--	2	9
Greater than 500 ppm sulfur	--	--	--	13	0	--	--	0	--	10	2
Residual Fuel Oil	--	--	--	85	3	--	--	-1	--	15	74
Less than 0.31 percent sulfur	--	--	--	2	1	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	22	2	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	61	1	--	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	--	3	1	--	--	--	--	7	-4
Naphtha for Petro. Feed. Use	--	--	--	--	1	--	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	3	0	--	--	--	--	7	-5
Special Naphthas	--	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	--	13	1	0	--	0	--	8	6
Waxes	--	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	--	113	--	3	--	-1	--	104	13
Marketable	--	--	--	85	--	3	--	-1	--	104	-16
Catalyst	--	--	--	28	--	--	--	--	--	--	28
Asphalt and Road Oil	--	--	--	27	3	17	--	1	--	2	44
Still Gas	--	--	--	112	--	--	--	--	--	--	112
Miscellaneous Products	--	--	--	12	--	--	--	0	--	0	12
Total	780	0	85	2,724	1,580	644	33	-3	2,577	418	2,853

-- = Not Applicable.

NA = 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 shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, November 2024
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,460	55,103	288,430	32,538	21,881	399,412	13,314
Alaskan	--	--	--	--	--	13,160	439
Lower 48 States	--	--	--	--	--	386,252	12,875
Transfers to Crude Oil Supply	2,782	697	14,157	541	2,297	20,474	682
Imports (PAD District of Entry)	17,925	85,718	41,504	10,699	41,480	197,326	6,578
Commercial	17,925	85,718	41,504	10,699	41,480	197,326	6,578
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	2,775	-27,363	42,323	-21,204	3,469	--	--
Adjustments ¹	-2,062	2,823	12,421	-3,059	1,563	11,687	390
Disposition							
Stock Change ²	594	653	-4,708	1,131	4,591	2,261	75
Commercial	594	653	-9,290	1,131	4,591	-2,321	-77
SPR	--	--	4,582	--	--	4,582	153
Refinery Inputs	22,283	114,207	275,638	18,385	66,098	496,611	16,554
Exports	3	2,117	127,905	--	1	130,026	4,334
Ending Stocks							
Total	8,416	107,123	624,167	23,649	49,753	813,108	--
Commercial	8,416	107,123	232,367	23,649	49,753	421,308	--
Refinery	6,641	12,903	45,386	2,367	21,078	88,375	--
Tank Farms and Pipelines	1,775	94,220	186,981	21,282	23,484	327,742	--
Cushing, Oklahoma	--	23,540	--	--	--	23,540	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	5,191	5,191	--
SPR	--	--	391,800	--	--	391,800	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	48.2	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	23.9	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	--	--
SPR Receipts Detail							
Receipts	--	--	4,582	--	--	4,582	153
Domestic	--	--	4,582	--	--	4,582	153
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	17,925	85,718	41,504	10,699	41,480	197,326	6,578
PAD District of Processing	18,388	79,880	49,430	7,789	41,839	197,326	6,578

-- = 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, November 2024
(Thousand Barrels)

PAD District and State	November 2024		January-November 2024	
	Total	Daily Average	Total	Daily Average
PAD District 1	1,460	49	18,043	54
Florida	60	2	816	2
New York	21	1	230	1
Pennsylvania	328	11	4,069	12
Virginia	0	0	3	0
West Virginia	1,051	35	12,926	39
PAD District 2	55,103	1,837	602,276	1,798
Illinois	553	18	6,340	19
Indiana	129	4	1,499	4
Kansas	2,133	71	24,648	74
Kentucky	157	5	1,921	6
Michigan	333	11	3,887	12
Missouri	4	0	54	0
Nebraska	94	3	1,248	4
North Dakota	35,908	1,197	397,263	1,186
Ohio	3,603	120	32,948	98
Oklahoma	12,106	404	131,508	393
South Dakota	67	2	804	2
Tennessee	14	0	158	0
PAD District 3	288,430	9,614	3,216,439	9,601
Alabama	231	8	2,951	9
Arkansas	336	11	3,806	11
Louisiana	2,397	80	28,385	85
Mississippi	1,037	35	11,249	34
New Mexico	61,925	2,064	678,069	2,024
Texas	172,824	5,761	1,902,789	5,680
Federal Offshore PAD District 3	49,680	1,656	589,190	1,759
PAD District 4	32,538	1,085	338,923	1,012
Colorado	15,647	522	156,511	467
Idaho	2	0	16	0
Montana	2,568	86	24,657	74
Utah	5,506	184	60,254	180
Wyoming	8,814	294	97,484	291
PAD District 5	21,881	729	240,297	717
Alaska	13,160	439	140,554	420
South Alaska	242	8	2,816	8
North Slope	12,918	431	137,738	411
Arizona	0	0	5	0
California	8,372	279	96,039	287
Nevada	6	0	123	0
Federal Offshore PAD District 5	344	11	3,576	11
U.S. Total	399,412	13,314	4,415,979	13,182

— = 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, November 2024
(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	4	24,655	24,659	6,390	14,322	17,185	37,897
Natural Gas Liquids	4	24,655	24,659	6,390	14,322	17,185	37,897
Ethane	—	10,626	10,626	2,518	3,712	7,511	13,741
Propane	1	8,076	8,077	2,407	5,439	5,121	12,967
Normal Butane	3	2,552	2,555	641	2,256	1,840	4,737
Isobutane	—	998	998	388	715	709	1,812
Natural Gasoline ¹	—	2,403	2,403	436	2,200	2,004	4,640
Condensate and Scrubber Oil	—	63	63	—	720	272	1,032

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	112,558	5,272	4,638	341	14,115	136,924	17,218	1,934	218,632
Natural Gas Liquids	112,558	5,272	4,638	341	14,115	136,924	17,218	1,934	218,632
Ethane	50,398	2,696	1,829	52	6,478	61,453	5,205	—	91,025
Propane	33,124	1,315	1,557	100	4,024	40,120	5,888	192	67,244
Normal Butane	12,017	-3,001	538	42	1,457	11,053	2,300	558	21,203
Isobutane	4,957	3,790	274	40	662	9,723	1,074	174	13,781
Natural Gasoline ¹	12,062	472	440	107	1,494	14,575	2,751	1,010	25,379
Condensate and Scrubber Oil	2,274	33	35	17	240	2,599	600	2	4,296

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	2	439	441	1,104	157	313	1,574
Natural Gas Liquids	2	439	441	1,104	157	313	1,574
Ethane	—	—	—	33	2	80	115
Propane	1	148	149	618	62	127	807
Normal Butane	1	191	192	223	35	49	307
Isobutane	—	20	20	91	7	21	119
Natural Gasoline ¹	—	80	80	139	51	36	226
Condensate and Scrubber Oil	—	—	—	—	—	4	6

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	206	265	1,240	7	1	1,719	180	502	4,416
Natural Gas Liquids	206	265	1,240	7	1	1,719	180	502	4,416
Ethane	115	8	—	—	—	123	4	—	242
Propane	34	25	40	1	—	100	68	103	1,227
Normal Butane	10	19	894	2	—	925	36	314	1,774
Isobutane	27	12	109	—	—	148	17	42	346
Natural Gasoline ¹	20	201	197	4	1	423	55	43	827
Condensate and Scrubber Oil	6	—	—	3	1	10	13	—	29

— = No Data Reported.

¹ Includes Condensate and Scrubber Oil.

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, November 2024
(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	19,653	2,630	22,283	72,475	16,562	25,170	114,207
Hydrocarbon Gas Liquids	2,124	—	2,124	2,752	267	1,450	4,469
Natural Gas Liquids	2,124	—	2,124	2,752	267	1,450	4,469
Normal Butane	1,567	—	1,567	735	124	421	1,280
Isobutane	133	—	133	1,371	92	354	1,817
Natural Gasoline	424	—	424	646	51	675	1,372
Other Liquids	77,544	5,619	83,163	6,335	1,415	994	8,744
Hydrogen/Biofuels/Other Hydrocarbons	9,455	734	10,189	5,395	1,418	1,891	8,704
Hydrogen	100	10	110	646	284	218	1,148
Biofuels (including Fuel Ethanol)	9,355	724	10,079	4,738	1,134	1,673	7,545
Fuel Ethanol	9,055	659	9,714	4,582	1,086	1,543	7,211
Biodiesel	280	65	345	156	48	66	270
Renewable Diesel Fuel	20	—	20	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	64	64
Other Hydrocarbons	—	—	—	11	—	—	11
Unfinished Oils (net)	767	7	774	-328	-23	498	147
Naphthas and Lighter	130	19	149	567	14	480	1,061
Kerosene and Light Gas Oils	173	—	173	-333	-37	15	-355
Heavy Gas Oils	406	-11	395	-87	0	168	81
Residuum	58	-1	57	-475	—	-165	-640
Motor Gasoline Blend.Comp. (MGBC)(net)	67,322	4,878	72,200	1,268	20	-1,395	-107
Reformulated - RBOB	16,263	—	16,263	582	1,013	545	2,140
Conventional	51,059	4,878	55,937	686	-993	-1,940	-2,247
CBOB	45,340	4,897	50,237	1,301	-1,063	-2,071	-1,833
GTAB	910	—	910	—	—	—	—
Other	4,809	-19	4,790	-615	70	131	-414
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	99,321	8,249	107,570	81,562	18,244	27,614	127,420

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2024
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	21,507	152,941	91,252	7,058	2,880	275,638	18,385	66,098	496,611
Hydrocarbon Gas Liquids	545	10,873	3,469	138	167	15,192	602	1,505	23,892
Natural Gas Liquids	545	10,873	3,469	138	167	15,192	602	1,505	23,892
Normal Butane	203	3,318	1,402	89	41	5,053	294	927	9,121
Isobutane	335	3,047	1,313	36	126	4,857	175	562	7,544
Natural Gasoline	7	4,508	754	13	—	5,282	133	16	7,227
Other Liquids	8,862	-53,242	-30,206	6,660	-222	-68,148	1,215	8,514	33,488
Hydrogen/Biofuels/Other Hydrocarbons	2,245	3,374	2,029	1,022	177	8,847	1,156	6,148	35,044
Hydrogen	122	2,338	1,461	64	32	4,017	233	1,167	6,675
Biofuels (including Fuel Ethanol)	2,123	1,036	568	958	145	4,830	923	4,981	28,358
Fuel Ethanol	2,073	858	523	952	133	4,539	857	4,305	26,626
Biodiesel	50	57	40	6	—	153	22	257	1,047
Renewable Diesel Fuel	—	—	—	—	—	—	0	419	439
Other Biofuels ¹	—	121	5	—	12	138	44	—	246
Other Hydrocarbons	—	—	—	—	—	—	—	—	11
Unfinished Oils (net)	339	-8,229	3,966	197	-41	-3,768	246	-347	-2,948
Naphthas and Lighter	23	-8,318	-776	39	12	-9,020	19	-212	-8,003
Kerosene and Light Gas Oils	-1	-2,534	89	-20	-1	-2,467	70	128	-2,451
Heavy Gas Oils	189	105	4,504	278	-52	5,024	54	-275	5,279
Residuum	128	2,518	149	-100	—	2,695	103	12	2,227
Motor Gasoline Blend.Comp. (MGBC)(net)	6,282	-48,387	-36,230	5,441	-358	-73,252	-187	2,713	1,367
Reformulated - RBOB	4,792	-8,280	-1,692	7	-566	-5,739	1,488	995	15,147
Conventional	1,490	-40,107	-34,538	5,434	208	-67,513	-1,675	1,718	-13,780
CBOB	1,914	-34,569	-33,908	5,437	220	-60,906	-1,442	1,911	-12,033
GTAB	—	—	—	—	—	—	—	—	910
Other	-424	-5,538	-630	-3	-12	-6,607	-233	-193	-2,657
Aviation Gasoline Blend. Comp. (net)	-4	—	29	—	—	25	—	—	25
Total Input	30,914	110,572	64,515	13,856	2,825	222,682	20,202	76,117	553,991

— = 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, November 2024
(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	142	-19	123	241	-449	-47	-255
Natural Gas Liquids	-264	-19	-283	-546	-552	-355	-1,453
Ethane	-	-	-	-	-	-	-
Propane	410	16	426	1,448	283	372	2,103
Normal Butane	-615	-27	-642	-1,790	-772	-683	-3,245
Isobutane	-59	-8	-67	-204	-63	-44	-311
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	406	-	406	787	103	308	1,198
Ethylene	20	-	20	-	-	-	-
Propylene	373	-	373	717	102	312	1,131
Normal Butylene	-3	-	-3	70	1	-4	67
Isobutylene	16	-	16	-	-	-	-
Finished Motor Gasoline	88,640	6,552	95,192	47,482	10,316	15,332	73,130
Reformulated	34,700	23	34,723	7,982	1,457	617	10,056
Reformulated Blended with Fuel Ethanol	34,700	23	34,723	7,982	1,456	617	10,055
Reformulated Other	-	-	-	-	1	-	1
Conventional	53,940	6,529	60,469	39,500	8,859	14,715	63,074
Conventional Blended with Fuel Ethanol	54,790	6,544	61,334	37,136	8,859	13,711	59,706
Ed55 and Lower	54,707	6,544	61,251	37,114	8,818	13,588	59,520
Greater than Ed55	83	-	83	22	41	123	186
Conventional Other	-850	-15	-865	2,364	0	1,004	3,368
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	2,386	-	2,386	6,891	1,010	1,046	8,947
Kerosene	77	6	83	3	-	63	66
Distillate Fuel Oil	6,618	748	7,366	19,916	5,359	9,982	35,257
15 ppm sulfur and under	6,828	747	7,575	19,954	5,347	9,946	35,247
Greater than 15 ppm to 500 ppm sulfur	36	-	36	2	-	130	132
Greater than 500 ppm sulfur	-246	1	-245	-40	12	-94	-122
Residual Fuel Oil	618	7	625	586	171	146	903
Less than 0.31 percent sulfur	0	7	7	42	-	-	42
0.31 to 1.00 percent sulfur	486	-	486	97	81	28	206
Greater than 1.00 percent sulfur	132	-	132	447	90	118	655
Petrochemical Feedstocks	-	13	13	782	-	-	782
Naphtha for Petro. Feed. Use	-	-	-	441	-	-	441
Other Oils for Petro. Feed. Use	-	13	13	341	-	-	341
Special Naphthas	-	12	12	10	-	16	26
Lubricants	161	210	371	-	-	194	194
Waxes	-	13	13	-	-	40	40
Petroleum Coke	620	16	636	3,103	987	788	4,878
Marketable	227	-	227	2,122	851	554	3,527
Catalyst	393	16	409	981	136	234	1,351
Asphalt and Road Oil	376	596	972	3,915	1,531	297	5,743
Still Gas	847	42	889	2,827	589	993	4,409
Miscellaneous Products	42	26	68	219	116	42	377
Total	100,527	8,222	108,749	85,975	19,630	28,892	134,497
Processing Gain(-) or Loss(+) ¹	-1,206	27	-1,179	-4,413	-1,386	-1,278	-7,077

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2024
(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	549	5,723	3,421	-30	14	9,677	72	-443	9,174
Natural Gas Liquids	163	2,546	890	-50	14	3,563	-81	-669	1,077
Ethane	3	178	103	—	—	284	—	—	284
Propane	309	2,539	1,607	11	30	4,496	216	925	8,166
Normal Butane	-116	93	-1,009	-61	-16	-1,109	-283	-1,618	-6,897
Isobutane	-33	-264	189	—	—	-108	-14	24	-476
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	386	3,177	2,531	20	—	6,114	153	226	8,097
Ethylene	—	-502	63	—	—	-439	—	—	-419
Propylene	388	3,694	2,506	20	—	6,608	44	223	8,379
Normal Butylene	-2	-17	-39	—	—	-58	109	3	118
Isobutylene	—	2	1	—	—	3	—	—	19
Finished Motor Gasoline	20,706	26,895	9,101	8,857	1,517	67,076	10,486	42,173	288,057
Reformulated	7,650	6,924	—	—	—	14,574	1,642	28,982	89,977
Reformulated Blended with Fuel Ethanol	7,650	6,924	—	—	—	14,574	1,642	28,982	89,976
Reformulated Other	—	—	—	—	—	—	—	—	1
Conventional	13,056	19,971	9,101	8,857	1,517	52,502	8,844	13,191	198,080
Conventional Blended with Fuel Ethanol	12,864	1,527	4,757	9,324	1,308	29,780	6,833	13,774	171,427
Ed55 and Lower	12,861	1,526	4,757	9,304	1,307	29,755	6,829	13,759	171,114
Greater than Ed55	3	1	—	20	1	25	4	15	313
Conventional Other	192	18,444	4,344	-467	209	22,722	2,011	-583	26,653
Finished Aviation Gasoline	93	62	159	—	—	314	3	80	397
Kerosene-Type Jet Fuel	1,542	16,329	10,382	143	0	28,396	994	13,922	54,645
Kerosene	5	212	1	14	—	232	—	0	381
Distillate Fuel Oil	7,201	47,626	33,813	2,528	1,181	92,349	6,572	13,964	155,508
15 ppm sulfur and under	7,201	46,843	30,237	2,553	1,181	88,015	6,574	13,341	150,752
Greater than 15 ppm to 500 ppm sulfur	—	223	1,778	35	—	2,036	3	258	2,465
Greater than 500 ppm sulfur	—	560	1,798	-60	—	2,298	-5	365	2,291
Residual Fuel Oil	231	2,129	1,276	-43	13	3,606	289	2,451	7,874
Less than 0.31 percent sulfur	243	—	622	—	—	865	178	54	1,146
0.31 to 1.00 percent sulfur	-2	772	293	-43	—	1,020	19	682	2,413
Greater than 1.00 percent sulfur	-10	1,357	361	—	13	1,721	92	1,715	4,315
Petrochemical Feedstocks	61	3,621	1,863	—	40	5,585	16	82	6,478
Naphtha for Petro. Feed. Use	56	2,419	1,113	—	—	3,588	—	—	4,029
Other Oils for Petro. Feed. Use	5	1,202	750	—	40	1,997	16	82	2,449
Special Naphthas	51	643	—	218	—	912	—	42	992
Lubricants	9	1,377	1,243	834	—	3,463	—	391	4,419
Waxes	—	40	83	32	—	155	—	—	208
Petroleum Coke	455	8,701	5,021	92	23	14,292	741	3,507	24,054
Marketable	235	6,850	4,086	82	—	11,253	537	2,604	18,148
Catalyst	220	1,851	935	10	23	3,039	204	903	5,906
Asphalt and Road Oil	168	399	633	963	45	2,208	999	756	10,678
Still Gas	804	5,663	3,225	319	75	10,086	703	3,299	19,386
Miscellaneous Products	140	1,019	464	15	9	1,647	85	364	2,541
Total	32,015	120,439	70,685	13,942	2,917	239,998	20,960	80,588	584,792
Processing Gain(-) or Loss(+) ¹	-1,101	-9,867	-6,170	-86	-92	-17,316	-758	-4,471	-30,801

— = 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, November 2024
(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	19,653	2,630	22,283	72,475	16,562	25,170	114,207
Hydrocarbon Gas Liquids	436	—	436	2,687	92	874	3,653
Natural Gas Liquids	436	—	436	2,687	92	874	3,653
Normal Butane	303	—	303	674	—	59	733
Isobutane	133	—	133	1,371	92	354	1,817
Natural Gasoline	—	—	—	642	—	461	1,103
Other Liquids	-8,924	50	-8,874	-36,388	-6,553	-11,111	-54,052
Hydrogen/Biofuels/Other Hydrocarbons	166	128	294	872	485	459	1,816
Hydrogen	100	10	110	646	284	218	1,148
Biofuels (including Fuel Ethanol)	66	118	184	215	201	241	657
Fuel Ethanol	66	102	168	188	182	153	523
Biodiesel	—	16	16	27	19	24	70
Renewable Diesel Fuel	—	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	64	64
Other Hydrocarbons	—	—	—	11	—	—	11
Unfinished Oils (net)	694	7	701	-328	-23	498	147
Naphthas and Lighter	57	19	76	567	14	480	1,061
Kerosene and Light Gas Oils	173	—	173	-333	-37	15	-355
Heavy Gas Oils	406	-11	395	-87	0	168	81
Residuum	58	-1	57	-475	—	-165	-640
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,784	-85	-9,869	-36,932	-7,015	-12,068	-56,015
Reformulated - RBOB	-6,130	—	-6,130	-6,048	—	—	-6,048
Conventional	-3,654	-85	-3,739	-30,884	-7,015	-12,068	-49,967
CBOB	-3,156	-66	-3,222	-30,171	-6,987	-12,199	-49,357
GTAB	—	—	—	—	—	—	—
Other	-498	-19	-517	-713	-28	131	-610
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	11,165	2,680	13,845	38,774	10,101	14,933	63,808
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	666	88	753	2,414	532	837	3,783
Operable Capacity (daily average)	812	98	910	2,741	557	955	4,254
Operable Utilization Rate (percent) ²	82.1	89.1	82.8	88.1	95.5	87.6	89.0
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	112	15	127	439	76	159	674
Catalytic Cracking	227	14	241	679	138	197	1,014
Catalytic Hydrocracking	42	—	42	204	65	48	317
Delayed and Fluid Coking	37	—	37	262	79	77	419
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.79	1.76	0.90	1.29	1.98	0.52	1.22
API Gravity, Weighted Average (degrees)	35.25	31.87	34.86	33.91	27.21	39.78	34.15
Operable Capacity (daily average)	812	98	910	2,741	557	955	4,254
Operating	720	98	818	2,741	557	955	4,254
Idle	92	—	92	—	—	—	—
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, November 2024
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	21,507	152,941	91,252	7,058	2,880	275,638	18,385	66,098	496,611
Hydrocarbon Gas Liquids	483	6,614	3,253	66	157	10,573	535	1,417	16,614
Natural Gas Liquids	483	6,614	3,253	66	157	10,573	535	1,417	16,614
Normal Butane	147	2,784	1,186	27	31	4,175	250	839	6,300
Isobutane	335	3,047	1,313	36	126	4,857	174	562	7,543
Natural Gasoline	1	783	754	3	—	1,541	111	16	2,771
Other Liquids	-9,683	-60,867	-33,074	-1,531	-1,359	-106,514	-4,506	-31,735	-205,681
Hydrogen/Biofuels/Other Hydrocarbons	351	2,503	1,719	120	53	4,746	562	1,480	8,898
Hydrogen	122	2,338	1,461	64	32	4,017	233	1,167	6,675
Biofuels (including Fuel Ethanol)	229	165	258	56	21	729	329	313	2,212
Fuel Ethanol	185	43	213	56	9	506	269	100	1,566
Biodiesel	44	1	40	—	—	85	16	10	197
Renewable Diesel Fuel	—	—	—	—	—	—	—	203	203
Other Biofuels ¹	—	121	5	—	12	138	44	—	246
Other Hydrocarbons	—	—	—	—	—	—	—	—	11
Unfinished Oils (net)	339	-8,270	3,988	197	-41	-3,787	246	-347	-3,040
Naphthas and Lighter	23	-8,318	-776	39	12	-9,020	19	-212	-8,076
Kerosene and Light Gas Oils	-1	-2,534	111	-20	-1	-2,445	70	128	-2,429
Heavy Gas Oils	189	64	4,504	278	-52	4,983	54	-275	5,238
Residuum	128	2,518	149	-100	—	2,695	103	12	2,227
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,369	-55,100	-38,810	-1,848	-1,371	-107,498	-5,314	-32,868	-211,564
Reformulated - RBOB	-2,114	-12,684	-1,692	—	-566	-17,056	—	-24,419	-53,653
Conventional	-8,255	-42,416	-37,118	-1,848	-805	-90,442	-5,314	-8,449	-157,911
CBOB	-7,831	-30,763	-35,485	-1,845	-782	-76,706	-5,080	-7,992	-142,357
GTAB	—	—	—	—	—	—	—	—	—
Other	-424	-11,653	-1,633	-3	-23	-13,736	-234	-457	-15,554
Aviation Gasoline Blend. Comp. (net)	-4	—	29	—	—	25	—	—	25
Total Input to Refineries	12,307	98,688	61,431	5,593	1,678	179,697	14,414	35,780	307,544
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	715	5,155	3,134	211	96	9,310	614	2,369	16,829
Operable Capacity (daily average)	747	5,553	3,337	260	110	10,008	652	2,531	18,354
Operable Utilization Rate (percent) ²	95.7	92.8	93.9	80.9	87.3	93.0	94.1	93.6	91.7
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	157	763	535	38	21	1,513	99	316	2,729
Catalytic Cracking	179	1,318	783	14	25	2,319	171	581	4,326
Catalytic Hydrocracking	52	534	472	19	13	1,089	14	363	1,824
Delayed and Fluid Coking	28	824	521	28	—	1,401	64	363	2,283
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.63	1.60	1.24	1.31	0.88	1.37	1.25	1.24	1.30
API Gravity, Weighted Average (degrees)	39.99	34.03	30.98	31.49	39.01	33.59	34.98	29.09	33.20
Operable Capacity (daily average)	747	5,553	3,337	260	110	10,008	652	2,531	18,354
Operating	747	5,441	3,337	260	110	9,895	643	2,531	18,141
Idle	—	112	—	—	—	112	10	—	214
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	12,384	12,384

— = 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, November 2024
(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	142	-19	123	241	-449	-47	-255
Natural Gas Liquids	-264	-19	-283	-546	-552	-355	-1,453
Ethane	-	-	-	-	-	-	-
Propane	410	16	426	1,448	283	372	2,103
Normal Butane	-615	-27	-642	-1,790	-772	-683	-3,245
Isobutane	-59	-8	-67	-204	-63	-44	-311
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	406	-	406	787	103	308	1,198
Ethylene	20	-	20	-	-	-	-
Propylene	373	-	373	717	102	312	1,131
Normal Butylene	-3	-	-3	70	1	-4	67
Isobutylene	16	-	16	-	-	-	-
Finished Motor Gasoline	657	1,032	1,689	4,796	2,201	2,701	9,698
Reformulated	657	-	657	-	-	12	12
Reformulated Blended with Fuel Ethanol	657	-	657	-	-	12	12
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,032	1,032	4,796	2,201	2,689	9,686
Conventional Blended with Fuel Ethanol	-	1,014	1,014	1,905	1,702	1,548	5,155
Ed55 and Lower	-	1,014	1,014	1,905	1,702	1,548	5,155
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	18	18	2,891	499	1,141	4,531
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	2,508	-	2,508	6,930	1,011	1,047	8,988
Kerosene	133	6	139	3	-	63	66
Distillate Fuel Oil	6,268	699	6,967	19,777	5,331	9,941	35,049
15 ppm sulfur and under	6,478	698	7,176	19,815	5,319	9,904	35,038
Greater than 15 ppm to 500 ppm sulfur	9	-	9	2	-	-	2
Greater than 500 ppm sulfur	-219	1	-218	-40	12	37	9
Residual Fuel Oil	618	7	625	586	171	146	903
Less than 0.31 percent sulfur	-	7	7	42	-	-	42
0.31 to 1.00 percent sulfur	486	-	486	97	81	28	206
Greater than 1.00 percent sulfur	132	-	132	447	90	118	655
Petrochemical Feedstocks	-	13	13	782	-	-	782
Naphtha for Petro. Feed. Use	-	-	-	441	-	-	441
Other Oils for Petro. Feed. Use	-	13	13	341	-	-	341
Special Naphthas	-	12	12	10	-	16	26
Lubricants	161	210	371	-	-	194	194
Waxes	-	13	13	-	-	40	40
Petroleum Coke	620	16	636	3,103	987	788	4,878
Marketable	227	-	227	2,122	851	554	3,527
Catalyst	393	16	409	981	136	234	1,351
Asphalt and Road Oil	376	596	972	3,915	1,530	294	5,739
Still Gas	847	42	889	2,827	589	993	4,409
Miscellaneous Products	42	26	68	219	116	42	377
Total	12,372	2,653	15,025	43,189	11,487	16,218	70,894
Processing Gain(-) or Loss(+) ¹	-1,207	27	-1,180	-4,415	-1,386	-1,285	-7,086

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2024
(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	549	5,723	3,421	-30	14	9,677	72	-443	9,174
Natural Gas Liquids	163	2,546	890	-50	14	3,563	-81	-669	1,077
Ethane	3	178	103	—	—	284	—	—	284
Propane	309	2,539	1,607	11	30	4,496	216	925	8,166
Normal Butane	-116	93	-1,009	-61	-16	-1,109	-283	-1,618	-6,897
Isobutane	-33	-264	189	—	—	-108	-14	24	-476
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	386	3,177	2,531	20	—	6,114	153	226	8,097
Ethylene	—	-502	63	—	—	-439	—	—	-419
Propylene	388	3,694	2,506	20	—	6,608	44	223	8,379
Normal Butylene	-2	-17	-39	—	—	-58	109	3	118
Isobutylene	—	2	1	—	—	3	—	—	19
Finished Motor Gasoline	2,105	15,108	5,997	601	370	24,181	4,688	2,257	42,513
Reformulated	14	—	—	—	—	14	—	497	1,180
Reformulated Blended with Fuel Ethanol	14	—	—	—	—	14	—	497	1,180
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,091	15,108	5,997	601	370	24,167	4,688	1,760	41,333
Conventional Blended with Fuel Ethanol	1,851	429	1,665	573	89	4,607	2,676	622	14,074
Ed55 and Lower	1,851	429	1,665	573	89	4,607	2,676	622	14,074
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	240	14,679	4,332	28	281	19,560	2,012	1,138	27,259
Finished Aviation Gasoline	93	62	159	—	—	314	3	80	397
Kerosene-Type Jet Fuel	1,542	16,294	10,375	143	—	28,354	944	13,928	54,722
Kerosene	5	247	0	14	—	266	—	0	471
Distillate Fuel Oil	7,196	47,570	33,843	2,521	1,181	92,311	6,634	13,541	154,502
15 ppm sulfur and under	7,196	46,787	30,267	2,546	1,181	87,977	6,636	12,921	149,748
Greater than 15 ppm to 500 ppm sulfur	—	223	1,778	35	—	2,036	3	258	2,308
Greater than 500 ppm sulfur	—	560	1,798	-60	—	2,298	-5	362	2,446
Residual Fuel Oil	231	2,088	1,276	-43	13	3,565	289	2,451	7,833
Less than 0.31 percent sulfur	243	—	622	—	—	865	178	54	1,146
0.31 to 1.00 percent sulfur	-2	772	293	-43	—	1,020	19	682	2,413
Greater than 1.00 percent sulfur	-10	1,316	361	—	13	1,680	92	1,715	4,274
Petrochemical Feedstocks	61	3,621	1,863	—	40	5,585	16	82	6,478
Naphtha for Petro. Feed. Use	56	2,419	1,113	—	—	3,588	—	—	4,029
Other Oils for Petro. Feed. Use	5	1,202	750	—	40	1,997	16	82	2,449
Special Naphthas	51	643	—	218	—	912	—	42	992
Lubricants	9	1,377	1,243	834	—	3,463	—	391	4,419
Waxes	—	40	83	32	—	155	—	—	208
Petroleum Coke	455	8,701	5,021	92	23	14,292	741	3,507	24,054
Marketable	235	6,850	4,086	82	—	11,253	537	2,604	18,148
Catalyst	220	1,851	935	10	23	3,039	204	903	5,906
Asphalt and Road Oil	168	399	633	963	45	2,208	999	756	10,674
Still Gas	804	5,663	3,225	319	75	10,086	703	3,299	19,386
Miscellaneous Products	140	1,019	464	15	9	1,647	85	364	2,541
Total	13,409	108,555	67,603	5,679	1,770	197,016	15,174	40,255	338,364
Processing Gain(-) or Loss(+) ¹	-1,102	-9,867	-6,172	-86	-92	-17,319	-760	-4,475	-30,820

— = 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, November 2024
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	1,688	—	1,688	65	175	576	816
Natural Gas Liquids	1,688	—	1,688	65	175	576	816
Normal Butane	1,264	—	1,264	61	124	362	547
Isobutane	—	—	—	—	—	—	—
Natural Gasoline	424	—	424	4	51	214	269
Other Liquids	86,468	5,569	92,037	42,723	7,968	12,105	62,796
Oxygenates/Renewables	9,289	606	9,895	4,523	933	1,432	6,888
Biofuels (including Fuel Ethanol)	9,289	606	9,895	4,523	933	1,432	6,888
Fuel Ethanol	8,989	557	9,546	4,394	904	1,390	6,688
Biodiesel	280	49	329	129	29	42	200
Renewable Diesel Fuel	20	—	20	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—	—
Unfinished Oils (net)	73	—	73	—	—	—	—
Naphthas and Lighter	73	—	73	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	77,106	4,963	82,069	38,200	7,035	10,673	55,908
Reformulated - RBOB	22,393	—	22,393	6,630	1,013	545	8,188
Conventional	54,713	4,963	59,676	31,570	6,022	10,128	47,720
CBOB	48,496	4,963	53,459	31,472	5,924	10,128	47,524
GTAB	910	—	910	—	—	—	—
Other	5,307	—	5,307	98	98	—	196
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	88,156	5,569	93,725	42,788	8,143	12,681	63,612

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	62	4,259	216	72	10	4,619	67	88	7,278
Natural Gas Liquids	62	4,259	216	72	10	4,619	67	88	7,278
Normal Butane	56	534	216	62	10	878	44	88	2,821
Isobutane	—	—	—	—	—	—	1	—	1
Natural Gasoline	6	3,725	—	10	—	3,741	22	—	4,456
Other Liquids	18,545	7,625	2,868	8,191	1,137	38,366	5,721	40,249	239,169
Oxygenates/Renewables	1,894	871	310	902	124	4,101	594	4,668	26,146
Biofuels (including Fuel Ethanol)	1,894	871	310	902	124	4,101	594	4,668	26,146
Fuel Ethanol	1,888	815	310	896	124	4,033	588	4,205	25,060
Biodiesel	6	56	—	6	—	68	6	247	850
Renewable Diesel Fuel	—	—	—	—	—	—	0	216	236
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Unfinished Oils (net)	—	41	-22	—	—	19	—	—	92
Naphthas and Lighter	—	—	—	—	—	—	—	—	73
Kerosene and Light Gas Oils	—	—	-22	—	—	-22	—	—	-22
Heavy Gas Oils	—	41	—	—	—	41	—	—	41
Residuum	—	—	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	16,651	6,713	2,580	7,289	1,013	34,246	5,127	35,581	212,931
Reformulated - RBOB	6,906	4,404	—	7	—	11,317	1,488	25,414	68,800
Conventional	9,745	2,309	2,580	7,282	1,013	22,929	3,639	10,167	144,131
CBOB	9,745	-3,806	1,577	7,282	1,002	15,800	3,638	9,903	130,324
GTAB	—	—	—	—	—	—	—	—	910
Other	—	6,115	1,003	—	11	7,129	1	264	12,897
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—	—	—
Total Input	18,607	11,884	3,084	8,263	1,147	42,985	5,788	40,337	246,447

— = 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, November 2024
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	87,983	5,520	93,503	42,686	8,115	12,631	63,432
Reformulated	34,043	23	34,066	7,982	1,457	605	10,044
Reformulated Blended with Fuel Ethanol	34,043	23	34,066	7,982	1,456	605	10,043
Reformulated Other	-	-	-	-	1	-	1
Conventional	53,940	5,497	59,437	34,704	6,658	12,026	53,388
Conventional Blended with Fuel Ethanol	54,790	5,530	60,320	35,231	7,157	12,163	54,551
Ed55 and Lower	54,707	5,530	60,237	35,209	7,116	12,040	54,365
Greater than Ed55	83	-	83	22	41	123	186
Conventional Other	-850	-33	-883	-527	-499	-137	-1,163
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	-122	-	-122	-39	-1	-1	-41
Kerosene	-56	-	-56	-	-	-	-
Distillate Fuel Oil	350	49	399	139	28	41	208
15 ppm sulfur and under	350	49	399	139	28	42	209
Greater than 15 ppm to 500 ppm sulfur	27	-	27	-	-	130	130
Greater than 500 ppm sulfur	-27	-	-27	-	-	-131	-131
Residual Fuel Oil	0	-	0	-	-	-	-
Less than 0.31 percent sulfur	0	-	0	-	-	-	-
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-
Greater than 1.00 percent sulfur	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-	-	1	3	4
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	88,155	5,569	93,724	42,786	8,143	12,674	63,603
Processing Gain(-) or Loss(+) ¹	1	0	1	2	0	7	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	18,601	11,787	3,104	8,256	1,147	42,895	5,798	39,916	245,544
Reformulated	7,636	6,924	-	-	-	14,560	1,642	28,485	88,797
Reformulated Blended with Fuel Ethanol	7,636	6,924	-	-	-	14,560	1,642	28,485	88,796
Reformulated Other	-	-	-	-	-	-	-	-	1
Conventional	10,965	4,863	3,104	8,256	1,147	28,335	4,156	11,431	156,747
Conventional Blended with Fuel Ethanol	11,013	1,098	3,092	8,751	1,219	25,173	4,157	13,152	157,353
Ed55 and Lower	11,010	1,097	3,092	8,731	1,218	25,148	4,153	13,137	157,040
Greater than Ed55	3	1	-	20	1	25	4	15	313
Conventional Other	-48	3,765	12	-495	-72	3,162	-1	-1,721	-606
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	35	7	-	0	42	50	-6	-77
Kerosene	-	-35	1	-	-	-34	-	-	-90
Distillate Fuel Oil	5	56	-30	7	0	38	-62	423	1,006
15 ppm sulfur and under	5	56	-30	7	0	38	-62	420	1,004
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	157
Greater than 500 ppm sulfur	-	-	-	-	-	-	-	3	-155
Residual Fuel Oil	-	41	-	-	-	41	-	-	41
Less than 0.31 percent sulfur	-	-	-	-	-	-	-	-	0
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-	-	-
Greater than 1.00 percent sulfur	-	41	-	-	-	41	-	-	41
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-	-	-	-	-	-	4
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	18,606	11,884	3,082	8,263	1,147	42,982	5,786	40,333	246,428
Processing Gain(-) or Loss(+) ¹	1	0	2	0	0	3	2	4	19

- = 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, November 2024
(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	5,818	823	6,641	9,127	1,865	1,911	12,903
Petroleum Products	9,027	2,021	11,048	29,325	6,257	11,147	46,729
Hydrocarbon Gas Liquids	549	57	606	2,691	203	1,305	4,199
Natural Gas Liquids	356	57	413	2,294	180	1,286	3,760
Ethane	—	—	—	—	—	—	—
Propane	62	8	70	576	50	794	1,420
Normal Butane	189	30	219	1,328	100	216	1,644
Isobutane	105	19	124	277	30	170	477
Natural Gasoline	—	—	—	113	—	106	219
Refinery Olefins	193	0	193	397	23	19	439
Ethylene	—	—	—	—	—	—	—
Propylene	124	0	124	348	20	10	378
Normal Butylene	55	0	55	49	3	9	61
Isobutylene	14	0	14	0	0	0	0
Biofuels/Other Hydrocarbons	212	97	309	55	47	30	132
Biofuels (including Fuel Ethanol)	212	97	309	41	47	30	118
Fuel Ethanol	212	88	300	35	38	25	98
Biodiesel	—	9	9	6	9	5	20
Renewable Diesel Fuel	—	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	14	—	—	14
Unfinished Oils	2,805	436	3,241	7,274	773	3,938	11,985
Naphthas and Lighter	512	256	768	1,732	209	1,096	3,037
Kerosene and Light Gas Oils	386	—	386	1,524	331	416	2,271
Heavy Gas Oils	1,459	173	1,632	2,609	233	1,575	4,417
Residuum	448	7	455	1,409	—	851	2,260
Motor Gasoline Blending Components (MGBC)	2,428	234	2,662	8,654	2,001	2,916	13,571
Reformulated - RBOB	1,091	—	1,091	834	—	—	834
Conventional	1,337	234	1,571	7,820	2,001	2,916	12,737
CBOB	31	189	220	3,302	1,222	2,045	6,569
GTAB	—	—	—	—	—	—	—
Other	1,306	45	1,351	4,518	779	871	6,168
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	46	46	651	203	292	1,146
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	46	46	651	203	292	1,146
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	46	46	651	203	292	1,146
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	435	—	435	1,657	308	269	2,234
Kerosene	109	4	113	141	—	46	187
Distillate Fuel Oil	1,299	298	1,597	3,453	1,109	1,585	6,147
15 ppm sulfur and under	1,033	255	1,288	3,309	1,051	1,473	5,833
Greater than 15 ppm to 500 ppm sulfur	55	35	90	—	—	40	40
Greater than 500 ppm sulfur	211	8	219	144	58	72	274
Residual Fuel Oil	459	22	481	727	120	120	967
Less than 0.31 percent sulfur	15	20	35	105	—	—	105
0.31 to 1.00 percent sulfur	275	2	277	128	39	31	198
Greater than 1.00 percent sulfur	169	—	169	494	81	89	664
Petrochemical Feedstocks	—	8	8	539	—	—	539
Naphtha for Petro. Feed. Use	—	—	—	405	—	—	405
Other Oils for Petro. Feed. Use	—	8	8	134	—	—	134
Special Naphthas	—	39	39	79	—	14	93
Lubricants	522	228	750	—	—	267	267
Waxes	—	265	265	—	—	49	49
Petroleum Coke	—	—	—	274	426	50	750
Marketable	—	—	—	274	426	50	750
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	199	269	468	3,051	1,038	258	4,347
Miscellaneous Products	10	18	28	79	29	8	116
Total Stocks, All Oils	14,845	2,844	17,689	38,452	8,122	13,058	59,632

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2024
(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	1,888	26,432	15,733	1,051	282	45,386	2,367	21,078	88,375
Petroleum Products	11,805	59,319	38,718	4,046	1,059	114,947	10,392	44,428	227,544
Hydrocarbon Gas Liquids	3,489	1,888	1,168	13	61	6,619	443	1,810	13,677
Natural Gas Liquids	2,658	1,616	1,063	13	61	5,411	314	1,794	11,692
Ethane	17	2	—	—	—	19	—	—	19
Propane	407	220	69	3	3	702	32	110	2,334
Normal Butane	1,700	1,130	564	4	44	3,442	168	1,311	6,784
Isobutane	390	216	239	6	14	865	108	370	1,944
Natural Gasoline	144	48	191	—	—	383	6	3	611
Refinery Olefins	831	272	105	0	0	1,208	129	16	1,985
Ethylene	0	0	—	—	—	0	—	—	0
Propylene	811	47	80	0	0	938	5	14	1,459
Normal Butylene	20	210	25	0	0	255	124	2	497
Isobutylene	0	15	0	0	0	15	0	0	29
Biofuels/Other Hydrocarbons	42	1,081	121	16	5	1,265	114	468	2,288
Biofuels (including Fuel Ethanol)	42	1,081	121	16	5	1,265	114	468	2,274
Fuel Ethanol	35	1,055	82	15	4	1,191	111	175	1,875
Biodiesel	7	26	39	1	1	74	3	4	110
Renewable Diesel Fuel	—	—	—	—	—	—	—	289	289
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	14
Unfinished Oils	2,591	24,034	13,355	996	481	41,457	2,885	16,775	76,343
Naphthas and Lighter	1,234	6,670	1,839	236	135	10,114	697	2,869	17,485
Kerosene and Light Gas Oils	349	4,493	1,840	23	122	6,827	675	2,926	13,085
Heavy Gas Oils	539	9,280	7,465	720	224	18,228	1,058	8,143	33,478
Residuum	469	3,591	2,211	17	—	6,288	455	2,837	12,295
Motor Gasoline Blending Components (MGBC)	3,125	13,229	10,791	355	284	27,784	3,132	11,646	58,795
Reformulated - RBOB	382	926	175	—	7	1,490	—	4,435	7,850
Conventional	2,743	12,303	10,616	355	277	26,294	3,132	7,211	50,945
CBOB	1,264	4,310	5,744	276	58	11,652	1,531	2,398	22,370
GTAB	—	—	—	—	—	—	—	—	—
Other	1,479	7,993	4,872	79	219	14,642	1,601	4,813	28,575
Aviation Gasoline Blending Components	23	—	5	—	—	28	—	—	28
Finished Motor Gasoline	70	1,119	852	19	6	2,066	829	435	4,522
Reformulated	—	—	—	—	—	—	—	15	15
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	15	15
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	70	1,119	852	19	6	2,066	829	420	4,507
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	71	—	71
Ed55 and Lower	—	—	—	—	—	—	71	—	71
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	70	1,119	852	19	6	2,066	758	420	4,436
Finished Aviation Gasoline	37	161	115	—	—	313	7	184	504
Kerosene-Type Jet Fuel	335	3,279	1,967	101	—	5,682	358	3,642	12,351
Kerosene	33	54	1	5	—	93	2	1	396
Distillate Fuel Oil	974	6,556	5,089	492	85	13,196	1,658	4,800	27,398
15 ppm sulfur and under	956	5,712	4,121	309	85	11,183	1,475	4,227	24,006
Greater than 15 ppm to 500 ppm sulfur	18	212	189	57	—	476	75	186	867
Greater than 500 ppm sulfur	—	632	779	126	—	1,537	108	387	2,525
Residual Fuel Oil	167	1,925	795	9	19	2,915	196	2,177	6,736
Less than 0.31 percent sulfur	31	113	16	—	—	160	6	34	340
0.31 to 1.00 percent sulfur	46	151	238	9	—	444	8	402	1,329
Greater than 1.00 percent sulfur	90	1,661	541	—	19	2,311	182	1,741	5,067
Petrochemical Feedstocks	28	1,580	330	3	22	1,963	—	—	2,510
Naphtha for Petro. Feed. Use	24	938	280	3	—	1,245	—	—	1,650
Other Oils for Petro. Feed. Use	4	642	50	—	22	718	—	—	860
Special Naphthas	90	545	—	188	—	823	—	32	987
Lubricants	60	2,005	1,970	1,015	—	5,050	—	756	6,823
Waxes	—	88	98	88	—	274	—	—	588
Petroleum Coke	53	1,373	1,452	—	—	2,878	100	759	4,487
Marketable	53	1,373	1,452	—	—	2,878	100	759	4,487
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	325	150	510	745	93	1,823	650	884	8,172
Miscellaneous Products	363	252	99	1	3	718	18	59	939
Total Stocks, All Oils	13,693	85,751	54,451	5,097	1,341	160,333	12,759	65,506	315,919

-- = 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-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, November 2024

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	0.7	-0.7	0.5	0.3	-2.7	-0.2	-0.2
Finished Motor Gasoline ¹	48.6	38.4	47.4	53.4	53.2	53.1	53.3
Finished Aviation Gasoline ²	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	12.3	—	10.9	9.5	6.0	4.0	7.8
Kerosene	0.7	0.2	0.6	0.0	—	0.2	0.1
Distillate Fuel Oil ³	30.7	25.8	30.1	27.1	31.6	38.1	30.2
Residual Fuel Oil	3.0	0.3	2.7	0.8	1.0	0.6	0.8
Naphtha for Petro. Feed. Use	—	—	—	0.6	—	—	0.4
Other Oils for Petro. Feed. Use	—	0.5	0.1	0.5	—	—	0.3
Special Naphthas	—	0.5	0.1	0.0	—	0.1	0.0
Lubricants	0.8	7.9	1.6	—	—	0.8	0.2
Waxes	—	0.5	0.1	—	—	0.2	0.0
Petroleum Coke	3.0	0.6	2.8	4.3	5.9	3.0	4.2
Asphalt and Road Oil	1.8	22.5	4.2	5.4	9.1	1.1	5.0
Still Gas	4.1	1.6	3.9	3.9	3.5	3.8	3.8
Miscellaneous Products	0.2	1.0	0.3	0.3	0.7	0.2	0.3
Processing Gain(-) or Loss(+) ⁴	-5.9	1.0	-5.1	-6.1	-8.2	-4.9	-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	2.5	3.9	3.5	-0.4	0.5	3.5	0.4	-0.7	1.8
Finished Motor Gasoline ¹	53.7	43.2	42.8	31.8	54.9	43.7	48.8	50.2	47.2
Finished Aviation Gasoline ²	0.4	0.0	0.1	—	—	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel	7.0	11.1	10.7	2.0	—	10.3	5.0	20.8	10.9
Kerosene	0.0	0.2	0.0	0.2	—	0.1	—	0.0	0.1
Distillate Fuel Oil ³	32.6	32.3	35.0	34.4	40.7	33.4	34.9	19.9	30.8
Residual Fuel Oil	1.1	1.4	1.3	-0.6	0.5	1.3	1.5	3.7	1.6
Naphtha for Petro. Feed. Use	0.3	1.7	1.2	—	—	1.3	—	—	0.8
Other Oils for Petro. Feed. Use	0.0	0.8	0.8	—	1.4	0.7	0.1	0.1	0.5
Special Naphthas	0.2	0.4	—	3.0	—	0.3	—	0.1	0.2
Lubricants	0.0	0.9	1.3	11.4	—	1.3	—	0.6	0.9
Waxes	—	0.0	0.1	0.4	—	0.1	—	—	0.0
Petroleum Coke	2.1	5.9	5.2	1.3	0.8	5.2	3.9	5.2	4.8
Asphalt and Road Oil	0.8	0.3	0.7	13.2	1.6	0.8	5.3	1.1	2.1
Still Gas	3.7	3.9	3.3	4.4	2.6	3.7	3.7	4.9	3.9
Miscellaneous Products	0.6	0.7	0.5	0.2	0.3	0.6	0.5	0.5	0.5
Processing Gain(-) or Loss(+) ⁴	-5.0	-6.7	-6.4	-1.2	-3.2	-6.3	-4.0	-6.7	-6.2

— = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas liquids, fuel ethanol, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, renewable diesel fuel, and other biofuels.

⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, November 2024
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil		
	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	140	1,208	1,348
Connecticut	—	—	—
Delaware	—	—	—
Florida	93	814	907
Georgia	—	75	75
Maine	—	—	—
Maryland	—	—	—
Massachusetts	—	—	—
New Hampshire	—	—	—
New Jersey	—	319	319
New York	45	—	45
North Carolina	—	—	—
Pennsylvania	—	—	—
Rhode Island	—	—	—
South Carolina	—	—	—
Vermont	—	—	—
Virginia	2	—	2
West Virginia	—	—	—
PAD District 2	10	74	84
Illinois	—	—	—
Indiana	—	—	—
Michigan	—	7	7
Minnesota	9	—	9
North Dakota	1	67	68
Ohio	—	—	—
Wisconsin	—	—	—
PAD District 3	—	1,770	1,770
Alabama	—	—	—
Louisiana	—	—	—
Mississippi	—	—	—
New Mexico	—	—	—
Texas	—	1,770	1,770
PAD District 4	4	—	4
Idaho	—	—	—
Montana	4	—	4
PAD District 5	54	77	131
Alaska	—	—	—
California	—	—	—
Hawaii	—	—	—
Oregon	—	—	—
Washington	54	77	131
U.S. Total	208	3,129	3,337

— = 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, November 2024
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	18,388	79,880	49,430	7,789	41,839	197,326	6,578
Hydrocarbon Gas Liquids	1,517	1,858	—	559	1,995	5,929	198
Natural Gas Liquids	1,173	1,700	—	559	1,995	5,427	181
Ethane	—	—	—	—	—	—	—
Propane	1,078	1,245	—	470	986	3,779	126
Normal Butane	95	261	—	77	1,009	1,442	48
Isobutane	—	193	—	9	—	202	7
Natural Gasoline	—	1	—	3	—	4	0
Refinery Olefins	344	158	—	—	—	502	17
Ethylene	—	—	—	—	—	—	—
Propylene	344	126	—	—	—	470	16
Normal Butylene	—	32	—	—	—	32	1
Isobutylene	—	—	—	—	—	—	—
Other Liquids	13,941	728	9,155	82	1,388	25,294	843
Hydrogen/Biofuels/Other Hydrocarbons	328	92	190	21	556	1,187	40
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	328	92	190	21	556	1,187	40
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	268	87	50	21	79	505	17
Renewable Diesel Fuel	60	5	140	—	477	682	23
Other Biofuels ³	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils ¹	2,143	—	8,709	—	643	11,495	383
Naphthas and Lighter	174	—	—	—	—	174	6
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	1,099	—	4,572	—	643	6,314	210
Residuum	870	—	4,137	—	—	5,007	167
Motor Gasoline Blend.Comp. (MGBC)	11,470	636	256	61	189	12,612	420
Reformulated - RBOB	4,499	—	—	—	—	4,499	150
Conventional	6,971	636	256	61	189	8,113	270
CBOB	1,538	40	—	—	—	1,578	53
GTAB	604	—	—	—	—	604	20
Other	4,829	596	256	61	189	5,931	198
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	8,653	1,351	3,390	422	2,849	16,665	556
Finished Motor Gasoline	2,482	—	—	—	384	2,866	96
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	2,482	—	—	—	384	2,866	96
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	2,482	—	—	—	384	2,866	96
Finished Aviation Gasoline	36	4	—	—	2	42	1
Kerosene-Type Jet Fuel	864	—	—	—	1,955	2,819	94
Bonded Aircraft Fuel	172	—	—	—	—	172	6
Other	692	—	—	—	1,955	2,647	88
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	2,808	404	29	269	258	3,768	126
15 ppm sulfur and under	2,808	309	29	269	256	3,671	122
Bonded	—	—	—	—	—	—	—
Other	2,808	309	29	269	256	3,671	122
Greater than 15 ppm to 500 ppm sulfur	—	1	—	—	—	1	0
Bonded	—	—	—	—	—	—	—
Other	—	1	—	—	—	1	0
Greater than 500 ppm to 2000 ppm sulfur	—	94	—	—	2	96	3
Bonded	—	—	—	—	—	—	—
Other	—	94	—	—	2	96	3
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	1,348	84	1,770	4	131	3,337	111
Less than 0.31 percent sulfur	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	140	10	—	4	54	208	7
Greater than 1.00 percent sulfur	1,208	74	1,770	—	77	3,129	104
Petrochemical Feedstocks	2	211	66	—	29	308	10
Naphtha for Petro. Feed. Use	—	147	38	—	29	214	7
Other Oils for Petro. Feed. Use	2	64	28	—	—	94	3
Special Naphthas	6	2	144	—	—	152	5
Lubricants	113	155	1,381	—	63	1,712	57
Waxes	69	8	—	—	—	77	3
Petroleum Coke (Marketable)	1	45	—	—	—	46	2
Asphalt and Road Oil	924	438	—	149	27	1,538	51
Miscellaneous Products	—	—	—	—	—	—	—
Total	42,499	83,817	61,975	8,852	48,071	245,214	8,174

-- = 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-November 2024
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	217,748	942,868	528,481	88,157	430,762	2,208,016	6,591
Hydrocarbon Gas Liquids	11,587	23,185	-	3,697	17,715	56,184	168
Natural Gas Liquids	8,532	21,161	-	3,697	17,715	51,105	153
Ethane	-	-	-	-	-	-	-
Propane	8,038	13,740	-	3,226	9,616	34,620	103
Normal Butane	433	4,822	-	275	7,887	13,417	40
Isobutane	61	2,592	-	168	212	3,033	9
Natural Gasoline	-	7	-	28	-	35	0
Refinery Olefins	3,055	2,024	-	-	-	5,079	15
Ethylene	-	-	-	-	-	-	-
Propylene	3,051	1,578	-	-	-	4,629	14
Normal Butylene	4	439	-	-	-	443	1
Isobutylene	-	7	-	-	-	7	0
Other Liquids	180,088	5,570	131,673	669	43,009	361,009	1,078
Hydrogen/Biofuels/Other Hydrocarbons	5,403	685	2,971	207	11,302	20,568	61
Hydrogen	-	-	-	-	-	-	-
Biofuels (including Fuel Ethanol)	5,403	685	2,971	207	11,302	20,568	61
Fuel Ethanol	-	-	-	-	-	-	-
Biodiesel	4,421	677	2,531	207	1,388	9,224	28
Renewable Diesel Fuel	982	8	440	-	9,914	11,344	34
Other Biofuels ³	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils ¹	25,373	-	116,192	-	12,977	154,542	461
Naphthas and Lighter	5,053	-	-	-	-	5,053	15
Kerosene and Lighter Gas Oils	-	-	-	-	-	-	-
Heavy Gas Oils	9,107	-	62,091	-	12,032	83,230	248
Residuum	11,213	-	54,101	-	945	66,259	198
Motor Gasoline Blend.Comp. (MGBC)	149,312	4,885	12,510	462	18,730	185,899	555
Reformulated - RBOB	49,481	-	-	-	253	49,734	148
Conventional	99,831	4,885	12,510	462	18,477	136,165	406
CBOB	19,697	243	-	-	420	20,360	61
GTAB	26,368	-	50	-	2,139	28,557	85
Other	53,766	4,642	12,460	462	15,918	87,248	260
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	100,298	15,588	38,137	3,564	41,218	198,805	593
Finished Motor Gasoline	25,976	-	48	-	5,249	31,273	93
Reformulated	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	25,976	-	48	-	5,249	31,273	93
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	25,976	-	48	-	5,249	31,273	93
Finished Aviation Gasoline	226	41	15	-	28	310	1
Kerosene-Type Jet Fuel	7,592	-	-	103	28,868	36,563	109
Bonded Aircraft Fuel	1,138	-	-	-	6,880	8,018	24
Other	6,454	-	-	103	21,988	28,545	85
Kerosene	-	-	-	-	15	15	0
Distillate Fuel Oil	36,822	3,668	192	2,420	4,376	47,478	142
15 ppm sulfur and under	36,328	3,118	31	2,420	4,372	46,269	138
Bonded	-	-	-	-	-	-	-
Other	36,328	3,118	31	2,420	4,372	46,269	138
Greater than 15 ppm to 500 ppm sulfur	81	28	161	-	-	270	1
Bonded	-	-	-	-	-	-	-
Other	81	28	161	-	-	270	1
Greater than 500 ppm to 2000 ppm sulfur	-	522	-	-	4	526	2
Bonded	-	-	-	-	-	-	-
Other	-	522	-	-	4	526	2
Greater than 2000 ppm	413	-	-	-	-	413	1
Bonded	342	-	-	-	-	342	1
Other	71	-	-	-	-	71	0
Residual Fuel Oil	15,461	2,006	17,201	60	1,063	35,791	107
Less than 0.31 percent sulfur	1,324	-	773	-	315	2,412	7
0.31 to 1.00 percent sulfur	2,863	613	1,125	60	551	5,212	16
Greater than 1.00 percent sulfur	11,274	1,393	15,303	-	197	28,167	84
Petrochemical Feedstocks	529	1,749	1,925	-	303	4,506	13
Naphtha for Petro. Feed. Use	494	1,010	1,596	-	297	3,397	10
Other Oils for Petro. Feed. Use	35	739	329	-	6	1,109	3
Special Naphthas	24	52	4,557	-	-	4,633	14
Lubricants	1,383	2,188	11,320	2	330	15,223	45
Waxes	928	128	94	-	119	1,269	4
Petroleum Coke (Marketable)	10	108	2,719	-	-	2,837	8
Asphalt and Road Oil	11,347	5,648	66	979	867	18,907	56
Miscellaneous Products	-	-	-	-	-	-	-
Total	509,721	987,211	698,291	96,087	532,704	2,824,014	8,430

-- = 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, November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	29,405	63	—	4,899	—	—	—	—	—	—
Algeria	998	—	—	1,377	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	63	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	6,718	—	—	1,788	—	—	—	—	—	—
Kuwait	588	—	—	482	—	—	—	—	—	—
Libya	2,026	—	—	—	—	—	—	—	—	—
Nigeria	2,922	—	—	—	—	—	—	—	—	—
Saudi Arabia	7,087	—	—	996	—	—	—	—	—	—
United Arab Emirates	2,069	—	—	256	—	—	—	—	—	—
Venezuela	6,997	—	—	—	—	—	—	—	—	—
Non-OPEC	167,921	5,364	502	6,596	—	2,866	2,866	4,499	8,113	12,612
Angola	2,251	—	—	—	—	—	—	—	324	324
Argentina	2,233	—	—	—	—	—	—	—	456	456
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	1,224	1,224	313	618	931
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	380	—	—	—	—	—	—
Brazil	9,279	—	—	660	—	324	324	—	328	328
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	118,898	5,364	502	851	—	305	305	2,270	2,157	4,427
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	86	86
Colombia	7,927	—	—	484	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	5,047	—	—	170	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	4	—	4
France	—	—	—	—	—	—	—	1	272	273
Germany	—	—	—	74	—	—	—	—	22	22
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	871	—	—	—	3	1,783	1,786
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	10	10	—	11	11
Korea, South	—	—	—	—	—	368	368	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	13,597	—	—	3,021	—	—	—	—	—	—
Netherlands	—	—	—	—	—	330	330	1,447	709	2,156
Norway	—	—	—	—	—	—	—	—	207	207
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	569	569
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	332	332
Sweden	—	—	—	—	—	—	—	24	—	24
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	1,968	—	—	—	—	—	—	—	—	—
United Kingdom	1,584	—	—	—	—	—	—	92	114	206
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	5,137	0	0	85	—	305	305	345	125	470
Total	197,326	5,427	502	11,495	—	2,866	2,866	4,499	8,113	12,612
Persian Gulf⁴	16,462	—	—	3,522	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, November 2024
(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	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	505	682	—	3,671	1	96	—	3,768	—	42
Angola	—	—	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	29	—	—	—	29	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	250	5	—	3,581	1	96	—	3,678	—	6
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	60	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	130	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	61	—	—	—	61	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	36
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	125	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	617	—	0	0	0	—	0	—	0
Total	—	505	682	—	3,671	1	96	—	3,768	—	42
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, November 2024
(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	—	282	—	—	—	4	4	—	—
Algeria	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	4	4	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	282	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	2,537	152	—	208	3,125	3,333	214	94
Angola	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	12
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	30	24	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	564	91	—	206	539	745	147	82
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	485	485	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	1	—	1	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	37	—	—	—	—	—	—
Germany	—	—	—	—	1	—	1	33	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	110	110	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	5	—
Korea, South	—	1,943	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	1,987	1,987	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	0	—	0	4	4	29	0
Total	—	2,819	152	—	208	3,129	3,337	214	94
Persian Gulf¹	—	—	—	—	—	4	4	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, November 2024
(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	—	—	86	145	—	5,479	34,884	980	183	1,163
Algeria	—	—	—	—	—	1,377	2,375	33	46	79
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	63	63	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	1,792	8,510	224	60	284
Kuwait	—	—	—	—	—	482	1,070	20	16	36
Libya	—	—	—	—	—	—	2,026	68	—	68
Nigeria	—	—	—	—	—	282	3,204	97	9	107
Saudi Arabia	—	—	—	—	—	996	8,083	236	33	269
United Arab Emirates	—	—	—	145	—	401	2,470	69	13	82
Venezuela	—	—	86	—	—	86	7,083	233	3	236
Non-OPEC	77	46	1,452	1,567	—	42,409	210,330	5,597	1,414	7,011
Angola	—	—	—	—	—	324	2,575	75	11	86
Argentina	—	—	—	5	—	473	2,706	74	16	90
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,155	2,155	—	72	72
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	2	—	382	382	—	13	13
Brazil	—	—	—	—	—	1,395	10,674	309	47	356
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	72	45	1,379	224	—	18,737	137,635	3,963	625	4,588
Chad	—	—	—	—	—	—	—	—	—	—
China	3	—	—	—	—	89	89	—	3	3
Colombia	—	—	—	—	—	969	8,896	264	32	297
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	170	5,217	168	6	174
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	1	1	—	0	0
Finland	—	—	—	—	—	64	64	—	2	2
France	—	—	—	7	—	317	317	—	11	11
Germany	—	—	—	20	—	280	280	—	9	9
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	2,767	2,767	—	92	92
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	6	—	32	32	—	1	1
Korea, South	1	—	—	626	—	2,999	2,999	—	100	100
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	1	—	—	—	—	1	1	—	0	0
Mexico	—	—	—	—	—	5,008	18,605	453	167	620
Netherlands	—	—	73	—	—	2,595	2,595	—	87	87
Norway	—	—	—	—	—	207	207	—	7	7
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	569	569	—	19	19
Qatar	—	—	—	673	—	673	673	—	22	22
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	457	457	—	15	15
Sweden	—	—	—	—	—	24	24	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	1,968	66	—	66
United Kingdom	—	—	—	—	—	206	1,790	53	7	60
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	1	0	4	—	1,515	6,652	172	49	220
Total	77	46	1,538	1,712	—	47,888	245,214	6,578	1,596	8,174
Persian Gulf⁴	—	—	—	818	—	4,344	20,806	549	145	694

— = 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-November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	339,683	262	—	64,502	—	420	420	—	7,995	7,995
Algeria	6,019	80	—	15,346	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	182	—	—	—	—	—	—	—	—
Gabon	1,437	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	65,727	—	—	21,709	—	—	—	—	—	—
Kuwait	7,173	—	—	8,753	—	—	—	—	144	144
Libya	26,710	—	—	—	—	—	—	—	—	—
Nigeria	51,660	—	—	3,818	—	—	—	—	137	137
Saudi Arabia	94,405	—	—	13,125	—	420	420	—	6,999	6,999
United Arab Emirates	12,167	—	—	1,751	—	—	—	—	715	715
Venezuela	74,385	—	—	—	—	—	—	—	—	—
Non-OPEC	1,868,333	50,843	5,079	90,040	—	30,853	30,853	49,734	128,170	177,904
Angola	16,924	259	—	101	—	125	125	—	2,123	2,123
Argentina	22,214	—	—	300	—	24	24	—	2,124	2,124
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	180	180
Bahamas	—	—	—	457	—	3,055	3,055	937	5,422	6,359
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	2,473	—	1,254	1,254	737	1,121	1,858
Brazil	73,064	—	—	8,892	—	348	348	—	10,083	10,083
Brunei	—	—	—	317	—	—	—	—	—	—
Cameroon	1,660	—	—	—	—	—	—	—	—	—
Canada	1,357,597	50,047	5,079	6,004	—	4,585	4,585	21,544	19,111	40,655
Chad	936	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	321	321	—	2,578	2,578
Colombia	71,814	—	—	8,753	—	—	—	—	469	469
Denmark	—	—	—	782	—	—	—	—	—	—
Ecuador	43,993	—	—	691	—	—	—	—	—	—
Egypt	—	—	—	82	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	485	485	314	466	780
France	—	—	—	2,058	—	591	591	1	3,981	3,982
Germany	—	—	—	1,144	—	67	67	321	243	564
Guatemala	556	—	—	—	—	—	—	—	—	—
India	—	—	—	2,523	—	227	227	3	20,901	20,904
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	476	—	486	486	—	5,030	5,030
Korea, South	—	—	—	—	—	3,975	3,975	49	10,211	10,260
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	54	54	—	1,469	1,469
Malaysia	—	—	—	183	—	—	—	—	97	97
Mexico	155,889	—	—	36,750	—	—	—	—	253	253
Netherlands	—	—	—	3,179	—	7,715	7,715	13,469	8,280	21,749
Norway	3,986	—	—	—	—	4,319	4,319	1,038	3,447	4,485
Oman	—	—	—	500	—	—	—	—	321	321
Portugal	—	—	—	323	—	13	13	289	9,181	9,470
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	3,162	—	462	462	314	3,794	4,108
Sweden	—	—	—	428	—	898	898	350	1,600	1,950
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	14,842	30	—	—	—	—	—	—	—	—
United Kingdom	21,351	261	—	1,777	—	1,211	1,211	9,712	3,034	12,746
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	83,507	246	0	8,685	—	638	638	656	12,651	13,307
Total	2,208,016	51,105	5,079	154,542	—	31,273	31,273	49,734	136,165	185,899
Persian Gulf⁴	179,472	—	—	45,338	—	420	420	—	7,858	7,858

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-November 2024
(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	—	—	—	—	—	—	—	32	32	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	32	32	—	—
Non-OPEC	—	9,224	11,344	—	46,269	270	526	381	47,446	15	310
Angola	—	—	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	292	—	—	—	—	—	—	—	—	—
Brazil	—	99	—	—	29	140	—	—	169	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	2,754	1,682	—	44,408	42	526	89	45,065	—	62
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	36	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	401	21	—	133	555	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	523	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	2,660	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	872	—	—	—	—	—	—	—	—	—
Korea, South	—	414	—	—	966	—	—	—	966	15	7
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	148	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	465	67	—	113	645	—	—
Netherlands	—	—	175	—	—	—	—	—	—	—	241
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	1,949	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	8,964	—	0	0	0	46	46	0	0
Total	—	9,224	11,344	—	46,269	270	526	413	47,478	15	310
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—	—

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-November 2024
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	1,923	106	1,967	283	1,812	4,062	—	—
Algeria	—	—	—	1,486	—	—	1,486	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	209	—	209	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	490	490	—	—
Kuwait	—	872	—	—	—	342	342	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	282	—	481	74	—	555	—	—
Saudi Arabia	—	651	106	—	—	439	439	—	—
United Arab Emirates	—	88	—	—	—	—	—	—	—
Venezuela	—	30	—	—	—	541	541	—	—
Non-OPEC	—	34,640	4,527	445	4,929	26,355	31,729	3,397	1,109
Angola	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	71	—	71	—	141
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	96	96	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	38	—	87	—	87	72	—
Brazil	—	44	480	—	257	9	266	—	15
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3,539	628	130	2,911	3,348	6,389	1,158	831
Chad	—	—	—	—	—	—	—	—	—
China	—	2,739	—	—	—	—	—	—	—
Colombia	—	4	—	—	332	3,029	3,361	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	158	158	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	1	—	1	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	37	—	—	—	—	—	104
Germany	—	—	—	—	49	—	49	58	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	1,329	7	—	—	110	110	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	207	207	42	—
Korea, South	—	25,532	2,639	—	—	—	—	1,142	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	147	224	371	—	—
Malaysia	—	212	—	—	—	—	—	—	—
Mexico	—	29	470	—	70	17,445	17,515	21	18
Netherlands	—	—	226	—	—	—	—	153	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	19	19	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	131	131	57	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	40	—	—	358	233	591	40	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	1,172	2	315	646	1,346	2,307	654	0
Total	—	36,563	4,633	2,412	5,212	28,167	35,791	3,397	1,109
Persian Gulf¹	—	1,611	106	—	—	1,271	1,271	—	—

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-November 2024
(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	—	246	592	1,960	—	82,100	421,783	1,014	245	1,259
Algeria	—	—	—	—	—	16,912	22,931	18	50	68
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	182	182	—	1	1
Gabon	—	—	—	—	—	209	1,646	4	1	5
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	22,199	87,926	196	66	262
Kuwait	—	246	—	—	—	10,357	17,530	21	31	52
Libya	—	—	—	—	—	—	26,710	80	—	80
Nigeria	—	—	—	—	—	4,792	56,452	154	14	169
Saudi Arabia	—	—	—	135	—	21,875	116,280	282	65	347
United Arab Emirates	—	—	—	1,825	—	4,379	16,546	36	13	49
Venezuela	—	—	592	—	—	1,195	75,580	222	4	226
Non-OPEC	1,269	2,591	18,315	13,263	—	533,898	2,402,231	5,577	1,594	7,171
Angola	—	—	—	—	—	2,608	19,532	51	8	58
Argentina	—	255	—	12	—	2,927	25,141	66	9	75
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	180	180	—	1	1
Bahamas	—	—	—	38	—	10,005	10,005	—	30	30
Bahrain	—	—	—	608	—	608	608	—	2	2
Belgium	—	—	—	42	—	6,116	6,116	—	18	18
Brazil	—	1,530	—	—	—	21,926	94,990	218	65	284
Brunei	—	—	—	—	—	317	317	—	1	1
Cameroon	—	—	—	—	—	—	1,660	5	—	5
Canada	949	106	17,186	3,071	—	189,790	1,547,387	4,053	567	4,619
Chad	—	—	—	—	—	—	936	3	—	3
China	116	—	—	—	—	5,790	5,790	—	17	17
Colombia	—	420	206	—	—	13,768	85,582	214	41	255
Denmark	—	—	—	—	—	782	782	—	2	2
Ecuador	—	—	—	—	—	849	44,842	131	3	134
Egypt	—	—	—	—	—	82	82	—	0	0
Estonia	—	—	—	—	—	1	1	—	0	0
Finland	—	—	—	—	—	1,788	1,788	—	5	5
France	—	—	—	75	—	6,847	6,847	—	20	20
Germany	—	2	—	191	—	4,735	4,735	—	14	14
Guatemala	—	—	—	—	—	—	556	2	—	2
India	—	—	—	1	—	25,101	25,101	—	75	75
Indonesia	—	—	—	654	—	654	654	—	2	2
Italy	—	—	—	83	—	7,196	7,196	—	21	21
Korea, South	1	—	—	3,480	—	48,431	48,431	—	145	145
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,894	1,894	—	6	6
Malaysia	79	—	—	—	—	719	719	—	2	2
Mexico	—	—	—	—	—	55,701	211,590	465	166	632
Netherlands	—	3	387	100	—	33,928	33,928	—	101	101
Norway	—	—	—	—	—	8,804	12,790	12	26	38
Oman	—	—	—	—	—	840	840	—	3	3
Portugal	—	—	—	—	—	9,806	9,806	—	29	29
Qatar	—	—	—	4,877	—	4,877	4,877	—	15	15
Russia	—	—	—	—	—	—	—	—	—	—
Spain	4	—	299	—	—	10,172	10,172	—	30	30
Sweden	—	1	—	—	—	3,277	3,277	—	10	10
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	30	14,872	44	0	44
United Kingdom	18	1	—	—	—	16,685	38,036	64	50	114
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	102	273	237	31	—	36,664	120,171	249	110	359
Total	1,269	2,837	18,907	15,223	—	615,998	2,824,014	6,591	1,839	8,430
Persian Gulf⁴	—	246	—	7,445	—	64,295	243,767	536	192	728

— = 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, November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	8,549	—	—	328	—	—	—	—	—	—
Algeria	998	—	—	328	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	1,044	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	992	—	—	—	—	—	—	—	—	—
Nigeria	2,922	—	—	—	—	—	—	—	—	—
Saudi Arabia	2,116	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	477	—	—	—	—	—	—	—	—	—
Non-OPEC	9,839	1,173	344	1,815	—	2,482	2,482	4,499	6,971	11,470
Angola	1,032	—	—	—	—	—	—	—	324	324
Argentina	—	—	—	—	—	—	—	—	431	431
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	1,224	1,224	313	618	931
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	380	—	—	—	—	—	—
Brazil	—	—	—	—	—	324	324	—	328	328
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	4,789	1,173	344	464	—	289	289	2,270	1,350	3,620
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	489	—	—	176	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	170	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	4	—	4
France	—	—	—	—	—	—	—	1	272	273
Germany	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	3	1,683	1,686
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	10	10	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	540	—	—	—	—	—	—
Netherlands	—	—	—	—	—	330	330	1,447	618	2,065
Norway	—	—	—	—	—	—	—	—	207	207
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	569	569
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	332	332
Sweden	—	—	—	—	—	—	—	24	—	24
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	878	—	—	—	—	—	—	—	—	—
United Kingdom	616	—	—	—	—	—	—	92	114	206
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	2,035	0	0	85	—	305	305	345	125	470
Total	18,388	1,173	344	2,143	—	2,482	2,482	4,499	6,971	11,470
Persian Gulf⁴	3,160	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	268	60	-	2,808	-	-	-	2,808	-	36
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	63	-	-	2,808	-	-	-	2,808	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	60	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	130	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	36
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	75	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	-	-	-	0	-	0
Total	-	268	60	-	2,808	-	-	-	2,808	-	36
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	—	282	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	282	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	582	6	—	140	1,208	1,348	—	2
Angola	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	30	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	552	6	—	138	—	138	—	2
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	467	467	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	1	—	1	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	1	—	1	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	737	737	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	0	—	0	4	4	—	0
Total	—	864	6	—	140	1,208	1,348	—	2
Persian Gulf¹	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	—	—	86	—	—	696	9,245	285	23	308
Algeria	—	—	—	—	—	328	1,326	33	11	44
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	1,044	35	—	35
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	992	33	—	33
Nigeria	—	—	—	—	—	282	3,204	97	9	107
Saudi Arabia	—	—	—	—	—	—	2,116	71	—	71
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	86	—	—	86	563	16	3	19
Non-OPEC	69	1	838	113	—	23,415	33,254	328	781	1,108
Angola	—	—	—	—	—	324	1,356	34	11	45
Argentina	—	—	—	—	—	431	431	—	14	14
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,155	2,155	—	72	72
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	380	380	—	13	13
Brazil	—	—	—	—	—	682	682	—	23	23
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	64	—	765	63	—	10,351	15,140	160	345	505
Chad	—	—	—	—	—	—	—	—	—	—
China	3	—	—	—	—	3	3	—	0	0
Colombia	—	—	—	—	—	643	1,132	16	21	38
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	170	170	—	6	6
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	1	1	—	0	0
Finland	—	—	—	—	—	64	64	—	2	2
France	—	—	—	7	—	280	280	—	9	9
Germany	—	—	—	14	—	145	145	—	5	5
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	1,686	1,686	—	56	56
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	1	—	11	11	—	0	0
Korea, South	1	—	—	24	—	25	25	—	1	1
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	1	—	—	—	—	1	1	—	0	0
Mexico	—	—	—	—	—	1,277	1,277	—	43	43
Netherlands	—	—	73	—	—	2,504	2,504	—	83	83
Norway	—	—	—	—	—	207	207	—	7	7
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	569	569	—	19	19
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	407	407	—	14	14
Sweden	—	—	—	—	—	24	24	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	878	29	—	29
United Kingdom	—	—	—	—	—	206	822	21	7	27
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	1	0	4	—	869	2,904	68	29	96
Total	69	1	924	113	—	24,111	42,499	613	804	1,417
Persian Gulf⁴	—	—	—	—	—	—	3,160	105	—	105

— = 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, November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	79,880	1,700	158	-	-	-	-	-	636	636
Angola	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	79,880	1,700	158	-	-	-	-	-	636	636
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	79,880	1,700	158	-	-	-	-	-	636	636
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	87	5	-	309	1	94	-	404	-	4
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	87	5	-	309	1	94	-	404	-	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	-	0
Total	-	87	5	-	309	1	94	-	404	-	4
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	2	-	10	74	84	147	64
Angola	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	2	-	10	74	84	147	64
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	-	-	2	-	10	74	84	147	64
Persian Gulf¹	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	8	45	438	155	—	3,937	83,817	2,663	131	2,794
Angola	—	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	8	45	438	155	—	3,937	83,817	2,663	131	2,794
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	—	0	0	0	0	0
Total	8	45	438	155	—	3,937	83,817	2,663	131	2,794
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—

— = 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, November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	11,861	—	—	4,078	—	—	—	—	—	—
Algeria	—	—	—	556	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	520	—	—	1,788	—	—	—	—	—	—
Kuwait	588	—	—	482	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	4,233	—	—	996	—	—	—	—	—	—
United Arab Emirates	—	—	—	256	—	—	—	—	—	—
Venezuela	6,520	—	—	—	—	—	—	—	—	—
Non-OPEC	37,569	—	—	4,631	—	—	—	—	256	256
Angola	1,219	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	25	25
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—
Brazil	511	—	—	660	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	14,405	—	—	311	—	—	—	—	107	107
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	5,069	—	—	308	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	710	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	22	22
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	871	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	11	11
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	13,597	—	—	2,481	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	91	91
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	1,090	—	—	—	—	—	—	—	—	—
United Kingdom	968	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	—	—	0	—	—	—	—	0	0
Total	49,430	—	—	8,709	—	—	—	—	256	256
Persian Gulf⁴	5,341	—	—	3,522	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	50	140	-	29	-	-	-	29	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	29	-	-	-	29	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-
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	-	50	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	140	-	0	-	-	-	0	-	-
Total	-	50	140	-	29	-	-	-	29	-	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	—	—	—	—	4	4	—	—
Algeria	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	4	4	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	144	—	—	1,766	1,766	38	28
Angola	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	12
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	24	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	83	—	—	388	388	—	16
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	18	18	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	37	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	33	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	110	110	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	5	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	1,250	1,250	—	—
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	—	—	144	—	—	1,770	1,770	38	28
Persian Gulf¹	—	—	—	—	—	4	4	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	—	—	—	145	—	4,227	16,088	395	141	536
Algeria	—	—	—	—	—	556	556	—	19	19
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	1,792	2,312	17	60	77
Kuwait	—	—	—	—	—	482	1,070	20	16	36
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	996	5,229	141	33	174
United Arab Emirates	—	—	—	145	—	401	401	—	13	13
Venezuela	—	—	—	—	—	—	6,520	217	—	217
Non-OPEC	—	—	—	1,236	—	8,318	45,887	1,252	277	1,530
Angola	—	—	—	—	—	—	1,219	41	—	41
Argentina	—	—	—	5	—	42	42	—	1	1
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	2	—	2	2	—	0	0
Brazil	—	—	—	—	—	713	1,224	17	24	41
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	905	15,310	480	30	510
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	326	5,395	169	11	180
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	710	24	—	24
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	37	37	—	1	1
Germany	—	—	—	6	—	61	61	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	981	981	—	33	33
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	5	—	21	21	—	1	1
Korea, South	—	—	—	585	—	585	585	—	20	20
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	3,731	17,328	453	124	578
Netherlands	—	—	—	—	—	91	91	—	3	3
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	633	—	633	633	—	21	21
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	50	50	—	2	2
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	1,090	36	—	36
United Kingdom	—	—	—	—	—	—	968	32	—	32
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	140	140	0	4	4
Total	—	—	—	1,381	—	12,545	61,975	1,648	418	2,066
Persian Gulf⁴	—	—	—	778	—	4,304	9,645	178	143	322

— = 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, November 2024
(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	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	7,789	559	-	-	-	-	-	-	61	61
Angola	-	-	-	-	-	-	-	-	-	-
Canada	7,789	559	-	-	-	-	-	-	61	61
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	-	-	-	0	0
Total	7,789	559	-	-	-	-	-	-	61	61
	PAD District 5									
OPEC	8,995	63	-	493	-	-	-	-	-	-
Algeria	-	-	-	493	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	63	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	5,154	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	1,034	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	738	-	-	-	-	-	-	-	-	-
United Arab Emirates	2,069	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	32,844	1,932	-	150	-	384	384	-	189	189
Angola	-	-	-	-	-	-	-	-	-	-
Argentina	2,233	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	8,768	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	12,035	1,932	-	76	-	16	16	-	3	3
China	-	-	-	-	-	-	-	-	86	86
Colombia	2,369	-	-	-	-	-	-	-	-	-
Ecuador	4,337	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	74	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	368	368	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	3,102	0	-	0	-	0	0	-	100	100
Total	41,839	1,995	-	643	-	384	384	-	189	189
Persian Gulf ⁴	7,961	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(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	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	21	-	-	269	-	-	-	269	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Canada	-	21	-	-	269	-	-	-	269	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	0	-	-
Total	-	21	-	-	269	-	-	-	269	-	-
	PAD District 5										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	79	477	-	256	-	2	-	258	-	2
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	79	-	-	195	-	2	-	197	-	2
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	61	-	-	-	61	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	477	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	-	0	-	0	-	0
Total	-	79	477	-	256	-	2	-	258	-	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, November 2024
(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	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	4	-	4	-	-
Angola	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	4	-	4	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	-	-
Total	-	-	-	-	4	-	4	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1,955	-	-	54	77	131	29	-
Angola	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	12	-	-	54	77	131	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-
Korea, South	-	1,943	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	29	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	0	0	0	-
Total	-	1,955	-	-	54	77	131	29	-
Persian Gulf ⁴	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2024
(Thousand Barrels) — Continued

Country of Origin								Daily Average		
								Crude Oil	Products	Total
	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products			
	PAD District 4									
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	149	—	—	1,063	8,852	260	35	295
Angola	—	—	—	—	—	—	—	—	—	—
Canada	—	—	149	—	—	1,063	8,852	260	35	295
Ecuador	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	—	—	0	0	0	0	0
Total	—	—	149	—	—	1,063	8,852	260	35	295
	PAD District 5									
OPEC	—	—	—	—	—	556	9,551	300	19	318
Algeria	—	—	—	—	—	493	493	—	16	16
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	5,154	172	—	172
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	1,034	34	—	34
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	738	25	—	25
United Arab Emirates	—	—	—	—	—	—	2,069	69	—	69
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	27	63	—	5,676	38,520	1,095	189	1,284
Angola	—	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	2,233	74	—	74
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	8,768	292	—	292
Brunei	—	—	—	—	—	—	—	—	—	—
Canada	—	—	27	6	—	2,481	14,516	401	83	484
China	—	—	—	—	—	86	86	—	3	3
Colombia	—	—	—	—	—	—	2,369	79	—	79
Ecuador	—	—	—	—	—	—	4,337	145	—	145
Finland	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	74	74	—	2	2
Indonesia	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	17	—	2,389	2,389	—	80	80
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	40	—	40	40	—	1	1
Singapore	—	—	—	—	—	477	477	—	16	16
Sweden	—	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	29	29	—	1	1
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	—	100	3,202	104	3	107
Total	—	—	27	63	—	6,232	48,071	1,395	208	1,602
Persian Gulf ⁴	—	—	—	40	—	40	8,001	265	1	267

— = 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 FIA-814 "Monthly Imports Report"

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	98,079	—	—	7,687	—	420	420	—	6,593	6,593
Algeria	4,961	—	—	5,357	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	2,034	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	144	—
Libya	17,324	—	—	—	—	—	—	—	—	—
Nigeria	47,123	—	—	2,330	—	—	—	—	137	137
Saudi Arabia	20,746	—	—	—	—	420	420	—	6,312	6,312
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	5,891	—	—	—	—	—	—	—	—	—
Non-OPEC	119,669	8,532	3,055	17,686	—	25,556	25,556	49,481	93,238	142,719
Angola	9,559	—	—	101	—	125	125	—	2,123	2,123
Argentina	—	—	—	300	—	—	—	—	1,887	1,887
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,479	2,479	937	5,422	6,359
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	385	—	1,254	1,254	737	1,024	1,761
Brazil	369	—	—	—	—	324	324	—	9,140	9,140
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	1,011	—	—	—	—	—	—	—	—	—
Canada	49,250	8,012	3,055	1,597	—	4,051	4,051	21,544	13,209	34,753
Chad	936	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	321	321	—	645	645
Colombia	7,674	—	—	3,178	—	—	—	—	405	405
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	170	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	485	485	314	407	721
France	—	—	—	1,123	—	574	574	1	3,861	3,862
Germany	—	—	—	900	—	67	67	321	110	431
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	76	76	3	13,527	13,530
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	468	468	—	4,947	4,947
Korea, South	—	—	—	—	—	34	34	—	1,458	1,458
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	50	50	—	1,469	1,469
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	11,271	—	—	3,585	—	—	—	—	—	—
Netherlands	—	—	—	1,063	—	7,707	7,707	13,265	7,107	20,372
Norway	2,152	—	—	—	—	4,319	4,319	1,038	3,447	4,485
Oman	—	—	—	—	—	—	—	—	321	321
Portugal	—	—	—	323	—	13	13	289	9,181	9,470
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	2,256	—	462	462	314	3,737	4,051
Sweden	—	—	—	91	—	898	898	350	1,293	1,643
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	3,761	—	—	—	—	—	—	—	—	—
United Kingdom	11,513	261	—	555	—	1,211	1,211	9,712	2,411	12,123
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	22,173	259	0	2,059	—	638	638	656	6,107	6,763
Total	217,748	8,532	3,055	25,373	—	25,976	25,976	49,481	99,831	149,312
Persian Gulf⁴	22,780	—	—	—	—	420	420	—	6,456	6,456

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-November 2024
(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	—	—	—	—	—	—	—	32	32	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	32	32	—	—
Non-OPEC	—	4,421	982	—	36,328	81	—	381	36,790	—	226
Angola	—	—	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	200	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	896	—	—	35,464	14	—	89	35,567	—	—
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	399	—	—	133	532	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	403	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	1,584	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	405	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	465	67	—	113	645	—	—
Netherlands	—	—	52	—	—	—	—	—	—	—	226
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	1,336	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	527	—	0	0	—	46	46	—	0
Total	—	4,421	982	—	36,328	81	—	413	36,822	—	226
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—	—

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-November 2024
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	1,923	—	1,324	283	945	2,552	—	—
Algeria	—	—	—	1,324	—	—	1,324	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	209	—	209	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	145	145	—	—
Kuwait	—	872	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	282	—	—	74	—	74	—	—
Saudi Arabia	—	651	—	—	—	259	259	—	—
United Arab Emirates	—	88	—	—	—	—	—	—	—
Venezuela	—	30	—	—	—	541	541	—	—
Non-OPEC	—	5,669	24	—	2,580	10,329	12,909	494	35
Angola	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	71	—	71	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	96	96	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	87	—	87	—	—
Brazil	—	44	—	—	257	9	266	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3,350	24	—	1,294	1,075	2,369	37	35
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	4	—	—	59	2,805	2,864	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	158	158	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	1	—	1	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	49	—	49	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	1,329	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	207	207	37	—
Korea, South	—	873	—	—	—	—	—	201	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	147	224	371	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	29	—	—	70	4,555	4,625	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	19	19	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	57	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	40	—	—	358	233	591	4	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	0	0	187	948	1,135	158	0
Total	—	7,592	24	1,324	2,863	11,274	15,461	494	35
Persian Gulf¹	—	1,611	—	—	—	404	404	—	—

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-November 2024
(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	—	—	592	87	—	19,886	117,965	293	59	352
Algeria	—	—	—	—	—	6,681	11,642	15	20	35
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	209	209	—	1	1
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	145	2,179	6	0	7
Kuwait	—	—	—	—	—	1,016	1,016	—	3	3
Libya	—	—	—	—	—	—	17,324	52	—	52
Nigeria	—	—	—	—	—	2,823	49,946	141	8	149
Saudi Arabia	—	—	—	—	—	7,642	28,388	62	23	85
United Arab Emirates	—	—	—	87	—	175	175	—	1	1
Venezuela	—	—	592	—	—	1,195	7,086	18	4	21
Non-OPEC	928	10	10,755	1,296	—	272,087	391,756	357	812	1,169
Angola	—	—	—	—	—	2,608	12,167	29	8	36
Argentina	—	—	—	—	—	2,258	2,258	—	7	7
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	38	—	8,972	8,972	—	27	27
Bahrain	—	—	—	39	—	39	39	—	0	0
Belgium	—	—	—	32	—	3,719	3,719	—	11	11
Brazil	—	—	—	—	—	9,774	10,143	1	29	30
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	1,011	3	—	3
Canada	833	1	9,991	865	—	105,436	154,686	147	315	462
Chad	—	—	—	—	—	—	936	3	—	3
China	69	—	—	—	—	1,035	1,035	—	3	3
Colombia	—	—	140	—	—	7,123	14,797	23	21	44
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	328	328	—	1	1
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	1	1	—	0	0
Finland	—	—	—	—	—	1,609	1,609	—	5	5
France	—	—	—	62	—	5,621	5,621	—	17	17
Germany	—	2	—	121	—	3,154	3,154	—	9	9
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	1	—	14,936	14,936	—	45	45
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	25	—	6,089	6,089	—	18	18
Korea, South	1	—	—	91	—	2,658	2,658	—	8	8
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,890	1,890	—	6	6
Malaysia	3	—	—	—	—	3	3	—	0	0
Mexico	—	—	—	—	—	8,884	20,155	34	27	60
Netherlands	—	1	387	—	—	29,808	29,808	—	89	89
Norway	—	—	—	—	—	8,804	10,956	6	26	33
Oman	—	—	—	—	—	340	340	—	1	1
Portugal	—	—	—	—	—	9,806	9,806	—	29	29
Qatar	—	—	—	1	—	1	1	—	0	0
Russia	—	—	—	—	—	—	—	—	—	—
Spain	4	—	—	—	—	8,166	8,166	—	24	24
Sweden	—	—	—	—	—	2,632	2,632	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	3,761	11	—	11
United Kingdom	—	1	—	—	—	14,786	26,299	34	44	79
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	18	5	237	21	—	11,607	33,780	66	34	100
Total	928	10	11,347	1,383	—	291,973	509,721	650	872	1,522
Persian Gulf⁴	—	—	—	127	—	9,018	31,798	68	27	95

— = 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-November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	942,868	21,161	2,024	-	-	-	-	-	4,885	4,885
Angola	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	942,868	21,161	2,024	-	-	-	-	-	4,885	4,885
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	942,868	21,161	2,024	-	-	-	-	-	4,885	4,885
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-

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-November 2024
(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	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	677	8	-	3,118	28	522	-	3,668	-	41
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	677	8	-	3,118	28	522	-	3,668	-	41
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	0	0	-	0	-	0
Total	-	677	8	-	3,118	28	522	-	3,668	-	41
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

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-November 2024
(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	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	52	-	613	1,393	2,006	1,010	739
Angola	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	52	-	613	1,393	2,006	1,010	739
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	-	-	52	-	613	1,393	2,006	1,010	739
Persian Gulf⁴	-	-	-	-	-	-	-	-	-

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-November 2024
(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	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	128	108	5,648	2,188	—	44,343	987,211	2,815	132	2,947
Angola	—	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	1	—	1	1	—	0	0
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	116	105	5,648	2,166	—	44,306	987,174	2,815	132	2,947
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	21	—	21	21	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	2	—	—	—	2	2	—	0	0
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	1	—	—	—	1	1	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	12	0	0	0	—	12	12	0	0	0
Total	128	108	5,648	2,188	—	44,343	987,211	2,815	132	2,947
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—

— = 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-November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	133,482	—	—	48,877	—	—	—	—	997	997
Algeria	9	—	—	2,500	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	785	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	520	—	—	21,709	—	—	—	—	—	—
Kuwait	6,198	—	—	8,753	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	557	—	—	1,488	—	—	—	—	—	—
Saudi Arabia	56,919	—	—	12,676	—	—	—	—	687	687
United Arab Emirates	—	—	—	1,751	—	—	—	—	310	310
Venezuela	68,494	—	—	—	—	—	—	—	—	—
Non-OPEC	394,999	—	—	67,315	—	48	48	—	11,513	11,513
Angola	6,176	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	24	24	—	237	237
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	457	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	332	—	—	—	—	97	97
Brazil	7,551	—	—	8,892	—	24	24	—	943	943
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	649	—	—	—	—	—	—	—	—	—
Canada	153,405	—	—	3,880	—	—	—	—	362	362
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	260	260
Colombia	52,065	—	—	5,575	—	—	—	—	64	64
Denmark	—	—	—	782	—	—	—	—	—	—
Ecuador	710	—	—	521	—	—	—	—	—	—
Egypt	—	—	—	82	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	59	59
France	—	—	—	935	—	—	—	—	—	—
Germany	—	—	—	170	—	—	—	—	133	133
Guatemala	556	—	—	—	—	—	—	—	—	—
India	—	—	—	1,921	—	—	—	—	1,201	1,201
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	302	—	—	—	—	60	60
Korea, South	—	—	—	—	—	—	—	—	3,666	3,666
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	139,639	—	—	32,366	—	—	—	—	253	253
Netherlands	—	—	—	1,956	—	—	—	—	687	687
Norway	1,834	—	—	—	—	—	—	—	—	—
Oman	—	—	—	500	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	906	—	—	—	—	57	57
Sweden	—	—	—	337	—	—	—	—	307	307
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	11,081	—	—	—	—	—	—	—	—	—
United Kingdom	9,838	—	—	1,222	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	10,710	—	—	6,179	—	0	0	—	3,127	3,127
Total	528,481	—	—	116,192	—	48	48	—	12,510	12,510
Persian Gulf⁴	63,637	—	—	44,889	—	—	—	—	997	997

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-November 2024
(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	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2,531	440	-	31	161	-	-	192	-	15
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	92	-	-	-	-	-	-	-	-	-
Brazil	-	99	-	-	29	140	-	-	169	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	160	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	36	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	2	21	-	-	23	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	1,076	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	467	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	148	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	15
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	613	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	280	-	0	0	-	-	0	-	0
Total	-	2,531	440	-	31	161	-	-	192	-	15
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

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-November 2024
(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	—	—	106	643	—	867	1,510	—	—
Algeria	—	—	—	162	—	—	162	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	345	345	—	—
Kuwait	—	—	—	—	—	342	342	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	481	—	—	481	—	—
Saudi Arabia	—	—	106	—	—	180	180	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	4,451	130	1,125	14,436	15,691	1,596	329
Angola	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	141
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	38	—	—	—	—	72	—
Brazil	—	—	480	—	—	—	—	—	15
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	552	130	393	803	1,326	111	51
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	273	224	497	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	37	—	—	—	—	—	104
Germany	—	—	—	—	—	—	—	58	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	7	—	—	110	110	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	5	—
Korea, South	—	—	2,639	—	—	—	—	941	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	470	—	—	12,770	12,770	21	18
Netherlands	—	—	226	—	—	—	—	153	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	131	131	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	2	0	459	398	857	235	0
Total	—	—	4,557	773	1,125	15,303	17,201	1,596	329
Persian Gulf¹	—	—	106	—	—	867	867	—	—

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-November 2024
(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	—	246	—	1,873	—	53,609	187,091	398	160	558
Algeria	—	—	—	—	—	2,662	2,671	0	8	8
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	785	2	—	2
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	22,054	22,574	2	66	67
Kuwait	—	246	—	—	—	9,341	15,539	19	28	46
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	1,969	2,526	2	6	8
Saudi Arabia	—	—	—	135	—	13,784	70,703	170	41	211
United Arab Emirates	—	—	—	1,738	—	3,799	3,799	—	11	11
Venezuela	—	—	—	—	—	—	68,494	204	—	204
Non-OPEC	94	2,473	66	9,447	—	116,201	511,200	1,179	347	1,526
Angola	—	—	—	—	—	—	6,176	18	—	18
Argentina	—	255	—	11	—	668	668	—	2	2
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	457	457	—	1	1
Bahrain	—	—	—	569	—	569	569	—	2	2
Belgium	—	—	—	10	—	641	641	—	2	2
Brazil	—	1,530	—	—	—	12,152	19,703	23	36	59
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	649	2	—	2
Canada	—	—	—	—	—	6,442	159,847	458	19	477
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	296	296	—	1	1
Colombia	—	420	66	—	—	6,645	58,710	155	20	175
Denmark	—	—	—	—	—	782	782	—	2	2
Ecuador	—	—	—	—	—	521	1,231	2	2	4
Egypt	—	—	—	—	—	82	82	—	0	0
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	59	59	—	0	0
France	—	—	—	13	—	1,089	1,089	—	3	3
Germany	—	—	—	49	—	1,486	1,486	—	4	4
Guatemala	—	—	—	—	—	—	556	2	—	2
India	—	—	—	—	—	3,239	3,239	—	10	10
Indonesia	—	—	—	654	—	654	654	—	2	2
Italy	—	—	—	58	—	892	892	—	3	3
Korea, South	—	—	—	3,296	—	10,542	10,542	—	31	31
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	76	—	—	—	—	224	224	—	1	1
Mexico	—	—	—	—	—	45,898	185,537	417	137	554
Netherlands	—	—	—	100	—	3,137	3,137	—	9	9
Norway	—	—	—	—	—	—	1,834	5	—	5
Oman	—	—	—	—	—	500	500	—	1	1
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	4,678	—	4,678	4,678	—	14	14
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	1,707	1,707	—	5	5
Sweden	—	—	—	—	—	644	644	—	2	2
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	11,081	33	—	33
United Kingdom	18	—	—	—	—	1,240	11,078	29	4	33
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	268	0	9	—	10,957	21,667	33	34	67
Total	94	2,719	66	11,320	—	169,810	698,291	1,578	507	2,084
Persian Gulf⁴	—	246	—	7,120	—	54,225	117,862	190	162	352

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

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

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2024
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
	PAD District 4									
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	88,157	3,697	—	—	—	—	—	—	462	462
Angola	—	—	—	—	—	—	—	—	—	—
Canada	88,157	3,697	—	—	—	—	—	—	462	462
Ecuador	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	—	—	—	—	—	0	0
Total	88,157	3,697	—	—	—	—	—	—	462	462
	PAD District 5									
OPEC	108,122	262	—	7,938	—	—	—	—	405	405
Algeria	1,049	—	—	7,489	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	182	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	63,173	—	—	—	—	—	—	—	—	—
Kuwait	975	—	—	—	—	—	—	—	—	—
Libya	9,386	—	—	—	—	—	—	—	—	—
Nigeria	3,980	—	—	—	—	—	—	—	—	—
Saudi Arabia	16,740	—	—	449	—	—	—	—	—	—
United Arab Emirates	12,167	—	—	—	—	—	—	—	405	405
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	322,640	17,453	—	5,039	—	5,249	5,249	253	18,072	18,325
Angola	1,189	—	—	—	—	—	—	—	—	—
Argentina	22,214	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	180	180
Brazil	65,144	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	317	—	—	—	—	—	—
Canada	123,917	17,177	—	527	—	534	534	—	193	193
China	—	—	—	—	—	—	—	—	1,673	1,673
Colombia	12,075	—	—	—	—	—	—	—	—	—
Ecuador	43,283	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	74	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	152	—	—	—	—	1,800	1,800
Korea, South	—	—	—	—	—	3,941	3,941	49	5,087	5,136
Malaysia	—	—	—	183	—	—	—	—	97	97
Mexico	4,979	—	—	799	—	—	—	—	—	—
Netherlands	—	—	—	160	—	8	8	204	486	690
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	668	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Singapore	—	—	—	295	—	—	—	—	61	61
Sweden	—	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—	—	—	1,556	1,556
United Kingdom	—	—	—	—	—	—	—	—	623	623
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Other	49,171	276	—	2,532	—	766	766	0	6,316	6,316
Total	430,762	17,715	—	12,977	—	5,249	5,249	253	18,477	18,730
Persian Gulf ⁴	93,055	—	—	449	—	—	—	—	405	405

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-November 2024
(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	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	207	-	-	2,420	-	-	-	2,420	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Canada	-	207	-	-	2,420	-	-	-	2,420	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	0	-	-
Total	-	207	-	-	2,420	-	-	-	2,420	-	-
	PAD District 5										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1,388	9,914	-	4,372	-	4	-	4,376	15	28
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	974	1,514	-	3,406	-	4	-	3,410	-	21
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	120	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	414	-	-	966	-	-	-	966	15	7
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	123	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	8,157	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	-	0	-	0	0	0
Total	-	1,388	9,914	-	4,372	-	4	-	4,376	15	28
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-November 2024
(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	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	103	-	-	60	-	60	-	-
Angola	-	-	-	-	-	-	-	-	-
Canada	-	103	-	-	60	-	60	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	0	-	-
Total	-	103	-	-	60	-	60	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	28,868	-	315	551	197	1,063	297	6
Angola	-	-	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	86	-	-	551	77	628	-	6
China	-	2,739	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	209	-	315	-	-	315	-	-
Korea, South	-	24,659	-	-	-	-	-	-	-
Malaysia	-	212	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	120	120	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	523	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	440	-	-	-	-	-	261	-
United Kingdom	-	-	-	-	-	-	-	36	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	0	0	0	0	0
Total	-	28,868	-	315	551	197	1,063	297	6
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-November 2024
(Thousand Barrels) — Continued

Country of Origin								Daily Average		
								Crude Oil	Products	Total
	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products			
	PAD District 4									
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	979	2	—	7,930	96,087	263	24	287
Angola	—	—	—	—	—	—	—	—	—	—
Canada	—	—	979	2	—	7,930	96,087	263	24	287
Ecuador	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	—	0	0	0	0	0
Total	—	—	979	2	—	7,930	96,087	263	24	287
	PAD District 5									
OPEC	—	—	—	—	—	8,605	116,727	323	26	348
Algeria	—	—	—	—	—	7,569	8,618	3	23	26
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	63,173	189	—	189
Kuwait	—	—	—	—	—	—	975	3	—	3
Libya	—	—	—	—	—	—	9,386	28	—	28
Nigeria	—	—	—	—	—	—	3,980	12	—	12
Saudi Arabia	—	—	—	—	—	449	17,189	50	1	51
United Arab Emirates	—	—	—	—	—	405	12,572	36	1	38
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	119	—	867	330	—	93,337	415,977	963	279	1,242
Angola	—	—	—	—	—	—	1,189	4	—	4
Argentina	—	—	—	—	—	—	22,214	66	—	66
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	180	180	—	1	1
Brazil	—	—	—	—	—	—	65,144	194	—	194
Brunei	—	—	—	—	—	317	317	—	1	1
Canada	—	—	568	38	—	25,676	149,593	370	77	447
China	47	—	—	—	—	4,459	4,459	—	13	13
Colombia	—	—	—	—	—	—	12,075	36	—	36
Ecuador	—	—	—	—	—	—	43,283	129	—	129
Finland	—	—	—	—	—	120	120	—	0	0
Germany	—	—	—	—	—	74	74	—	0	0
Indonesia	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	1	—	2,477	2,477	—	7	7
Korea, South	—	—	—	93	—	35,231	35,231	—	105	105
Malaysia	—	—	—	—	—	492	492	—	1	1
Mexico	—	—	—	—	—	919	5,898	15	3	18
Netherlands	—	—	—	—	—	981	981	—	3	3
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	668	2	—	2
Qatar	—	—	—	198	—	198	198	—	1	1
Singapore	—	—	—	—	—	9,036	9,036	—	27	27
Sweden	—	—	—	—	—	—	—	—	—	—
Taiwan	72	—	—	—	—	2,329	2,329	—	7	7
United Kingdom	—	—	—	—	—	659	659	—	2	2
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Other	0	—	299	0	—	10,189	59,360	147	31	178
Total	119	—	867	330	—	101,942	532,704	1,286	304	1,590
Persian Gulf ⁴	—	—	—	198	—	1,052	94,107	278	3	281

— = 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 FIA-814 "Monthly Imports Report"

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, November 2024
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	3	2,117	127,905	–	1	130,026	4,334
Hydrocarbon Gas Liquids	9,242	9,902	77,572	3	1,669	98,387	3,280
Natural Gas Liquids	9,242	9,902	77,572	3	1,669	98,387	3,280
Ethane	2,221	3,272	10,272	0	2	15,767	526
Propane	6,217	23	52,854	1	1,251	60,346	2,012
Normal Butane	748	146	13,837	0	377	15,108	504
Isobutane	0	–	53	–	–	53	2
Natural Gasoline	56	6,461	555	1	39	7,112	237
Other Liquids	891	2,752	10,757	240	547	15,186	506
Hydrogen/Biofuels/Other Hydrocarbons	202	996	3,013	225	156	4,592	153
Hydrogen	–	–	–	–	–	–	–
Biofuels	202	996	3,013	225	156	4,592	153
Fuel Ethanol	198	982	2,972	204	116	4,472	149
Biodiesel	4	14	41	21	39	120	4
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels ²	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	12	1,747	5,064	7	303	7,132	238
Naphthas and Lighter	3	1,682	4,031	–	287	6,004	200
Kerosene and Light Gas Oils	9	65	1,032	7	15	1,129	38
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	677	9	2,680	8	88	3,462	115
Reformulated	0	0	–	–	0	0	0
Conventional	677	9	2,680	8	88	3,461	115
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	750	425	93,791	17	8,572	103,555	3,452
Finished Motor Gasoline	33	104	26,774	0	888	27,799	927
Reformulated	–	–	–	–	–	–	–
Conventional	33	104	26,774	0	888	27,799	927
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	9	1	6,163	–	1,090	7,264	242
Kerosene	1	–	50	–	31	82	3
Distillate Fuel Oil	26	50	38,093	–	3,653	41,823	1,394
15 ppm sulfur and under	12	0	33,996	–	3,629	37,638	1,255
Greater than 15 ppm to 500 ppm sulfur	13	7	2,270	–	6	2,296	77
Greater than 500 ppm sulfur	1	42	1,827	–	19	1,889	63
Residual Fuel Oil	133	1	3,744	–	114	3,991	133
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	–	2	115	–	400	517	17
Special Naphthas	–	–	–	–	–	–	–
Lubricants	231	136	3,360	15	67	3,810	127
Waxes	85	27	16	0	3	132	4
Petroleum Coke	139	72	14,916	–	2,287	17,414	580
Asphalt and Road Oil	69	31	545	1	35	682	23
Miscellaneous Products	24	1	14	–	4	42	1
Total	10,886	15,196	310,025	260	10,788	347,155	11,572

– = 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-November 2024
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	1,425	26,160	1,352,326	–	4,750	1,384,661	4,133
Hydrocarbon Gas Liquids	105,061	69,039	771,140	1,106	21,476	967,821	2,889
Natural Gas Liquids	105,061	69,039	771,140	1,106	21,476	967,821	2,889
Ethane	22,787	24,682	114,177	1	27	161,674	483
Propane	63,862	716	514,721	6	13,519	592,825	1,770
Normal Butane	17,824	1,260	138,369	1	7,473	164,927	492
Isobutane	8	3	1,023	–	23	1,057	3
Natural Gasoline	580	42,377	2,850	1,098	434	47,339	141
Other Liquids	3,889	32,935	133,099	2,547	4,641	177,112	529
Hydrogen/Biofuels/Other Hydrocarbons	2,517	12,671	26,406	2,109	1,726	45,429	136
Hydrogen	–	–	–	–	–	–	–
Biofuels	2,517	12,671	26,406	2,109	1,726	45,429	136
Fuel Ethanol	2,477	10,465	25,682	1,725	819	41,167	123
Biodiesel	41	2,206	725	384	907	4,262	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	200	19,582	86,990	371	1,751	108,893	325
Naphthas and Lighter	53	17,235	77,587	1	619	95,495	285
Kerosene and Light Gas Oils	147	2,347	9,403	370	1,131	13,399	40
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	1,172	683	19,703	67	1,165	22,790	68
Reformulated	34	1	36	–	4	75	0
Conventional	1,138	682	19,667	67	1,161	22,715	68
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	30,895	8,011	913,885	283	109,305	1,062,379	3,171
Finished Motor Gasoline	790	1,290	249,211	8	12,185	263,485	787
Reformulated	–	–	–	–	–	–	–
Conventional	790	1,290	249,211	8	12,185	263,485	787
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	1,084	868	57,339	75	9,589	68,955	206
Kerosene	421	1	965	–	110	1,496	4
Distillate Fuel Oil	12,644	454	374,505	1	41,779	429,383	1,282
15 ppm sulfur and under	11,613	5	330,618	0	37,786	380,021	1,134
Greater than 15 ppm to 500 ppm sulfur	255	161	28,239	–	608	29,262	87
Greater than 500 ppm sulfur	776	289	15,648	1	3,386	20,099	60
Residual Fuel Oil	4,747	57	38,832	–	5,050	48,685	145
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	125	4	2,585	0	2,432	5,146	15
Special Naphthas	–	–	–	–	–	–	–
Lubricants	2,739	2,234	34,720	178	2,516	42,388	127
Waxes	849	306	172	2	52	1,382	4
Petroleum Coke	5,800	1,904	150,818	0	34,935	193,457	577
Asphalt and Road Oil	1,535	887	4,428	17	623	7,490	22
Miscellaneous Products	161	6	311	0	34	513	2
Total	141,270	136,145	3,170,451	3,936	140,172	3,591,974	10,722

– = 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, November 2024
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	0	—	0	—	—	—	—	—	—
Australia	911	0	—	0	—	0	0	—	0	0
Bahamas	0	32	—	—	—	171	171	—	1,401	1,401
Bahrain	—	—	—	—	—	0	0	—	—	—
Belgium	—	2,927	—	0	—	—	—	—	—	—
Belize	—	26	—	—	—	50	50	—	—	—
Brazil	1,495	489	—	1,055	—	—	—	—	0	0
Canada	13,853	10,071	—	1,760	—	121	121	—	817	817
Cayman Islands	—	—	—	—	—	10	10	—	—	—
Chile	—	708	—	8	—	315	315	—	—	—
China	5,850	18,715	—	6	—	—	—	—	5	5
Colombia	548	182	—	321	—	1,016	1,016	—	0	0
Costa Rica	—	209	—	12	—	915	915	—	—	—
Denmark	1,432	—	—	—	—	—	—	—	—	—
Dominican Republic	1,098	1,492	—	0	—	594	594	—	0	0
Ecuador	—	2,065	—	0	—	715	715	—	595	595
Egypt	—	2,459	—	—	—	—	—	—	—	—
El Salvador	—	479	—	0	—	790	790	—	—	—
Finland	—	0	—	0	—	—	—	—	—	—
France	4,697	1,773	—	40	—	—	—	—	—	—
Germany	3,456	0	—	2	—	—	—	—	—	—
Ghana	—	55	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	586	—	—	—	—	—	—	—	—
Guatemala	—	549	—	0	—	1,563	1,563	—	0	0
Honduras	—	627	—	—	—	696	696	—	—	—
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	8,217	2,120	—	1	—	—	—	—	—	—
Indonesia	—	3,299	—	0	—	—	—	—	—	—
Ireland	1,303	—	—	—	—	—	—	—	—	—
Israel	—	—	—	—	—	—	—	—	—	—
Italy	3,203	422	—	0	—	—	—	—	—	—
Jamaica	—	78	—	—	—	216	216	0	—	0
Japan	2,149	18,210	—	568	—	0	0	0	0	0
Korea, South	14,344	5,499	—	1	—	0	0	—	25	25
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	6,261	—	913	—	16,704	16,704	—	604	604
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,361	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	28,245	2,740	—	906	—	—	—	—	0	0
New Zealand	—	—	—	0	—	0	0	—	—	—
Nicaragua	—	—	—	—	—	198	198	—	—	—
Nigeria	—	486	—	0	—	461	461	—	—	—
Norway	—	2,128	—	—	—	—	—	—	0	0
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	2,456	392	—	—	—	594	594	—	—	—
Peru	1,553	669	—	11	—	352	352	—	—	—
Philippines	—	102	—	—	—	—	—	—	—	—
Portugal	1,045	—	—	—	—	—	—	—	—	—
Puerto Rico	—	0	—	1	—	584	584	—	0	0
Romania	—	—	—	0	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	4,758	1,497	—	1	—	—	—	—	14	14
South Africa	—	1,188	—	—	—	—	—	—	—	—
Spain	4,653	1,560	—	—	—	—	—	—	—	—
Switzerland	706	—	—	0	—	—	—	—	—	—
Taiwan	8,830	26	—	0	—	—	—	—	—	—
Thailand	3,142	—	—	1	—	—	—	—	—	—
Trinidad and Tobago	—	1	—	0	—	488	488	—	—	—
Turkiye	—	534	—	28	—	—	—	—	—	—
United Arab Emirates	—	—	—	0	—	—	—	—	—	—
United Kingdom	10,868	997	—	575	—	—	—	—	—	—
Venezuela	—	—	—	920	—	615	615	—	—	—
Other	1,214	4,373	—	2	—	631	631	—	—	1
Total	130,026	98,387	—	7,132	—	27,799	27,799	0	3,461	3,462

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, November 2024
(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	492	—	—	—	492	—	—
Australia	37	—	NA	NA	—	—	—	—	—	—	—
Bahamas	—	—	NA	NA	601	—	—	—	601	—	—
Bahrain	1	—	NA	NA	—	—	—	—	—	0	—
Belgium	0	—	NA	NA	619	—	—	—	619	—	—
Belize	—	—	NA	NA	—	68	—	—	68	—	—
Brazil	0	—	NA	NA	2,313	—	151	—	2,464	50	—
Canada	1,360	74	NA	NA	0	216	45	—	261	31	—
Cayman Islands	—	—	NA	NA	61	—	—	—	61	—	—
Chile	0	—	NA	NA	3,341	—	—	—	3,341	—	—
China	0	—	NA	NA	1	—	—	—	1	—	—
Colombia	314	—	NA	NA	1,081	—	—	—	1,081	—	—
Costa Rica	1	—	NA	NA	472	—	—	—	472	0	—
Denmark	—	—	NA	NA	—	—	—	—	—	—	—
Dominican Republic	1	0	NA	NA	358	185	170	—	714	0	—
Ecuador	—	—	NA	NA	2,853	285	—	—	3,138	—	—
Egypt	—	—	NA	NA	—	—	—	—	—	—	—
El Salvador	—	—	NA	NA	223	180	—	—	403	0	—
Finland	—	—	NA	NA	—	—	—	—	—	—	—
France	3	—	NA	NA	649	—	—	—	649	—	—
Germany	0	4	NA	NA	307	—	—	—	307	—	—
Ghana	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar	—	—	NA	NA	—	—	—	—	—	—	—
Greece	—	—	NA	NA	—	—	—	—	—	—	—
Guatemala	—	—	NA	NA	701	720	—	—	1,421	0	—
Honduras	—	—	NA	NA	740	195	—	—	936	0	—
Hong Kong	—	—	NA	NA	0	—	—	—	0	0	—
India	570	—	NA	NA	441	0	294	—	735	—	—
Indonesia	—	—	NA	NA	—	—	—	—	—	—	—
Ireland	0	—	NA	NA	—	—	—	—	—	—	—
Israel	0	—	NA	NA	0	—	—	—	0	—	—
Italy	—	—	NA	NA	—	—	—	—	—	—	—
Jamaica	0	—	NA	NA	137	—	15	—	152	0	—
Japan	0	—	NA	NA	—	—	—	—	—	—	—
Korea, South	164	—	NA	NA	1	—	—	—	1	0	—
Lebanon	—	—	NA	NA	—	—	—	—	—	—	—
Mexico	195	—	NA	NA	7,994	20	63	—	8,077	0	—
Montenegro	—	—	NA	NA	—	—	—	—	—	—	—
Morocco	—	—	NA	NA	307	—	—	—	307	—	—
Mozambique	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands	404	—	NA	NA	4,394	6	93	—	4,493	—	—
New Zealand	—	—	NA	NA	—	—	—	—	—	—	—
Nicaragua	0	—	NA	NA	—	118	—	—	118	—	—
Nigeria	137	—	NA	NA	—	—	—	—	—	—	—
Norway	—	0	NA	NA	—	—	247	—	247	—	—
Pakistan	—	—	NA	NA	—	—	—	—	—	—	—
Panama	1	—	NA	NA	1,121	—	114	—	1,235	0	—
Peru	87	41	NA	NA	2,822	—	—	—	2,822	—	—
Philippines	313	—	NA	NA	—	—	—	—	—	—	—
Portugal	—	—	NA	NA	—	—	—	—	—	—	—
Puerto Rico	5	—	NA	NA	169	—	—	—	169	—	—
Romania	—	—	NA	NA	0	—	—	—	0	—	—
Saudi Arabia	0	—	NA	NA	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore	150	—	NA	NA	800	—	—	—	800	—	—
South Africa	0	—	NA	NA	—	—	—	—	—	—	—
Spain	118	—	NA	NA	—	—	—	—	—	—	—
Switzerland	6	—	NA	NA	509	—	—	—	509	—	—
Taiwan	0	—	NA	NA	—	—	—	—	—	—	—
Thailand	0	—	NA	NA	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	NA	NA	131	—	288	—	419	—	—
Turkiye	—	—	NA	NA	1	—	—	—	1	—	—
United Arab Emirates	0	—	NA	NA	—	—	—	—	—	—	—
United Kingdom	436	—	NA	NA	1,629	—	—	—	1,629	—	—
Venezuela	0	—	NA	NA	0	—	—	—	0	—	—
Other	169	1	NA	NA	2,370	303	409	—	3,080	1	—
Total	4,472	120	NA	NA	37,638	2,296	1,889	—	41,823	82	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, November 2024
(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	—	—	—	129	—	—	0	—
Australia	—	—	—	—	—	—	1	0
Bahamas	—	4	—	—	—	—	0	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	0
Belize	—	30	—	—	—	—	—	—
Brazil	—	447	—	0	—	—	1	2,104
Canada	—	696	—	210	—	2	95	335
Cayman Islands	—	—	—	0	—	—	—	—
Chile	—	452	—	—	—	—	0	0
China	—	—	—	2	—	—	4	1,454
Colombia	—	1	—	—	—	—	1	0
Costa Rica	—	110	—	—	—	—	0	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	150	—	76	—	—	0	—
Ecuador	—	—	—	—	—	—	—	—
Egypt	—	—	—	0	—	—	—	547
El Salvador	—	105	—	—	—	—	0	—
Finland	—	—	—	—	—	—	—	—
France	—	325	—	—	—	—	0	52
Germany	—	—	—	15	—	—	2	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	246
Guatemala	—	99	—	204	—	—	0	370
Honduras	—	53	—	274	—	—	0	—
Hong Kong	—	—	—	—	—	—	0	—
India	—	—	—	—	—	115	4	4,199
Indonesia	—	—	—	—	—	—	0	—
Ireland	—	—	—	—	—	—	—	—
Israel	—	0	—	—	—	—	—	290
Italy	—	—	—	—	—	—	0	215
Jamaica	—	90	—	89	—	—	—	—
Japan	—	0	—	0	—	—	1	1,131
Korea, South	—	2	—	—	—	—	0	280
Lebanon	—	—	—	—	—	—	—	—
Mexico	—	2,108	—	187	—	—	13	1,149
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	359	—	—	—	248
Mozambique	—	—	—	—	—	—	—	55
Netherlands	—	479	—	975	—	—	5	676
New Zealand	—	—	—	—	—	—	0	—
Nicaragua	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	130
Pakistan	—	—	—	—	—	—	—	—
Panama	—	452	—	779	—	—	—	—
Peru	—	230	—	—	—	—	0	—
Philippines	—	—	—	—	—	—	0	—
Portugal	—	—	—	—	—	—	0	232
Puerto Rico	—	0	—	—	—	—	0	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	0	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	400	—	—
South Africa	—	—	—	0	—	—	0	56
Spain	—	—	—	247	—	—	0	611
Switzerland	—	—	—	—	—	—	0	220
Taiwan	—	—	—	—	—	—	0	—
Thailand	—	—	—	—	—	—	0	286
Trinidad and Tobago	—	214	—	—	—	—	—	—
Türkiye	—	—	—	—	—	—	0	1,313
United Arab Emirates	—	—	—	0	—	—	0	72
United Kingdom	—	13	—	0	—	—	0	34
Venezuela	—	—	—	—	—	—	—	—
Other	—	1,204	—	445	—	—	5	1,109
Total	—	7,264	—	3,991	—	517	132	17,414

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, November 2024
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	136	61	0	818	818	—	27	27
Australia	0	2	—	42	953	30	1	32
Bahamas	2	2	—	2,214	2,214	0	74	74
Bahrain	—	0	—	1	1	—	0	0
Belgium	—	231	1	3,779	3,779	—	126	126
Belize	—	1	—	174	174	—	6	6
Brazil	92	266	1	6,970	8,464	50	232	282
Canada	98	211	4	16,146	29,999	462	538	1,000
Cayman Islands	1	1	—	72	72	—	2	2
Chile	42	44	—	4,910	4,910	—	164	164
China	16	6	1	20,210	26,060	195	674	869
Colombia	0	116	1	3,033	3,581	18	101	119
Costa Rica	83	15	—	1,816	1,816	—	61	61
Denmark	—	0	—	0	1,432	48	0	48
Dominican Republic	0	14	0	3,042	4,140	37	101	138
Ecuador	1	148	—	6,662	6,662	—	222	222
Egypt	—	1	—	3,007	3,007	—	100	100
El Salvador	—	5	—	1,783	1,783	—	59	59
Finland	—	0	—	1	1	—	0	0
France	—	77	—	2,918	7,615	157	97	254
Germany	1	5	—	337	3,793	115	11	126
Ghana	—	0	—	55	55	—	2	2
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	0	—	832	832	—	28	28
Guatemala	—	15	—	4,221	4,221	—	141	141
Honduras	—	9	—	2,595	2,595	—	87	87
Hong Kong	0	2	0	3	3	—	0	0
India	0	129	0	7,874	16,091	274	262	536
Indonesia	—	1	—	3,300	3,300	—	110	110
Ireland	—	0	—	0	1,303	43	0	43
Israel	—	4	—	294	294	—	10	10
Italy	—	1	1	638	3,840	107	21	128
Jamaica	—	6	0	631	631	—	21	21
Japan	0	5	5	19,921	22,070	72	664	736
Korea, South	0	19	0	5,991	20,335	478	200	678
Lebanon	—	0	—	0	0	—	0	0
Mexico	205	1,701	14	38,131	38,131	—	1,271	1,271
Montenegro	0	—	—	0	0	—	0	0
Morocco	—	0	—	3,275	3,275	—	109	109
Mozambique	—	—	—	55	55	—	2	2
Netherlands	0	2	0	10,682	38,927	941	356	1,298
New Zealand	—	1	0	1	1	—	0	0
Nicaragua	—	8	—	324	324	—	11	11
Nigeria	—	321	—	1,404	1,404	—	47	47
Norway	—	0	—	2,505	2,505	—	83	83
Pakistan	—	29	—	29	29	—	1	1
Panama	—	23	—	3,475	5,932	82	116	198
Peru	0	99	0	4,312	5,865	52	144	195
Philippines	—	0	0	415	415	—	14	14
Portugal	—	0	—	232	1,277	35	8	43
Puerto Rico	0	8	—	768	768	—	26	26
Romania	—	1	—	1	1	—	0	0
Saudi Arabia	—	35	—	35	35	—	1	1
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	34	0	2,895	7,653	159	97	255
South Africa	0	37	0	1,282	1,282	—	43	43
Spain	—	1	—	2,537	7,190	155	85	240
Switzerland	—	—	—	735	1,442	24	25	48
Taiwan	—	2	0	29	8,859	294	1	295
Thailand	—	3	0	291	3,432	105	10	114
Trinidad and Tobago	—	4	0	1,126	1,126	—	38	38
Türkiye	—	3	—	1,879	1,879	—	63	63
United Arab Emirates	0	37	0	110	110	—	4	4
United Kingdom	—	1	—	3,686	14,555	362	123	485
Venezuela	—	11	—	1,546	1,546	—	52	52
Other	5	52	14	11,079	12,293	39	366	407
Total	682	3,810	42	217,129	347,155	4,334	7,238	11,572

— = 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-November 2024
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	5	—	1,059	—	1,127	1,127	—	—	—
Australia	5,445	2,886	—	24	—	3	3	0	1	1
Bahamas	0	535	—	577	—	3,512	3,512	31	4,660	4,691
Bahrain	—	0	—	0	—	0	0	—	—	—
Belgium	49	18,877	—	4,107	—	317	317	—	0	0
Belize	—	337	—	—	—	609	609	—	—	—
Brazil	17,591	15,758	—	14,374	—	1,286	1,286	—	0	0
Canada	122,382	72,367	—	23,759	—	3,977	3,977	—	7,454	7,454
Cayman Islands	—	55	—	—	—	182	182	—	0	0
Chile	—	13,058	—	66	—	4,886	4,886	—	3	3
China	77,232	186,153	—	1,681	—	1	1	0	5	5
Colombia	8,832	1,316	—	8,831	—	13,138	13,138	0	0	1
Costa Rica	8	2,237	—	85	—	6,795	6,795	—	0	0
Denmark	16,828	—	—	—	—	—	—	—	—	—
Dominican Republic	8,493	14,468	—	33	—	6,416	6,416	—	9	9
Ecuador	—	14,880	—	928	—	6,121	6,121	2	895	897
Egypt	—	21,948	—	0	—	—	—	—	—	—
El Salvador	—	3,396	—	3	—	6,975	6,975	—	0	0
Finland	5,136	5,280	—	1	—	—	—	—	—	—
France	50,570	12,039	—	1,774	—	1	1	—	—	—
Germany	43,583	207	—	377	—	0	0	—	0	0
Ghana	—	3,818	—	0	—	—	—	—	—	—
Gibraltar	—	1,158	—	—	—	—	—	—	—	—
Greece	0	2,432	—	—	—	0	0	—	—	—
Guatemala	—	4,633	—	36	—	15,711	15,711	0	0	0
Honduras	—	6,160	—	5	—	7,728	7,728	—	0	0
Hong Kong	—	1	—	0	—	—	—	—	—	—
India	76,311	21,701	—	24	—	0	0	—	3	3
Indonesia	630	36,201	—	2	—	—	—	—	—	—
Ireland	9,247	0	—	—	—	—	—	—	—	—
Israel	1	1	—	0	—	0	0	—	0	0
Italy	42,986	1,103	—	68	—	—	—	—	—	—
Jamaica	0	671	—	1	—	1,284	1,284	0	60	60
Japan	8,893	185,183	—	5,948	—	2	2	4	0	5
Korea, South	163,367	65,097	—	2,220	—	10	10	2	60	62
Lebanon	—	0	—	—	—	—	—	—	0	0
Mexico	—	66,298	—	9,734	—	152,062	152,062	32	9,175	9,207
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	25,979	—	—	—	—	—	—	—	—
Mozambique	—	—	—	0	—	—	—	—	—	—
Netherlands	270,353	29,585	—	11,389	—	1,640	1,640	1	0	1
New Zealand	0	0	—	0	—	0	0	—	—	—
Nicaragua	4,467	0	—	—	—	2,665	2,665	—	—	—
Nigeria	14,965	4,731	—	0	—	3,307	3,307	—	0	0
Norway	2,599	16,485	—	514	—	—	—	—	0	0
Pakistan	—	—	—	1	—	0	0	—	—	—
Panama	17,290	3,666	—	2	—	8,206	8,206	—	2	2
Peru	6,514	5,111	—	52	—	4,764	4,764	0	0	0
Philippines	—	223	—	1	—	—	—	—	1	1
Portugal	9,262	2,906	—	—	—	—	—	—	—	—
Puerto Rico	—	14	—	8	—	793	793	0	2	3
Romania	—	—	—	0	—	—	—	—	—	—
Saudi Arabia	0	0	—	327	—	2	2	—	0	0
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	88,648	14,412	—	1,358	—	1	1	—	74	74
South Africa	3,997	5,733	—	17	—	321	321	—	—	—
Spain	65,920	9,941	—	108	—	—	—	—	—	—
Switzerland	706	938	—	1	—	—	—	—	0	0
Taiwan	73,295	4,192	—	338	—	3	3	0	—	0
Thailand	32,733	0	—	18	—	—	—	—	0	0
Trinidad and Tobago	—	2	—	3	—	1,480	1,480	—	1	1
Turkiye	1,847	11,490	—	39	—	2	2	—	0	0
United Arab Emirates	0	0	—	3	—	5	5	0	—	0
United Kingdom	100,808	8,871	—	3,052	—	42	42	0	2	2
Venezuela	—	1	—	14,613	—	2,298	2,298	0	1	1
Other	33,673	43,282	—	1,332	—	5,813	5,813	3	307	307
Total	1,384,661	967,821	—	108,893	—	263,485	263,485	75	22,715	22,790

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-November 2024
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	0	0	NA	NA	6,376	65	328	—	6,768	—	—
Australia	38	—	NA	NA	1	—	—	—	1	0	—
Bahamas	0	0	NA	NA	3,144	499	1,211	—	4,854	1	—
Bahrain	1	—	NA	NA	—	—	—	—	—	0	—
Belgium	18	0	NA	NA	12,680	298	572	—	13,551	—	—
Belize	—	—	NA	NA	17	466	35	—	518	—	—
Brazil	475	—	NA	NA	12,001	—	588	—	12,589	333	—
Canada	14,718	3,812	NA	NA	201	1,957	452	—	2,609	463	—
Cayman Islands	0	—	NA	NA	876	—	—	—	876	—	—
Chile	1	0	NA	NA	35,975	—	320	—	36,295	0	—
China	4	0	NA	NA	11	—	—	—	11	0	—
Colombia	2,926	—	NA	NA	9,064	50	284	—	9,398	0	—
Costa Rica	4	—	NA	NA	8,616	0	—	—	8,616	2	—
Denmark	—	—	NA	NA	1,092	—	—	—	1,092	—	—
Dominican Republic	9	0	NA	NA	4,556	491	1,242	—	6,290	1	—
Ecuador	0	—	NA	NA	22,167	1,130	285	—	23,582	—	—
Egypt	1	—	NA	NA	364	—	560	—	924	0	—
El Salvador	0	—	NA	NA	1,054	3,681	—	—	4,735	1	—
Finland	0	—	NA	NA	330	—	—	—	330	—	—
France	121	—	NA	NA	10,158	—	426	—	10,584	—	—
Germany	0	15	NA	NA	3,326	—	0	—	3,326	—	—
Ghana	69	—	NA	NA	0	—	—	—	0	0	—
Gibraltar	—	—	NA	NA	1,713	—	401	—	2,114	—	—
Greece	0	—	NA	NA	616	—	—	—	616	0	—
Guatemala	0	—	NA	NA	4,662	8,976	—	—	13,638	1	—
Honduras	—	—	NA	NA	2,376	6,361	25	—	8,762	1	—
Hong Kong	0	0	NA	NA	0	—	—	—	0	0	—
India	4,125	—	NA	NA	4,670	0	1,518	—	6,189	0	—
Indonesia	0	3	NA	NA	8	—	—	—	8	—	—
Ireland	0	0	NA	NA	—	—	—	—	—	—	—
Israel	9	—	NA	NA	0	—	—	—	0	0	—
Italy	20	—	NA	NA	9	—	—	—	9	—	—
Jamaica	443	—	NA	NA	1,041	—	196	—	1,237	0	—
Japan	43	—	NA	NA	3	—	—	—	3	0	—
Korea, South	1,896	—	NA	NA	48	—	—	—	48	0	—
Lebanon	—	—	NA	NA	2	—	—	—	2	—	—
Mexico	1,730	0	NA	NA	89,398	239	549	—	90,186	96	—
Montenegro	—	—	NA	NA	—	—	—	—	—	—	—
Morocco	0	—	NA	NA	3,679	0	—	—	3,679	—	—
Mozambique	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands	2,655	—	NA	NA	33,341	903	1,078	—	35,323	—	—
New Zealand	—	0	NA	NA	0	—	—	—	0	—	—
Nicaragua	0	—	NA	NA	534	2,120	101	—	2,754	41	—
Nigeria	544	—	NA	NA	0	—	—	—	0	—	—
Norway	1	2	NA	NA	3,072	—	247	—	3,319	—	—
Pakistan	—	—	NA	NA	2	—	—	—	2	—	—
Panama	1	0	NA	NA	12,710	955	533	—	14,198	1	—
Peru	1,111	418	NA	NA	24,398	—	0	—	24,398	—	—
Philippines	1,413	—	NA	NA	0	—	—	—	0	0	—
Portugal	—	—	NA	NA	—	—	19	—	19	—	—
Puerto Rico	66	—	NA	NA	1,621	3	100	—	1,724	0	—
Romania	—	—	NA	NA	321	—	—	—	321	—	—
Saudi Arabia	163	0	NA	NA	20	—	—	—	20	0	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore	1,074	10	NA	NA	4,455	50	2,774	—	7,279	1	—
South Africa	0	—	NA	NA	172	—	—	—	172	—	—
Spain	339	—	NA	NA	1,468	—	—	—	1,468	—	—
Switzerland	141	—	NA	NA	985	—	—	—	985	—	—
Taiwan	10	—	NA	NA	1	—	—	—	1	327	—
Thailand	0	—	NA	NA	682	—	809	—	1,491	—	—
Trinidad and Tobago	0	—	NA	NA	4,200	102	1,391	—	5,692	—	—
Turkiye	16	—	NA	NA	10	—	—	—	10	0	—
United Arab Emirates	94	—	NA	NA	316	—	—	—	316	1	—
United Kingdom	5,162	—	NA	NA	25,977	—	—	—	25,977	222	—
Venezuela	1	—	NA	NA	7	—	—	—	7	—	—
Other	1,725	2	NA	NA	25,495	916	4,055	—	30,467	4	—
Total	41,167	4,262	NA	NA	380,021	29,262	20,099	—	429,383	1,496	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-November 2024
(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	—	154	—	199	—	—	4	0
Australia	—	0	—	0	—	—	5	1,872
Bahamas	—	517	—	9,216	—	—	0	—
Bahrain	—	—	—	—	—	—	0	—
Belgium	—	0	—	553	—	—	0	1,709
Belize	—	191	—	0	—	—	—	—
Brazil	—	1,236	—	277	—	—	11	17,714
Canada	—	10,578	—	3,626	—	4	1,034	4,941
Cayman Islands	—	134	—	1	—	—	—	—
Chile	—	3,534	—	0	—	—	3	1
China	—	0	—	20	—	—	41	20,846
Colombia	—	329	—	1	—	—	3	91
Costa Rica	—	2,069	—	—	—	—	1	566
Denmark	—	0	—	141	—	—	0	296
Dominican Republic	—	2,768	—	397	—	—	1	1,941
Ecuador	—	45	—	0	—	—	0	1,438
Egypt	—	—	—	757	—	173	—	1,973
El Salvador	—	1,306	—	—	—	—	0	475
Finland	—	—	—	—	—	—	—	—
France	—	1,269	—	—	—	—	2	699
Germany	—	—	—	183	—	—	18	29
Ghana	—	—	—	—	—	—	0	—
Gibraltar	—	—	—	2,783	—	—	—	—
Greece	—	—	—	—	—	—	—	2,245
Guatemala	—	969	—	289	—	—	2	4,433
Honduras	—	560	—	663	—	—	0	2,639
Hong Kong	—	0	—	—	—	—	2	—
India	—	0	—	345	—	1,218	31	39,071
Indonesia	—	0	—	0	—	—	2	304
Ireland	—	—	—	—	—	—	—	495
Israel	—	1,567	—	—	—	—	0	865
Italy	—	0	—	245	—	222	2	5,476
Jamaica	—	1,323	—	1,167	—	—	0	—
Japan	—	0	—	2	—	—	7	14,623
Korea, South	—	73	—	2,177	—	0	3	1,667
Lebanon	—	0	—	—	—	—	0	117
Mexico	—	20,907	—	3,477	—	258	131	11,666
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	101	—	359	—	—	—	4,611
Mozambique	—	—	—	—	—	—	—	785
Netherlands	—	1,514	—	5,966	—	—	36	4,678
New Zealand	—	—	—	—	—	—	0	462
Nicaragua	—	0	—	208	—	—	0	182
Nigeria	—	—	—	308	—	—	0	0
Norway	—	—	—	—	—	—	0	906
Pakistan	—	—	—	—	—	—	0	301
Panama	—	6,324	—	5,857	—	156	0	182
Peru	—	2,099	—	70	—	192	1	—
Philippines	—	—	—	0	—	—	1	1,206
Portugal	—	—	—	533	—	—	0	735
Puerto Rico	—	449	—	—	—	—	0	0
Romania	—	—	—	—	—	—	0	165
Saudi Arabia	—	0	—	9	—	—	1	214
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	95	—	5,020	—	2,083	1	575
South Africa	—	—	—	150	—	63	5	763
Spain	—	220	—	247	—	—	6	4,865
Switzerland	—	0	—	330	—	—	0	220
Taiwan	—	0	—	0	—	—	1	0
Thailand	—	—	—	194	—	775	2	1,555
Trinidad and Tobago	—	1,645	—	0	—	—	0	2
Türkiye	—	0	—	—	—	—	0	16,317
United Arab Emirates	—	1	—	1	—	—	1	1,267
United Kingdom	—	648	—	332	—	—	4	3,732
Venezuela	—	3	—	—	—	—	0	77
Other	—	6,327	—	2,582	—	2	20	11,465
Total	—	68,955	—	48,685	—	5,146	1,382	193,457

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-November 2024
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	210	473	50	10,051	10,051	—	30	30
Australia	157	35	0	5,024	10,469	16	15	31
Bahamas	25	33	3	23,964	23,965	0	72	72
Bahrain	0	1	—	3	3	—	0	0
Belgium	2	3,456	10	42,599	42,649	0	127	127
Belize	0	10	—	1,665	1,665	—	5	5
Brazil	580	3,910	8	68,554	86,145	53	205	257
Canada	1,629	3,239	54	154,263	276,645	365	460	826
Cayman Islands	8	11	—	1,267	1,267	—	4	4
Chile	509	772	0	59,128	59,128	—	177	177
China	202	102	6	209,071	286,303	231	624	855
Colombia	1	1,040	32	37,109	45,940	26	111	137
Costa Rica	295	159	0	20,830	20,838	0	62	62
Denmark	—	1	—	1,529	18,358	50	5	55
Dominican Republic	372	244	1	32,951	41,444	25	98	124
Ecuador	4	816	26	48,737	48,737	—	145	145
Egypt	—	126	—	25,902	25,902	—	77	77
El Salvador	0	248	0	17,139	17,139	—	51	51
Finland	0	3	—	5,613	10,749	15	17	32
France	—	558	0	27,048	77,618	151	81	232
Germany	57	20	1	4,233	47,817	130	13	143
Ghana	—	3	0	3,890	3,890	—	12	12
Gibraltar	—	—	—	6,055	6,055	—	18	18
Greece	—	4	—	5,298	5,298	0	16	16
Guatemala	0	180	17	39,910	39,910	—	119	119
Honduras	121	133	0	26,773	26,773	—	80	80
Hong Kong	1	11	2	17	17	—	0	0
India	4	720	5	73,436	149,748	228	219	447
Indonesia	7	13	0	36,542	37,172	2	109	111
Ireland	—	0	1	496	9,743	28	1	29
Israel	—	459	0	2,903	2,903	0	9	9
Italy	—	6	1	7,154	50,140	128	21	150
Jamaica	47	58	1	6,291	6,291	0	19	19
Japan	6	110	45	205,978	214,870	27	615	641
Korea, South	1	157	4	73,416	236,782	488	219	707
Lebanon	—	4	—	122	122	—	0	0
Mexico	1,821	17,939	177	385,688	385,688	—	1,151	1,151
Montenegro	0	—	—	0	0	—	0	0
Morocco	—	111	—	34,841	34,841	—	104	104
Mozambique	—	—	—	786	786	—	2	2
Netherlands	4	361	4	93,156	363,509	807	278	1,085
New Zealand	374	6	0	844	844	0	3	3
Nicaragua	—	43	—	5,894	10,360	13	18	31
Nigeria	1	919	—	9,809	24,775	45	29	74
Norway	0	2	0	21,229	23,829	8	63	71
Pakistan	0	176	—	481	481	—	1	1
Panama	130	212	15	38,952	56,242	52	116	168
Peru	0	904	15	39,136	45,650	19	117	136
Philippines	—	9	2	2,854	2,854	—	9	9
Portugal	—	0	—	4,193	13,455	28	13	40
Puerto Rico	5	153	0	3,215	3,215	—	10	10
Romania	—	3	—	489	489	—	1	1
Saudi Arabia	—	196	0	934	934	0	3	3
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	0	815	0	32,796	121,444	265	98	363
South Africa	1	564	0	7,788	11,785	12	23	35
Spain	5	8	0	17,207	83,127	197	51	248
Switzerland	71	0	0	2,686	3,392	2	8	10
Taiwan	1	24	1	4,898	78,194	219	15	233
Thailand	4	50	2	4,090	36,823	98	12	110
Trinidad and Tobago	0	75	0	8,902	8,902	—	27	27
Türkiye	2	417	—	28,295	30,142	6	84	90
United Arab Emirates	6	633	0	2,327	2,327	0	7	7
United Kingdom	354	732	0	49,129	149,936	301	147	448
Venezuela	—	86	0	17,086	17,086	—	51	51
Other	473	835	30	104,647	138,318	98	312	411
Total	7,490	42,388	513	2,207,313	3,591,974	4,133	6,589	10,722

— = 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, November 2024
(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		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	980	-14	-	133	-	-36	-36	-	-	-
Algeria	33	-	-	46	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	2	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	224	-	-	60	-	-	-	-	-	-
Kuwait	20	-	-	16	-	0	0	-	-	-
Libya	68	-	-	-	-	-	-	-	-	-
Nigeria	97	-16	-	0	-	-15	-15	-	-	-
Saudi Arabia	236	-	-	33	-	-	-	-	-	-
United Arab Emirates	69	-	-	9	-	-	-	-	-	-
Venezuela	233	-	-	-31	-	-21	-21	-	-	-
Non-OPEC	1,263	-3,085	17	13	-	-795	-795	150	155	305
Angola	75	-	-	-	-	-	-	-	11	11
Argentina	74	0	-	0	-	-	-	-	15	15
Aruba	-	0	-	-	-	-2	-2	-	-	-
Australia	-30	0	-	0	-	0	0	-	0	0
Bahamas	0	-1	-	-	-	35	35	10	-26	-16
Bahrain	-	-	-	-	-	0	0	-	-	-
Belgium	-	-98	-	13	-	-	-	-	-	-
Brazil	259	-16	-	-13	-	11	11	-	11	11
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	3,502	-157	17	-30	-	6	6	76	45	120
Chad	-	-	-	-	-	-	-	-	-	-
China	-195	-624	-	0	-	-	-	-	3	3
Colombia	246	-6	-	5	-	-34	-34	-	0	0
Denmark	-48	-	-	-	-	-	-	-	-	-
Dominican Republic	-37	-50	-	0	-	-20	-20	-	0	0
Ecuador	168	-69	-	6	-	-24	-24	-	-20	-20
Estonia	-	0	-	-	-	-	-	-	-	-
Finland	-	0	-	0	-	-	-	0	-	0
France	-157	-59	-	-1	-	-	-	0	9	9
Germany	-115	0	-	2	-	-	-	-	1	1
Guatemala	-	-18	-	0	-	-52	-52	-	0	0
Honduras	-	-21	-	-	-	-23	-23	-	-	-
India	-274	-71	-	29	-	-	-	0	59	60
Indonesia	-	-110	-	0	-	-	-	-	-	-
Italy	-107	-14	-	0	-	0	0	-	0	0
Japan	-72	-607	-	-19	-	0	0	0	0	0
Korea, South	-478	-183	-	0	-	12	12	-	-1	-1
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-12	-17	-	0	-	-	-	-	-	-
Mexico	453	-209	-	70	-	-557	-557	-	-20	-20
Netherlands	-941	-91	-	-30	-	11	11	48	24	72
Norway	-	-71	-	-	-	-	-	-	7	7
Oman	-	-	-	-	-	-	-	-	-	-
Panama	-82	-13	-	-	-	-20	-20	-	-	-
Portugal	-35	-	-	-	-	-	-	-	19	19
Puerto Rico	-	0	-	0	-	-19	-19	-	0	0
Qatar	-	0	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-155	-52	-	-	-	-	-	-	11	11
Sweden	-29	-62	-	-	-	-	-	1	-	1
Trinidad and Tobago	66	0	-	0	-	-16	-16	-	-	-
United Kingdom	-309	-33	-	-19	-	-	-	3	4	7
Vietnam	-	-18	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-6	-	-	-	-2	-2	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-504	-409	0	0	-	-101	-101	12	3	15
Total	2,243	-3,099	17	145	-	-831	-831	150	155	305
Persian Gulf⁵	549	0	-	117	-	0	0	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, November 2024
(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	-5	-	-	-	0	-	-	-	0	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	0	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	0	-	-	-	0	-	-	-	0	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-5	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	0	-	-	-	-	-	-	-	-	-	-
Venezuela	0	-	-	-	0	-	-	-	0	-	-
Non-OPEC	-144	13	23	-	-1,132	-76	-60	-	-1,268	-3	1
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	0	-	-	-	-16	-	-	-	-16	-	-
Aruba	-	-	-	-	-1	-	-	-	-1	0	-
Australia	-1	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-20	-	-	-	-20	-	-
Bahrain	0	-	-	-	-	-	-	-	-	0	-
Belgium	0	-	-	-	-21	-	-	-	-21	-	-
Brazil	0	-	-	-	-76	-	-5	-	-81	-2	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-45	6	0	-	119	-7	2	-	114	-1	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	-	-	-	0	-	-	-	0	-	-
Colombia	-10	-	-	-	-36	-	-	-	-36	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	0	0	-	-	-12	-6	-6	-	-24	0	-
Ecuador	-	-	-	-	-95	-9	-	-	-105	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	2	-	-	-	-	-	-	-	-
France	0	-	-	-	-22	-	-	-	-22	-	-
Germany	0	4	-	-	-10	-	-	-	-10	-	-
Guatemala	-	-	-	-	-23	-24	-	-	-47	0	-
Honduras	-	-	-	-	-25	-7	-	-	-31	0	-
India	-19	-	-	-	-15	0	-10	-	-25	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	-	-	-	-	-	-	-
Korea, South	-5	-	-	-	2	-	-	-	2	0	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	0	-
Mexico	-6	-	-	-	-266	-1	-2	-	-269	0	-
Netherlands	-13	-	-	-	-146	0	-3	-	-150	-	1
Norway	-	0	-	-	-	-	-8	-	-8	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Panama	0	-	-	-	-37	-	-4	-	-41	0	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	-	-6	-	-	-	-6	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-4	4	-	-	-	-	-	-	-	-	-
Sweden	-1	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-4	-	-10	-	-14	-	-
United Kingdom	-15	-	-	-	-54	-	-	-	-54	-	-
Vietnam	-4	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-23	-	-7	-	-30	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-21	-1	21	-	-345	-22	-7	-	-373	0	0
Total	-149	13	23	-	-1,132	-76	-60	-	-1,268	-3	1
Persian Gulf⁵	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, November 2024
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha ²	Other Oils		
OPEC	-	9	-	0	-	-	0	-2
Algeria	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	-	-	-
Kuwait	-	0	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	9	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	0	-
United Arab Emirates	-	-	-	0	-	-	0	-2
Venezuela	-	-	-	-	-	-	-	-
Non-OPEC	-	-158	5	-22	7	-14	-2	-577
Angola	-	-	-	-	-	-	-	-
Argentina	-	-	-	-4	-	0	0	-
Aruba	-	-2	-	-	-	-	0	-
Australia	-	-	-	-	-	-	0	0
Bahamas	-	0	-	-	-	-	0	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	0
Brazil	-	-14	1	0	-	-	0	-70
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-2
Canada	-	-4	3	18	5	3	-1	-10
Chad	-	-	-	0	-	-	-	-
China	-	-	-	0	-	-	0	-48
Colombia	-	0	-	16	-	-	0	0
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	-	-5	-	-3	-	-	0	-
Ecuador	-	-	-	-	-	-	-	-
Estonia	-	-	-	0	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-11	1	-	-	-	0	-2
Germany	-	-	-	0	1	-	0	-
Guatemala	-	-3	-	-7	-	-	0	-12
Honduras	-	-2	-	-9	-	-	0	-
India	-	-	-	4	-	-4	0	-140
Indonesia	-	-	-	-	-	-	0	-
Italy	-	-	-	-	0	-	0	-7
Japan	-	0	-	0	-	-	0	-38
Korea, South	-	65	-	-	-	-	0	-9
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	0	-	-	-	-
Malaysia	-	-	-	-4	-	-	0	-
Mexico	-	-70	-	60	-	-	0	-38
Netherlands	-	-16	-	-33	-	-	0	-23
Norway	-	-	-	-	-	-	-	-4
Oman	-	-	-	-	-	-	-	-13
Panama	-	-15	-	-26	-	-	-	-
Portugal	-	-	-	-	-	-	0	-8
Puerto Rico	-	0	-	-	-	-	0	-
Qatar	-	0	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-
Spain	-	-	-	-8	-	-	0	-20
Sweden	-	-	-	-	-	-	0	-
Trinidad and Tobago	-	-7	-	-	-	-	-	-
United Kingdom	-	0	-	0	-	-	0	-1
Vietnam	-	-	-	-	-	-	0	-
Virgin Islands, U.S.	-	-16	-	-11	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-	-58	0	-15	1	-13	-1	-132
Total	-	-148	5	-22	7	-14	-2	-579
Persian Gulf⁵	-	0	-	0	-	-	0	-2

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, November 2024
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products ⁴	Total Crude Oil and Products ⁴
OPEC	3	-9	0	79	1,059
Algeria	—	—	—	46	79
Congo (Brazzaville)	—	—	—	—	0
Equatorial Guinea	—	0	—	2	2
Gabon	—	0	—	0	0
Iran	—	—	—	—	—
Iraq	—	0	—	60	283
Kuwait	—	0	—	16	36
Libya	—	0	—	0	67
Nigeria	—	-11	—	-37	60
Saudi Arabia	—	-1	—	32	268
United Arab Emirates	0	4	0	10	79
Venezuela	3	0	—	-49	185
Non-OPEC	26	-61	-1	-5,721	-4,457
Angola	—	0	—	11	86
Argentina	-5	-2	0	-11	63
Aruba	—	0	—	-4	-4
Australia	0	0	—	-1	-32
Bahamas	0	0	—	-2	-2
Bahrain	—	0	—	0	0
Belgium	—	-8	0	-113	-113
Brazil	-3	-9	0	-186	74
Brunei	—	—	—	—	—
Cameroon	—	—	—	-2	-2
Canada	43	0	0	86	3,588
Chad	—	—	—	0	0
China	-1	0	0	-671	-866
Colombia	0	-4	0	-69	177
Denmark	—	0	—	0	-48
Dominican Republic	0	0	0	-101	-138
Ecuador	0	-5	—	-216	-48
Estonia	—	—	—	0	0
Finland	—	0	—	2	2
France	—	-2	—	-87	-243
Germany	0	1	—	-2	-117
Guatemala	—	0	—	-141	-141
Honduras	—	0	—	-87	-87
India	0	-4	0	-170	-444
Indonesia	—	0	—	-110	-110
Italy	—	0	0	-20	-127
Japan	0	0	0	-664	-736
Korea, South	0	20	0	-100	-578
Latvia	—	0	—	0	0
Lithuania	—	—	—	0	0
Malaysia	0	0	—	-21	-33
Mexico	-7	-57	0	-1,104	-651
Netherlands	2	0	0	-270	-1,211
Norway	—	0	—	-77	-77
Oman	—	0	—	-13	-13
Panama	—	-1	—	-116	-198
Portugal	—	0	—	11	-24
Puerto Rico	0	0	—	-26	-26
Qatar	—	22	—	22	22
Russia	—	—	—	—	—
Spain	—	0	—	-69	-224
Sweden	—	0	0	-63	-92
Trinidad and Tobago	—	0	0	-38	28
United Kingdom	—	0	—	-116	-425
Vietnam	—	0	0	-22	-22
Virgin Islands, U.S.	—	0	—	-65	-65
Yemen	—	—	—	—	—
Other	-3	-12	-1	-1,096	-1,600
Total	29	-70	-1	-5,641	-3,398
Persian Gulf⁵	0	25	0	140	688

-- = 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-November 2024
(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		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	969	-13	-	148	-	-16	-16	0	24	24
Algeria	18	0	-	46	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	1	-	-	-	-	-	-	-	-
Gabon	4	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	196	-	-	65	-	0	0	-	-	-
Kuwait	21	0	-	26	-	0	0	-	0	0
Libya	80	-	-	0	-	-	-	-	-	-
Nigeria	110	-14	-	11	-	-10	-10	-	0	0
Saudi Arabia	282	0	-	38	-	1	1	-	21	21
United Arab Emirates	36	0	-	5	-	0	0	0	2	2
Venezuela	222	0	-	-44	-	-7	-7	0	0	0
Non-OPEC	1,488	-2,723	15	-12	-	-678	-678	148	315	463
Angola	51	1	-	0	-	0	0	-	6	6
Argentina	66	0	-	-2	-	-3	-3	-	6	6
Aruba	-	0	-	0	-	-2	-2	-	0	0
Australia	-16	-9	-	0	-	0	0	0	1	1
Bahamas	0	-2	-	0	-	-1	-1	3	2	5
Bahrain	-	0	-	0	-	0	0	-	-	-
Belgium	0	-56	-	-5	-	3	3	2	3	6
Brazil	166	-47	-	-16	-	-3	-3	-	30	30
Brunei	-	-	-	1	-	-	-	-	-	-
Cameroon	5	-	-	-	-	-	-	-	-	-
Canada	3,687	-67	15	-53	-	2	2	64	35	99
Chad	3	-	-	-	-	-	-	-	-	-
China	-231	-556	-	-5	-	1	1	0	8	8
Colombia	188	-4	-	0	-	-39	-39	0	1	1
Denmark	-50	-	-	2	-	-	-	-	-	-
Dominican Republic	-25	-43	-	0	-	-19	-19	-	0	0
Ecuador	131	-44	-	-1	-	-18	-18	0	-3	-3
Estonia	-	0	-	-	-	-	-	-	-	-
Finland	-15	-16	-	0	-	1	1	1	1	2
France	-151	-36	-	1	-	2	2	0	12	12
Germany	-130	-1	-	2	-	0	0	1	1	2
Guatemala	2	-14	-	0	-	-47	-47	0	0	0
Honduras	-	-18	-	0	-	-23	-23	-	0	0
India	-228	-65	-	7	-	1	1	0	62	62
Indonesia	-2	-108	-	0	-	-	-	-	-	-
Italy	-128	-3	-	1	-	1	1	-	15	15
Japan	-27	-553	-	-17	-	0	0	0	7	7
Korea, South	-488	-194	-	-7	-	12	12	0	30	30
Latvia	-	-	-	0	-	-	-	-	-	-
Lithuania	-	-	-	-	-	0	0	-	4	4
Malaysia	-29	-3	-	-2	-	0	0	-	0	0
Mexico	465	-198	-	81	-	-454	-454	0	-27	-27
Netherlands	-807	-88	-	-25	-	18	18	40	25	65
Norway	4	-49	-	-2	-	13	13	3	10	13
Oman	-	-	-	1	-	-	-	-	1	1
Panama	-52	-11	-	0	-	-24	-24	-	0	0
Portugal	-28	-9	-	1	-	0	0	1	27	28
Puerto Rico	-	0	-	0	-	-2	-2	0	0	0
Qatar	-	0	-	0	-	0	0	-	-	-
Russia	-	-	-	0	-	-	-	-	-	-
Spain	-197	-30	-	9	-	1	1	1	11	12
Sweden	-52	-45	-	1	-	3	3	1	5	6
Trinidad and Tobago	44	0	-	0	-	-4	-4	-	0	0
United Kingdom	-237	-26	-	-4	-	3	3	29	9	38
Vietnam	-	-7	-	0	-	0	0	-	-	-
Virgin Islands, U.S.	-1	-5	-	-1	-	-7	-7	-	-1	-1
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-430	-417	0	21	-	-93	-93	2	34	35
Total	2,458	-2,736	15	136	-	-693	-693	148	339	487
Persian Gulf⁵	536	0	-	134	-	1	1	0	23	23

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-November 2024
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-2	0	-	-	-1	-	-	0	-1	0	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	0	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	0	-	-	-	0	-	-
Kuwait	0	-	-	-	0	-	-	-	0	-	-
Libya	-	-	-	-	0	-	-	-	0	-	-
Nigeria	-2	-	-	-	0	-	-	-	0	-	-
Saudi Arabia	0	0	-	-	0	-	-	-	0	0	-
United Arab Emirates	0	-	-	-	-1	-	-	-	-1	0	-
Venezuela	0	-	-	-	0	-	-	0	0	-	-
Non-OPEC	-120	15	34	-	-995	-87	-58	1	-1,139	-4	1
Angola	-	-	-	-	-	-	-	-	-	-	-
Argentina	0	0	-	-	-19	0	-1	-	-20	-	-
Aruba	0	-	-	-	-1	-	-	-	-1	0	-
Australia	0	-	-	-	0	-	-	-	0	0	-
Bahamas	0	0	-	-	-9	-1	-4	-	-14	0	-
Bahrain	0	-	-	-	-	-	-	-	-	0	-
Belgium	0	1	-	-	-38	-1	-2	-	-40	-	-
Brazil	-1	0	-	-	-36	0	-2	-	-37	-1	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	0	-	-	-	0	-	-
Canada	-44	-3	5	-	132	-6	0	0	127	-1	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	-	-	0	-	-	-	0	0	-
Colombia	-9	-	-	-	-26	0	-1	0	-26	0	-
Denmark	-	-	-	-	-3	-	-	-	-3	-	-
Dominican Republic	0	0	-	-	-14	-1	-4	-	-19	0	-
Ecuador	0	-	-	-	-66	-3	-1	-	-70	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	0	-	2	-	-1	-	-	-	-1	-	-
France	0	-	-	-	-30	-	-1	-	-32	-	-
Germany	0	8	-	-	-10	-	0	-	-10	-	-
Guatemala	0	-	-	-	-14	-27	-	-	-41	0	-
Honduras	-	-	-	-	-7	-19	0	-	-26	0	-
India	-12	-	-	-	-14	0	-5	-	-18	0	-
Indonesia	0	0	-	-	0	-	-	-	0	-	-
Italy	0	3	-	-	0	-	-	-	0	-	-
Japan	0	-	-	-	0	-	-	-	0	0	-
Korea, South	-6	1	-	-	3	-	-	-	3	0	0
Latvia	-1	-	-	-	-1	-	-	-	-1	-	-
Lithuania	-	-	-	-	-	-	-	-	-	0	-
Malaysia	0	0	-	-	-2	-	-	-	-2	0	-
Mexico	-5	0	-	-	-265	-1	-2	0	-267	0	-
Netherlands	-8	-	1	-	-100	-3	-3	-	-105	-	1
Norway	0	0	-	-	-9	-	-1	-	-10	-	-
Oman	-2	-	-	-	0	-	-	-	0	-	-
Panama	0	0	-	-	-38	-3	-2	-	-42	0	-
Portugal	-	-	-	-	-	-	0	-	0	-	-
Puerto Rico	0	-	-	-	-5	0	0	-	-5	0	-
Qatar	-	-	-	-	0	-	-	-	0	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-1	6	-	-	-4	-	-	-	-4	-	-
Sweden	-1	0	-	-	-2	-	-	-	-2	0	-
Trinidad and Tobago	0	-	-	-	-13	0	-4	-	-17	-	-
United Kingdom	-15	-	-	-	-78	-	-	-	-78	-1	-
Vietnam	-1	0	-	-	0	-	-	-	0	0	-
Virgin Islands, U.S.	0	-	-	-	-20	0	-5	-	-26	0	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-14	-1	26	-	-305	-22	-20	1	-352	-1	0
Total	-123	15	34	-	-996	-87	-58	1	-1,140	-4	1
Persian Gulf⁵	-1	0	-	-	-1	-	-	-	-1	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-November 2024
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha ²	Other Oils		
OPEC	-	6	0	11	-	-	0	-5
Algeria	-	-	-	4	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	0	-	-	-	-
Gabon	-	-	-	1	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	1	-	-	0	-
Kuwait	-	3	-	1	-	-	-	0
Libya	-	-	-	-	-	-	-	-
Nigeria	-	1	-	1	-	-	0	0
Saudi Arabia	-	2	0	1	-	-	0	-1
United Arab Emirates	-	0	-	0	-	-	0	-4
Venezuela	-	0	-	2	-	-	0	0
Non-OPEC	-	-102	14	-49	10	-12	0	-564
Angola	-	-	-	0	-	-	-	-
Argentina	-	0	-	0	-	0	0	1
Aruba	-	-2	-	-	-	-	0	-
Australia	-	0	-	0	-	-	0	-6
Bahamas	-	-2	-	-27	-	-	0	-
Bahrain	-	-	-	-	-	-	0	-
Belgium	-	0	0	-1	0	-	0	-5
Brazil	-	-4	1	0	-	0	0	-48
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-1
Canada	-	-21	2	8	3	2	0	-14
Chad	-	-	-	0	-	-	-	-
China	-	8	-	0	-	-	0	-62
Colombia	-	-1	-	10	-	-	0	1
Denmark	-	0	-	0	-	-	0	-1
Dominican Republic	-	-8	-	-1	-	-	0	-6
Ecuador	-	0	-	0	-	-	0	-4
Estonia	-	-	-	0	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-4	0	-	-	0	0	-2
Germany	-	-	-	0	0	-	0	0
Guatemala	-	-3	-	-1	-	-	0	-13
Honduras	-	-2	-	-2	-	-	0	-8
India	-	4	0	-1	-	-4	0	-117
Indonesia	-	0	-	0	-	-	0	-1
Italy	-	0	-	0	0	-1	0	-16
Japan	-	1	-	1	0	-	0	-44
Korea, South	-	76	8	-6	3	0	0	-5
Latvia	-	-	-	0	-	-	0	-
Lithuania	-	-	-	1	-	-	-	-
Malaysia	-	1	-	-3	-	-	0	-2
Mexico	-	-62	1	42	0	-1	0	-35
Netherlands	-	-5	1	-18	0	-	0	-14
Norway	-	-	-	-	-	-	0	-3
Oman	-	-	-	0	-	-	0	-4
Panama	-	-19	-	-17	-	0	0	-1
Portugal	-	-	-	-2	-	-	0	-2
Puerto Rico	-	-1	-	-	-	-	0	0
Qatar	-	0	-	-	-	-	0	-1
Russia	-	-	-	-	-	-	0	-
Spain	-	-1	-	0	0	-	0	-15
Sweden	-	-	-	0	-	-	0	0
Trinidad and Tobago	-	-5	-	0	-	-	0	0
United Kingdom	-	-2	-	1	0	-	0	-11
Vietnam	-	0	-	0	-	0	0	-1
Virgin Islands, U.S.	-	-10	-	-2	-	-	0	-
Yemen	-	-	-	-	-	-	-	-
Other	-	-40	1	-31	4	-8	0	-124
Total	-	-97	14	-38	10	-12	0	-569
Persian Gulf⁵	-	5	0	4	-	-	0	-5

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-November 2024
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products ⁴	Total Crude Oil and Products ⁴
OPEC	2	0	0	153	1,123
Algeria	—	0	—	50	68
Congo (Brazzaville)	—	—	—	—	0
Equatorial Guinea	—	0	—	1	1
Gabon	—	0	—	1	5
Iran	—	—	—	—	—
Iraq	0	0	—	66	262
Kuwait	—	0	—	30	51
Libya	0	0	—	0	80
Nigeria	0	-3	—	-15	95
Saudi Arabia	—	0	0	63	344
United Arab Emirates	0	4	0	6	42
Venezuela	2	0	0	-47	175
Non-OPEC	32	-81	-2	-4,903	-3,415
Angola	—	0	—	8	58
Argentina	-1	-1	0	-21	45
Aruba	0	0	—	-4	-4
Australia	0	0	0	-14	-31
Bahamas	0	0	0	-42	-42
Bahrain	0	2	—	2	2
Belgium	0	-10	0	-109	-109
Brazil	-2	-12	0	-139	26
Brunei	—	0	—	1	1
Cameroon	—	0	—	-1	4
Canada	46	-1	0	106	3,793
Chad	—	0	—	0	3
China	-1	0	0	-607	-837
Colombia	1	-3	0	-70	118
Denmark	—	0	—	-2	-52
Dominican Republic	-1	-1	0	-98	-124
Ecuador	0	-2	0	-143	-12
Estonia	—	0	—	0	0
Finland	0	0	—	-11	-27
France	—	-1	0	-60	-211
Germany	0	1	0	1	-129
Guatemala	0	-1	0	-119	-117
Honduras	0	0	0	-80	-80
India	0	-2	0	-144	-372
Indonesia	0	2	0	-107	-109
Italy	—	0	0	0	-128
Japan	0	0	0	-605	-632
Korea, South	0	10	0	-75	-562
Latvia	—	0	—	-2	-2
Lithuania	—	-1	0	5	5
Malaysia	0	0	0	-11	-40
Mexico	-5	-54	-1	-985	-520
Netherlands	1	-1	0	-177	-984
Norway	0	0	0	-37	-33
Oman	—	0	—	-4	-4
Panama	0	-1	0	-116	-168
Portugal	—	0	—	17	-11
Puerto Rico	0	0	0	-10	-10
Qatar	—	15	—	14	14
Russia	—	0	—	0	0
Spain	1	0	0	-21	-218
Sweden	—	0	0	-39	-91
Trinidad and Tobago	0	0	0	-26	18
United Kingdom	-1	-2	0	-97	-334
Vietnam	0	0	0	-8	-8
Virgin Islands, U.S.	0	0	0	-51	-52
Yemen	—	—	—	—	—
Other	-6	-18	-1	-1,022	-1,449
Total	34	-81	-2	-4,750	-2,292
Persian Gulf⁵	0	20	0	180	716

— = 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, November 2024
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	8,416	107,123	624,167	23,649	49,753	813,108
Refinery	6,641	12,903	45,386	2,367	21,078	88,375
Tank Farms and Pipelines (Includes Cushing, OK) ...	1,775	94,220	186,981	21,282	23,484	327,742
Cushing, Oklahoma	--	23,540	--	--	--	23,540
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	391,800	--	--	391,800
Alaskan In Transit	--	--	--	--	5,191	5,191
Total Stocks, All Oils (excluding Crude Oil)²	138,142	176,232	396,115	26,613	89,335	826,438
Refinery	11,048	46,729	114,947	10,392	44,428	227,544
Bulk Terminal	99,054	92,124	221,715	9,286	39,621	461,801
Pipeline	27,599	35,805	57,734	6,755	4,784	132,677
Natural Gas Processing Plant	441	1,574	1,719	180	502	4,416
Natural Gas Liquids	12,026	55,744	170,663	7,763	5,688	251,885
Refinery	413	3,760	5,411	314	1,794	11,692
Bulk Terminal	8,980	32,774	138,601	2,819	3,392	186,567
Pipeline	2,192	17,636	24,932	4,450	--	49,210
Natural Gas Processing Plant	441	1,574	1,719	180	502	4,416
Ethane	1,243	6,800	67,839	1,085	--	76,967
Refinery	--	--	19	--	--	19
Bulk Terminal	680	3,103	58,244	--	--	62,027
Pipeline	563	3,582	9,453	1,081	--	14,679
Natural Gas Processing Plant	--	115	123	4	--	242
Propane	8,509	26,330	52,576	3,016	2,261	92,692
Refinery	70	1,420	702	32	110	2,334
Bulk Terminal	6,900	20,058	44,409	1,289	2,048	74,704
Pipeline	1,390	4,045	7,365	1,627	--	14,427
Natural Gas Processing Plant	149	807	100	68	103	1,227
Propane, Fractionated and Ready for Sale	6,900	19,656	33,796	1,289	2,046	63,687
Bulk Terminal	6,900	19,656	33,796	1,289	2,046	63,687
Normal Butane	1,900	10,759	28,690	2,414	2,966	46,729
Refinery	219	1,644	3,442	168	1,311	6,784
Bulk Terminal	1,337	7,220	21,433	1,514	1,341	32,845
Pipeline	152	1,588	2,890	696	--	5,326
Natural Gas Processing Plant	192	307	925	36	314	1,774
Isobutane	188	2,365	9,426	446	412	12,837
Refinery	124	477	865	108	370	1,944
Bulk Terminal	--	938	7,003	--	--	7,941
Pipeline	44	831	1,410	321	--	2,606
Natural Gas Processing Plant	20	119	148	17	42	346
Natural Gasoline³	186	9,490	12,132	802	49	22,660
Refinery	--	219	383	6	3	611
Bulk Terminal	63	1,455	7,512	16	3	9,050
Pipeline	43	7,590	3,814	725	--	12,172
Natural Gas Processing Plant	80	226	423	55	43	827
Condensate and Scrubber Oil	--	6	10	13	--	29
Natural Gas Processing Plant	--	6	10	13	--	29
Refinery Olefins	193	439	1,208	129	16	1,985
Refinery	193	439	1,208	129	16	1,985
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Propylene	124	378	938	5	14	1,459
Refinery	124	378	938	5	14	1,459
Normal Butylene	55	61	255	124	2	497
Refinery	55	61	255	124	2	497
Isobutylene	14	0	15	0	0	29
Refinery	14	0	15	0	0	29
Other Hydrocarbons	--	14	--	--	--	14
Refinery	--	14	--	--	--	14
Biofuels (Including Fuel Ethanol)²	8,176	11,024	6,180	781	6,201	32,362
Refinery	309	118	1,265	114	468	2,274
Bulk Terminal	7,830	10,906	4,915	663	5,733	30,047
Pipeline	37	--	--	4	--	41
Fuel Ethanol	6,668	10,000	3,772	410	2,212	23,062
Refinery	300	98	1,191	111	175	1,875
Bulk Terminal	6,331	9,902	2,581	295	2,037	21,146
Pipeline	--	--	--	--	--	--
Biodiesel	1,312	893	520	6	577	3,309
Refinery	9	20	74	3	4	110
Bulk Terminal	1,303	873	446	3	573	3,199
Pipeline	--	--	--	--	--	--
Renewable Diesel Fuel	191	100	1,814	324	3,201	5,631
Refinery	--	--	--	--	289	289
Bulk Terminal	191	100	1,814	324	2,912	5,342
Pipeline	--	--	--	--	--	--
Other Biofuels⁴	5	31	74	41	210	361
Refinery	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, November 2024
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Bulk Terminal	5	31	74	41	210	361
Pipeline	--	--	--	--	--	--
Unfinished Oils	3,294	12,066	45,661	2,885	18,015	81,921
Naphthas and Lighter	768	3,101	11,151	697	3,125	18,842
Refinery	768	3,037	10,114	697	2,869	17,485
Bulk Terminal	--	64	1,037	--	256	1,357
Kerosene and Light Gas Oils	386	2,271	7,761	675	3,022	14,115
Refinery	386	2,271	6,827	675	2,926	13,085
Bulk Terminal	--	--	934	--	96	1,030
Heavy Gas Oils	1,685	4,434	20,188	1,058	9,028	36,393
Refinery	1,632	4,417	18,228	1,058	8,143	33,478
Bulk Terminal	53	17	1,960	--	885	2,915
Residuum	455	2,260	6,561	455	2,840	12,571
Refinery	455	2,260	6,288	455	2,837	12,295
Bulk Terminal	--	--	273	--	3	276
Motor Gasoline Blending Components²	52,063	42,637	79,133	6,863	26,409	207,106
Refinery	2,662	13,571	27,784	3,132	11,646	58,795
Bulk Terminal	37,972	21,729	34,889	2,702	11,841	109,134
Pipeline	11,429	7,337	16,460	1,029	2,922	39,177
Reformulated - RBOB	17,813	4,140	10,929	983	13,261	47,126
Refinery	1,091	834	1,490	--	4,435	7,850
Bulk Terminal	13,551	2,883	5,758	720	7,247	30,159
Pipeline	3,171	423	3,681	263	1,579	9,117
Conventional	34,250	38,497	68,204	5,880	13,148	159,979
Refinery	1,571	12,737	26,294	3,132	7,211	50,945
Bulk Terminal	24,421	18,846	29,131	1,982	4,594	78,974
Pipeline	8,258	6,914	12,779	766	1,343	30,060
CBOB	28,508	31,628	37,357	4,253	7,596	109,342
Refinery	220	6,569	11,652	1,531	2,398	22,370
Bulk Terminal	20,202	18,200	13,318	1,956	3,867	57,543
Pipeline	8,086	6,859	12,387	766	1,331	29,429
GTAB	1,188	--	201	--	--	1,389
Refinery	--	--	--	--	--	--
Bulk Terminal	1,188	--	201	--	--	1,389
Pipeline	--	--	--	--	--	--
Other	4,554	6,869	30,646	1,627	5,552	49,248
Refinery	1,351	6,168	14,642	1,601	4,813	28,575
Bulk Terminal	3,031	646	15,612	26	727	20,042
Pipeline	172	55	392	--	12	631
Aviation Gasoline Blending Components	--	--	28	--	--	28
Refinery	--	--	28	--	--	28
Bulk Terminal	--	--	--	--	--	--
Finished Motor Gasoline	2,412	4,050	5,083	1,134	1,808	14,487
Refinery	46	1,146	2,066	829	435	4,522
Bulk Terminal	505	1,019	2,808	154	1,333	5,819
Pipeline	1,861	1,885	209	151	40	4,146
Reformulated	4	--	--	--	15	19
Refinery	--	--	--	--	15	15
Bulk Terminal	4	--	--	--	--	4
Pipeline	--	--	--	--	--	--
Reformulated (Blended with Fuel Ethanol)	4	--	--	--	15	19
Refinery	--	--	--	--	15	15
Bulk Terminal	4	--	--	--	--	4
Pipeline	--	--	--	--	--	--
Reformulated (Other)	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Conventional	2,408	4,050	5,083	1,134	1,793	14,468
Refinery	46	1,146	2,066	829	420	4,507
Bulk Terminal	501	1,019	2,808	154	1,333	5,815
Pipeline	1,861	1,885	209	151	40	4,146
Conventional (Blended with Fuel Ethanol)	--	180	--	72	22	274
Refinery	--	--	--	71	--	71
Bulk Terminal	--	180	--	1	22	203
Pipeline	--	--	--	--	--	--
Ed55 and Lower	--	180	--	72	--	252
Refinery	--	--	--	71	--	71
Bulk Terminal	--	180	--	1	--	181
Pipeline	--	--	--	--	--	--
Greater than Ed55	--	--	--	--	22	22
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	22	22
Pipeline	--	--	--	--	--	--
Conventional (Other)	2,408	3,870	5,083	1,062	1,771	14,194
Refinery	46	1,146	2,066	758	420	4,436

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, November 2024
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Bulk Terminal	501	839	2,808	153	1,311	5,612
Pipeline	1,861	1,885	209	151	40	4,146
Finished Aviation Gasoline	225	185	501	7	324	1,242
Refinery	—	—	313	7	184	504
Bulk Terminal	225	185	188	—	140	738
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	11,906	7,846	12,156	957	10,894	43,759
Refinery	435	2,234	5,682	358	3,642	12,351
Bulk Terminal	6,647	3,425	3,113	414	6,344	19,943
Pipeline	4,824	2,187	3,361	185	908	11,465
Kerosene	958	204	502	2	7	1,673
Refinery	113	187	93	2	1	396
Bulk Terminal	808	17	298	—	6	1,129
Pipeline	37	—	111	—	—	148
Distillate Fuel Oil²	36,969	28,862	42,797	4,291	12,116	125,035
Refinery	1,597	6,147	13,196	1,658	4,800	27,398
Bulk Terminal	28,153	15,955	16,940	1,697	6,402	69,147
Pipeline	7,219	6,760	12,661	936	914	28,490
15 ppm sulfur and Under	35,652	28,139	35,854	4,108	11,250	115,003
Refinery	1,288	5,833	11,183	1,475	4,227	24,006
Bulk Terminal	27,153	15,884	12,783	1,697	6,237	63,754
Pipeline	7,211	6,422	11,888	936	786	27,243
Greater than 15 ppm to 500 ppm sulfur	581	404	1,291	75	252	2,603
Refinery	90	40	476	75	186	867
Bulk Terminal	491	32	694	—	1	1,218
Pipeline	—	332	121	—	65	518
Greater than 500 ppm sulfur	736	319	5,652	108	614	7,429
Refinery	219	274	1,537	108	387	2,525
Bulk Terminal	509	39	3,463	—	164	4,175
Pipeline	8	6	652	—	63	729
Residual Fuel Oil	4,870	1,032	12,748	196	3,659	22,505
Refinery	481	967	2,915	196	2,177	6,736
Bulk Terminal	4,389	65	9,833	—	1,482	15,769
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	689	115	996	6	431	2,237
Refinery	35	105	160	6	34	340
Bulk Terminal	654	10	836	—	397	1,897
0.31% to 1.00% Sulfur	1,045	201	3,527	8	630	5,411
Refinery	277	198	444	8	402	1,329
Bulk Terminal	768	3	3,083	—	228	4,082
Greater than 1.00% Percent Sulfur	3,136	716	8,225	182	2,598	14,857
Refinery	169	664	2,311	182	1,741	5,067
Bulk Terminal	2,967	52	5,914	—	857	9,790
Petrochemical Feedstocks	8	539	1,963	—	—	2,510
Refinery	8	539	1,963	—	—	2,510
Naphtha for Petrochemical Feedstock Use	—	405	1,245	—	—	1,650
Other Oils for Petrochemical Feedstock Use	8	134	718	—	—	860
Special Naphthas	50	167	834	—	32	1,083
Refinery	39	93	823	—	32	987
Bulk Terminal	11	74	11	—	—	96
Lubricants	1,173	658	9,011	—	983	11,825
Refinery	750	267	5,050	—	756	6,823
Bulk Terminal	423	391	3,961	—	227	5,002
Waxes	265	49	274	—	—	588
Refinery	265	49	274	—	—	588
Petroleum Coke	—	750	2,878	100	759	4,487
Refinery	—	750	2,878	100	759	4,487
Asphalt and Road Oil	3,526	9,774	3,777	1,487	2,357	20,921
Refinery	468	4,347	1,823	650	884	8,172
Bulk Terminal	3,058	5,427	1,954	837	1,473	12,749
Miscellaneous Products	28	191	718	18	67	1,022
Refinery	28	116	718	18	59	939
Bulk Terminal	—	75	—	—	8	83
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	146,558	283,355	1,020,282	50,262	139,088	1,639,546

-- = 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 Includes Condensate and Scrubber Oil.

⁴ 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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, November 2024
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	4	547	551	14,642	25,992	40,634	921
Connecticut	—	—	—	1,156	29	1,185	33
Delaware	—	—	—	649	323	972	104
District of Columbia	—	—	—	—	—	—	—
Florida	—	155	155	—	6,374	6,374	—
Georgia	—	100	100	—	2,678	2,678	1
Maine	—	—	—	55	602	657	154
Maryland	—	—	—	883	103	986	41
Massachusetts	4	—	4	1,069	—	1,069	—
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	75	75	7,090	5,258	12,348	232
New York	—	—	—	810	1,854	2,664	228
North Carolina	—	42	42	—	2,433	2,433	22
Pennsylvania	—	—	—	536	3,987	4,523	86
Rhode Island	—	—	—	898	14	912	—
South Carolina	—	115	115	—	1,235	1,235	2
Vermont	—	—	—	—	21	21	3
Virginia	—	9	9	1,496	950	2,446	15
West Virginia	—	51	51	—	131	131	—
PAD District 2	—	2,165	2,165	3,717	31,583	35,300	204
Illinois	—	43	43	2,104	4,295	6,399	139
Indiana	—	111	111	731	3,618	4,349	—
Iowa	—	21	21	—	1,836	1,836	—
Kansas	—	217	217	—	3,227	3,227	17
Kentucky	—	95	95	197	1,560	1,757	—
Michigan	—	9	9	90	2,982	3,072	—
Minnesota	—	294	294	0	2,279	2,279	—
Missouri	—	107	107	206	644	850	—
Nebraska	—	18	18	—	491	491	—
North Dakota	—	70	70	—	726	726	—
Ohio	—	667	667	—	3,668	3,668	19
Oklahoma	—	321	321	22	2,419	2,441	29
South Dakota	—	7	7	—	474	474	—
Tennessee	—	70	70	—	2,208	2,208	—
Wisconsin	—	115	115	367	1,156	1,523	—
PAD District 3	—	4,874	4,874	7,248	55,425	62,673	391
Alabama	—	79	79	6	1,576	1,582	5
Arkansas	—	62	62	—	936	936	—
Louisiana	—	600	600	187	11,596	11,783	1
Mississippi	—	746	746	13	2,469	2,482	—
New Mexico	—	25	25	36	620	656	—
Texas	—	3,362	3,362	7,006	38,228	45,234	385
PAD District 4	—	983	983	720	5,114	5,834	2
Colorado	—	1	1	698	1,129	1,827	—
Idaho	—	14	14	—	422	422	—
Montana	—	369	369	—	1,343	1,343	—
Utah	—	106	106	22	1,360	1,382	2
Wyoming	—	493	493	—	860	860	—
PAD District 5	15	1,753	1,768	11,682	11,805	23,487	7
Alaska	—	279	279	—	444	444	6
Arizona	—	164	164	820	284	1,104	—
California	15	245	260	10,512	5,712	16,224	1
Hawaii	—	299	299	—	523	523	—
Nevada	—	207	207	16	444	460	—
Oregon	—	82	82	—	921	921	—
Washington	—	477	477	334	3,477	3,811	—
U.S. Total	19	10,322	10,341	38,009	129,919	167,929	1,525

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, November 2024
(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	28,441	581	728	29,750	4,870	7,119
Connecticut	2,101	—	—	2,101	18	—
Delaware	524	40	91	655	256	7
District of Columbia	—	—	—	—	—	—
Florida	2,237	162	—	2,399	1,465	47
Georgia	1,375	—	—	1,375	149	13
Maine	1,292	3	—	1,295	44	—
Maryland	727	—	—	727	165	—
Massachusetts	973	24	—	997	105	—
New Hampshire	630	—	—	630	14	513
New Jersey	7,699	57	146	7,902	2,085	48
New York	3,741	—	125	3,866	267	2,292
North Carolina	1,043	—	—	1,043	—	462
Pennsylvania	2,882	—	89	2,971	232	2,722
Rhode Island	1,034	—	—	1,034	—	—
South Carolina	848	—	—	848	—	788
Vermont	52	—	—	52	—	—
Virginia	1,124	260	277	1,661	70	—
West Virginia	159	35	—	194	—	93
PAD District 2	21,717	72	313	22,102	1,032	22,285
Illinois	3,103	—	3	3,106	286	1,112
Indiana	2,184	—	102	2,286	132	372
Iowa	1,790	1	—	1,791	1	436
Kansas	2,329	—	—	2,329	43	12,188
Kentucky	704	—	—	704	50	368
Michigan	1,533	—	—	1,533	85	6,080
Minnesota	1,819	—	58	1,877	84	580
Missouri	611	27	6	644	—	81
Nebraska	785	—	—	785	—	365
North Dakota	979	—	—	979	27	56
Ohio	1,774	4	55	1,833	158	572
Oklahoma	1,497	40	89	1,626	87	23
South Dakota	497	—	—	497	—	8
Tennessee	1,146	—	—	1,146	70	2
Wisconsin	966	—	—	966	9	42
PAD District 3	23,966	1,170	5,000	30,136	12,748	45,211
Alabama	1,123	7	37	1,167	658	14
Arkansas	780	—	—	780	—	46
Louisiana	4,454	464	966	5,884	5,474	3,180
Mississippi	1,337	185	68	1,590	123	4,139
New Mexico	325	—	—	325	19	3
Texas	15,947	514	3,929	20,390	6,474	37,829
PAD District 4	3,172	75	108	3,355	196	1,389
Colorado	682	—	—	682	7	21
Idaho	260	—	—	260	—	—
Montana	1,011	51	19	1,081	55	20
Utah	556	22	89	667	49	1,296
Wyoming	663	2	—	665	85	52
PAD District 5	10,464	187	551	11,202	3,659	2,261
Alaska	942	—	73	1,015	79	2
Arizona	728	—	—	728	—	1,237
California	3,729	186	280	4,195	2,108	537
Hawaii	507	1	196	704	761	40
Nevada	602	—	2	604	—	—
Oregon	1,143	—	—	1,143	153	—
Washington	2,813	—	—	2,813	558	445
U.S. Total	87,760	2,085	6,700	96,545	22,505	78,265

— = 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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, November 2024
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	446	0	0	681	62,561	8,458	3,469	2,540	19,408
Petroleum Products	17,324	83	0	22,102	50,533	15,503	5,596	106,421	20,917
Natural Gas Liquids	7,807	27	0	8,651	39,331	11,934	983	1,689	11,702
Ethane	5,989	0	—	563	16,823	2,779	—	0	1,290
Propane	1,052	0	0	5,912	13,876	4,798	319	1,617	1,378
Normal Butane	155	16	0	2,167	3,781	1,960	561	72	576
Isobutane	328	11	0	9	1,569	684	103	0	1,024
Natural Gasoline	283	0	—	0	3,282	1,713	—	0	7,434
Refinery Olefins	0	0	—	112	442	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	112	442	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	20	0	—	0	794	—	—	35	60
Motor Gasoline Blending Components	6,186	0	0	1,492	1,545	1,607	0	56,813	3,209
Reformulated - RBOB	0	0	0	0	202	1,062	0	6,800	1,428
Conventional	6,186	0	0	1,492	1,343	545	0	50,013	1,781
CBOB	6,186	0	0	1,492	1,206	545	0	48,948	1,731
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	137	—	—	1,065	50
Biofuels (including Fuel Ethanol)	31	0	0	8,570	6,453	410	4,487	0	0
Fuel Ethanol	0	0	0	8,446	6,156	375	3,962	0	0
Biodiesel	31	0	0	124	297	35	293	0	0
Renewable Diesel Fuel	0	0	0	—	0	0	233	—	0
Other Biofuels ²	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	87	0	0	1,071	9	0	0	1,851	751
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	87	0	0	1,071	9	0	0	1,851	751
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	87	0	0	1,071	9	0	0	1,851	751
Finished Aviation Gasoline	0	0	—	0	0	—	—	119	51
Kerosene-Type Jet Fuel	424	0	0	199	87	821	0	17,324	1,340
Kerosene	—	0	—	0	0	—	—	102	—
Distillate Fuel Oil	2,750	0	0	1,130	697	636	0	27,799	3,486
15 ppm sulfur and under	2,750	0	0	1,130	697	636	0	27,644	3,311
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—	—	155	175
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	0	0	—	—	466	—	—	—	60
Petrochemical Feedstocks	0	0	—	—	67	—	—	—	17
Naphtha for Petrochemical Feedstock Use	0	0	—	—	47	—	—	—	17
Other Oils for Petrochemical Feedstock Use	0	0	—	—	20	—	—	—	0
Special Naphthas	0	0	—	—	0	—	—	—	26
Lubricants	0	50	0	22	0	—	0	380	107
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	6	0	72	255	49	0	6	12
Asphalt and Road Oil	19	0	0	783	387	46	126	303	93
Miscellaneous Products	0	0	—	—	0	—	—	—	3
Total	17,770	83	0	22,783	113,094	23,961	9,065	108,961	40,325

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, November 2024
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	0	0	27,952	1,710	0	0	0	0
Petroleum Products	257	8,134	0	24,099	4,776	3,111	3	20	8
Natural Gas Liquids	0	161	0	22,990	4,652	507	0	0	0
Ethane	0	—	0	6,415	1,767	—	0	0	0
Propane	0	0	0	8,609	1,381	181	0	0	0
Normal Butane	0	44	0	3,523	534	270	0	0	0
Isobutane	0	117	0	1,350	321	56	0	0	0
Natural Gasoline	0	—	0	3,093	649	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	127	4,137	0	146	0	1,454	0	0	0
Reformulated - RBOB	41	2,241	0	0	0	0	0	0	0
Conventional	86	1,896	0	146	0	1,454	0	0	0
CBOB	86	1,896	0	146	0	1,454	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	0	2,374	0	0	0	255	0	0	3
Fuel Ethanol	0	152	0	0	0	89	0	0	0
Biodiesel	0	17	0	0	0	0	0	0	3
Renewable Diesel Fuel	0	2,205	—	0	0	166	—	0	0
Other Biofuels ²	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	458	0	71	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	458	0	71	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	458	0	71	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	205	0	0	0	25	0	0	0
Kerosene	—	—	0	—	0	—	0	0	—
Distillate Fuel Oil	130	1,125	0	415	0	315	0	0	0
15 ppm sulfur and under	130	1,125	0	415	0	315	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
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	—	17	0	0	0	0	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	3	0	83	22	156	3	20	0
Asphalt and Road Oil	0	112	0	8	102	328	0	0	5
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	257	8,134	0	52,051	6,486	3,111	3	20	8

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, renewable diesel fuel, 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, November 2024
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	90	0	235	62,350	8,458	0	19,408	0	-
Petroleum Products	17,182	0	9,995	41,059	14,998	83,725	19,748	257	5,467
Natural Gas Liquids	7,735	0	7,160	39,003	11,934	1,421	11,350	0	-
Ethane	5,989	0	563	16,823	2,779	0	1,290	0	-
Propane	1,037	0	5,132	13,742	4,798	1,421	1,303	0	-
Normal Butane	129	0	1,465	3,652	1,960	0	437	0	-
Isobutane	297	0	0	1,504	684	0	886	0	-
Natural Gasoline	283	0	0	3,282	1,713	0	7,434	0	-
Motor Gasoline Blending Components	6,186	0	896	1,315	1,607	43,486	3,209	127	4,137
Reformulated - RBOB	0	0	0	202	1,062	6,800	1,428	41	2,241
Conventional	6,186	0	896	1,113	545	36,686	1,781	86	1,896
CBOB	6,186	0	896	1,113	545	35,731	1,731	86	1,896
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	955	50	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	87	0	1,047	0	0	1,300	521	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	87	0	1,047	0	0	1,300	521	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	87	0	1,047	0	0	1,300	521	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	424	0	179	87	821	13,346	1,340	0	205
Kerosene	-	0	0	0	-	102	-	-	-
Distillate Fuel Oil	2,750	0	713	654	636	24,070	3,328	130	1,125
15 ppm sulfur and under	2,750	0	713	654	636	24,070	3,153	130	1,125
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	175	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	17,272	0	10,230	103,409	23,456	83,725	39,156	257	5,467

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, November 2024
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	27,952	285	—	0	0
Petroleum Products	0	24,009	4,652	1,865	0	0
Natural Gas Liquids	0	22,990	4,652	—	0	0
Ethane	0	6,415	1,767	—	0	0
Propane	0	8,609	1,381	—	0	0
Normal Butane	0	3,523	534	—	0	0
Isobutane	0	1,350	321	—	0	0
Natural Gasoline	0	3,093	649	—	0	0
Motor Gasoline Blending Components	0	146	0	1,454	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	146	0	1,454	0	0
CBOB	0	146	0	1,454	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	458	0	71	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	458	0	71	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	458	0	71	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	0	0	25	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	415	0	315	0	0
15 ppm sulfur and under	0	415	0	315	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	51,961	4,937	1,865	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, November 2024
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	356	0	—	292	211	—
Petroleum Products	20	50	0	1,236	2,204	0
Natural Gas Liquids	—	0	—	0	0	—
Ethane	—	—	—	—	—	—
Propane	—	0	—	0	0	—
Normal Butane	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—
Unfinished Oils	20	0	—	0	794	—
Motor Gasoline Blending Components	0	0	—	596	230	—
Reformulated - RBOB	—	—	—	—	—	—
Conventional	0	0	—	596	230	—
CBOB	0	0	—	596	93	—
GTAB	—	—	—	—	—	—
Other	0	0	—	0	137	—
Biofuels (including Fuel Ethanol)	0	0	0	127	509	0
Fuel Ethanol	0	0	—	127	509	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	0	0	—	0	0
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	0	—	24	9	—
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	0	—	24	9	—
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	0	—	24	9	—
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	0	—	20	0	—
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	0	—	417	43	—
15 ppm sulfur and under	0	0	—	417	43	—
Greater than 15 ppm to 500 ppm sulfur	—	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	—	—	—	—
Residual Fuel Oil	0	0	—	—	466	—
Less than 0.31 percent sulfur	0	0	—	—	47	—
0.31 to 1.00 percent sulfur	—	—	—	—	—	—
Greater than 1.00 percent sulfur	0	0	—	—	419	—
Petrochemical Feedstocks	0	0	—	—	67	—
Naphtha for Petrochemical Feedstock Use	0	0	—	—	47	—
Other Oils for Petrochemical Feedstock Use	0	0	—	—	20	—
Special Naphthas	0	0	—	—	0	—
Lubricants	0	50	0	22	0	0
Waxes	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	30	86	—
Miscellaneous Products	0	0	—	—	0	—
Total	376	50	0	1,528	2,415	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, November 2024
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	2,540	—	2,540	—	0	—	0	0	0
Petroleum Products	22,349	12	426	21,911	713	1,401	0	0	0
Natural Gas Liquids	56	—	—	56	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	56	—	—	56	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	35	—	35	—	60	—	0	0	0
Motor Gasoline Blending Components	13,327	—	110	13,217	0	—	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	13,327	—	110	13,217	0	—	0	0	0
CBOB	13,217	—	—	13,217	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	110	—	110	—	0	—	0	0	0
Biofuels (including Fuel Ethanol)	0	—	—	—	0	1,384	0	0	0
Fuel Ethanol	0	—	—	—	0	—	0	0	0
Biodiesel	—	—	—	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	1,384	—	—	0
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	551	—	—	551	230	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	551	—	—	551	230	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	551	—	—	551	230	—	0	0	0
Finished Aviation Gasoline	119	12	—	107	51	—	0	0	0
Kerosene-Type Jet Fuel	3,978	—	—	3,978	0	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	3,729	—	—	3,729	158	—	0	0	0
15 ppm sulfur and under	3,574	—	—	3,574	158	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	155	—	—	155	—	—	0	—	0
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	—	—	—	—	60	—	—	0	0
Less than 0.31 percent sulfur	—	—	—	—	60	—	—	0	0
0.31 to 1.00 percent sulfur	—	—	—	—	—	—	—	—	—
Greater than 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks	—	—	—	—	17	—	—	0	0
Naphtha for Petrochemical Feedstock Use	—	—	—	—	17	—	—	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	0	—	—	0	0
Special Naphthas	—	—	—	—	26	—	—	0	0
Lubricants	380	—	281	99	107	17	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	174	—	—	174	1	—	0	0	0
Miscellaneous Products	—	—	—	—	3	—	—	0	0
Total	24,889	12	2,966	21,911	713	1,401	0	0	0

— = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, November 2024
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	154	0	0	3,469
Propane	15	0	0	0	780	134	0	319
Propylene	0	0	–	–	112	442	–	–
Normal Butane	26	16	0	0	702	129	0	561
Isobutane	31	11	0	0	9	65	0	103
Fuel Ethanol	0	0	0	0	8,319	5,647	375	3,962
Biodiesel	31	0	0	0	124	297	35	293
Renewable Diesel Fuel	0	0	0	0	–	0	0	233
Marketable Petroleum Coke	0	6	0	0	72	255	49	0
Asphalt and Road Oil	19	0	0	0	753	301	46	126

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	1,425	0
Propane	140	75	0	0	0	0	0	181
Propylene	0	0	–	–	0	0	0	–
Normal Butane	72	139	0	44	0	0	0	270
Isobutane	0	138	0	117	0	0	0	56
Fuel Ethanol	0	0	0	152	0	0	0	89
Biodiesel	0	0	0	17	0	0	0	0
Renewable Diesel Fuel	–	0	0	821	–	0	0	166
Marketable Petroleum Coke	6	12	0	3	0	83	22	156
Asphalt and Road Oil	129	92	0	112	0	8	102	328

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	3
Renewable Diesel Fuel	–	0	0	0
Marketable Petroleum Coke	3	3	20	0
Asphalt and Road Oil	0	0	0	5

– = No Data Reported.

Data source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, November 2024
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	90	356	0	446
3	0	0	0	0
4	0	—	0	0
5	—	—	0	0
From 2 to				
1	235	292	154	681
3	62,350	211	0	62,561
4	8,458	—	0	8,458
5	—	—	3,469	3,469
From 3 to				
1	0	2,540	0	2,540
2	19,408	0	0	19,408
4	0	—	0	0
5	—	—	0	0
From 4 to				
1	0	0	0	0
2	27,952	0	0	27,952
3	285	0	1,425	1,710
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, November 2024
(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	3,221	446	2,775	47,806	75,169	-27,363	64,271	21,948	42,323
Petroleum Products	128,526	17,407	111,119	62,344	93,734	-31,390	55,412	135,730	-80,318
Natural Gas Liquids	10,340	7,834	2,506	42,499	60,899	-18,400	44,010	13,552	30,458
Ethane	563	5,989	-5,426	13,694	20,165	-6,471	18,590	1,290	17,300
Propane	7,529	1,052	6,477	11,039	24,905	-13,866	15,257	2,995	12,262
Normal Butane	2,239	171	2,068	4,254	8,469	-4,215	4,331	692	3,639
Isobutane	9	339	-330	2,702	2,365	337	1,901	1,141	760
Natural Gasoline	0	283	-283	10,810	4,995	5,815	3,931	7,434	-3,503
Refinery Olefins	112	0	112	0	554	-554	442	0	442
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	112	0	112	0	554	-554	442	0	442
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	35	20	15	80	794	-714	794	95	699
Motor Gasoline Blending Components	58,305	6,186	52,119	9,541	4,644	4,897	1,545	64,286	-62,741
Reformulated - RBOB	6,800	0	6,800	1,428	1,264	164	202	10,510	-10,308
Conventional	51,505	6,186	45,319	8,113	3,380	4,733	1,343	53,776	-52,433
CBOB	50,440	6,186	44,254	8,063	3,243	4,820	1,206	52,661	-51,455
GTAB	0	0	-	-	-	-	0	0	-
Other	1,065	0	1,065	50	137	-87	137	1,115	-978
Biofuels (including Fuel Ethanol)	8,570	31	8,539	31	19,921	-19,889	6,453	2,374	4,079
Fuel Ethanol	8,446	0	8,446	0	18,939	-18,939	6,156	152	6,004
Biodiesel	124	31	93	31	749	-717	297	17	280
Renewable Diesel Fuel	0	0	-	0	233	-233	0	2,205	-2,205
Other Biofuels ²	0	0	-	0	0	-	0	0	-
Finished Motor Gasoline	2,922	87	2,835	1,296	1,080	216	9	2,602	-2,593
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	0	0	-	-	-	-
Conventional	2,922	87	2,835	1,296	1,080	216	9	2,602	-2,593
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	2,922	87	2,835	1,296	1,080	216	9	2,602	-2,593
Finished Aviation Gasoline	119	0	119	51	0	51	0	170	-170
Kerosene-Type Jet Fuel	17,523	424	17,099	1,764	1,107	657	87	18,869	-18,782
Kerosene	102	0	102	0	0	-	0	102	-102
Distillate Fuel Oil	28,929	2,750	26,179	6,651	2,463	4,188	697	32,540	-31,843
15 ppm sulfur and under	28,774	2,750	26,024	6,476	2,463	4,013	697	32,210	-31,513
Greater than 15 ppm to 500 ppm sulfur	155	0	155	175	0	175	0	330	-330
Greater than 500 ppm sulfur	0	0	-	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	60	466	-406	466	60	406
Petrochemical Feedstocks	0	0	-	17	67	-50	67	17	50
Naphtha for Petrochemical Feedstock Use	-	-	-	17	47	-30	47	17	30
Other Oils for Petrochemical Feedstock Use	0	0	-	0	20	-20	20	0	20
Special Naphthas	0	0	-	26	0	26	0	26	-26
Lubricants	402	50	352	107	22	85	50	504	-454
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	81	6	75	99	375	-277	303	22	281
Asphalt and Road Oil	1,086	19	1,067	119	1,342	-1,223	488	507	-19
Miscellaneous Products	0	0	-	3	0	3	0	3	-3
Total	131,747	17,853	113,894	110,150	168,903	-58,752	119,683	157,678	-37,995

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, November 2024
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	8,458	29,662	-21,204	3,469	0	3,469
Petroleum Products	15,768	31,986	-16,218	16,841	35	16,807
Natural Gas Liquids	11,934	28,149	-16,215	1,651	0	1,651
Ethane	2,779	8,182	-5,403	0	0	—
Propane	4,798	10,171	-5,373	500	0	500
Normal Butane	1,960	4,327	-2,367	875	0	875
Isobutane	684	1,727	-1,043	276	0	276
Natural Gasoline	1,713	3,742	-2,029	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Normal Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	1,734	1,600	134	5,591	0	5,591
Reformulated - RBOB	1,103	0	1,103	2,241	0	2,241
Conventional	631	1,600	-969	3,350	0	3,350
CBOB	631	1,600	-969	3,350	0	3,350
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	413	255	158	7,116	3	7,113
Fuel Ethanol	375	89	286	4,203	0	4,203
Biodiesel	38	0	38	310	3	307
Renewable Diesel Fuel	0	166	-166	2,604	0	2,604
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	0	529	-529	71	0	71
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	529	-529	71	0	71
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	0	529	-529	71	0	71
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	821	25	796	230	0	230
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	766	730	36	1,440	0	1,440
15 ppm sulfur and under	766	730	36	1,440	0	1,440
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	0	0	—	0	0	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	17	0	17
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	49	261	-212	159	27	133
Asphalt and Road Oil	51	438	-386	566	5	561
Miscellaneous Products	0	0	—	0	0	—
Total	24,226	61,648	-37,422	20,310	35	20,275

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, renewable diesel fuel, 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, New Hampshire, Rhode Island, and Vermont.

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

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

PAD District II

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

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

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

PAD District III

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

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

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

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

New Mexico: The State of New Mexico.

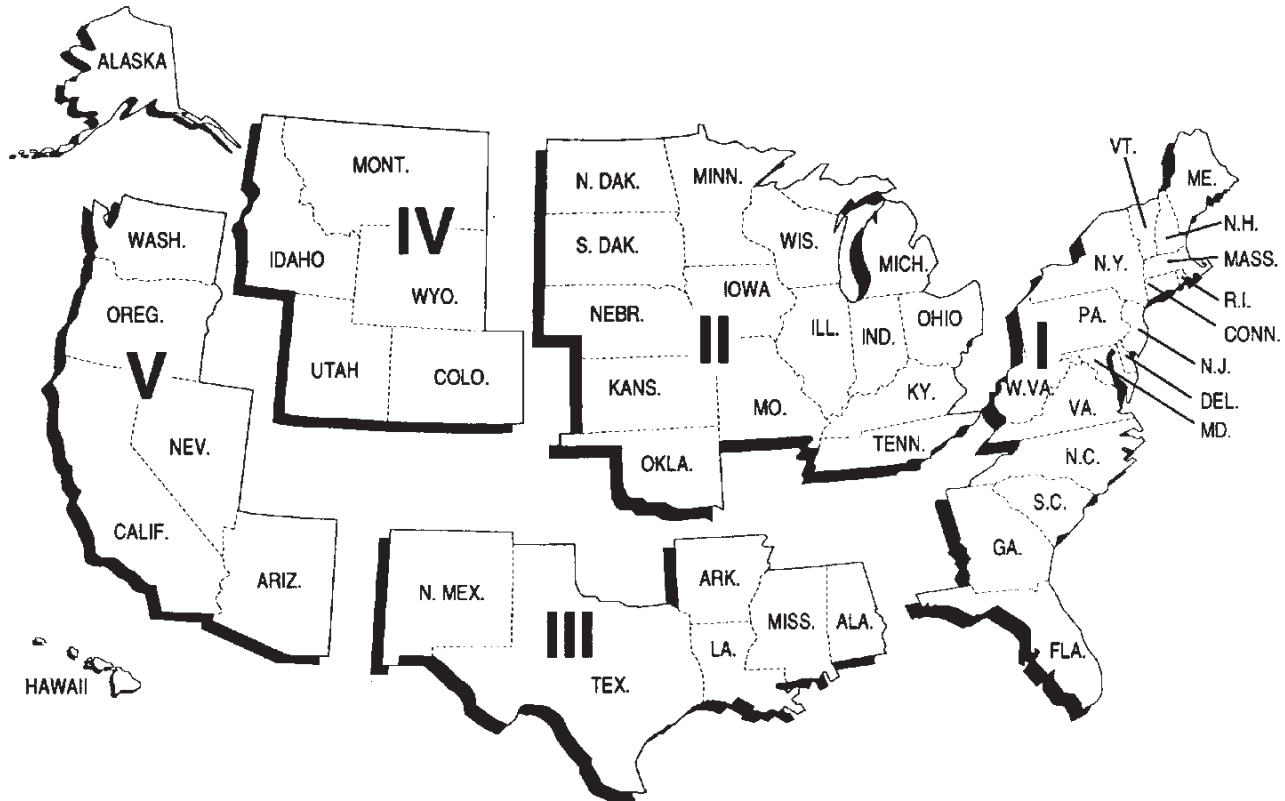
PAD District IV

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

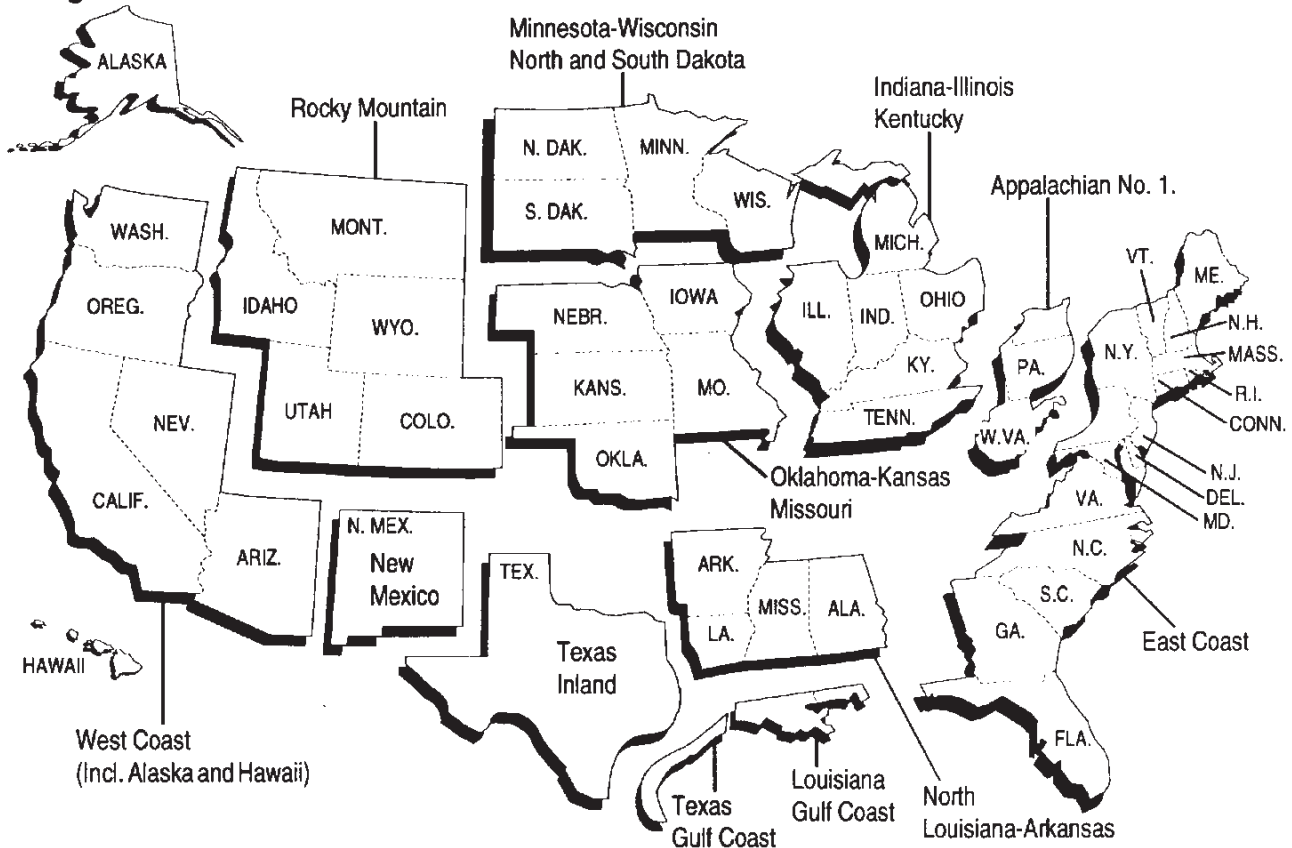
PAD District V

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

Petroleum Administration for Defense (PAD) Districts



Refining Districts



Appendix B. Explanatory Notes

Preface

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

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

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

Overview

A. The Energy Information Administration's Quality Guidelines

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

B. Concepts of Product Supply and Demand

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

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

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

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

C. Components of Supply and Disposition

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

(1.) Supply

- a. Field Production - Total Field Production is the sum of crude oil production and natural gas liquids (NGL) production from natural gas processing plants. Sources of crude oil production data include state government agencies, Department of the Interior, Bureau of Safety and Environmental Enforcement (and predecessor agencies), first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report", and Form EIA-914 "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report". Refer to "Domestic Crude Oil Production" in Section 2C (1) for further details. Field production of NGL is reported on Form EIA-816 and published on a net basis (i.e., production minus input).
- b. Transfers to crude oil supply – EIA added new data labeled Transfers to crude oil supply to national and regional volumetric balance tables for petroleum and biofuels beginning with PSA data for 2022. Transfers to crude oil supply include barrels of unfinished oils (refinery feedstocks) and NGL that EIA identified as having been added to crude oil supply by blending with crude oil in pipelines and storage. Transfers to crude oil supply quantities include barrels of NGL produced in Alaska and blended into crude oil. Transfers to crude oil supply also include barrels calculated by EIA using the following methods.

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

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

Crude oil

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

- c. Biofuels Plant Net Production – biofuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and biofuels (diesel, heating oil, jet, naphtha, gasoline, and other biofuels and biointermediates) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-biofuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.
- d. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA- 815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

- e. Imports – Imports include receipts of petroleum and biofuels into the 50 States and the District of Columbia from foreign countries as well as from U.S. possessions and territories. EIA also reports imports received from foreign countries into U.S. possessions and territories as well as trade between U.S. possessions and territories. Imports include goods entered into U.S. commerce, admitted to U.S. foreign trade zones, and withdrawn from bonded storage whether entered into U.S. commerce or withdrawn from bonded storage for international commerce (e.g. jet fuel withdrawn from bonded storage to be used as fuel on an international flight). EIA imports exclude goods entered into bonded storage pending withdrawal whether to be entered into U.S. commerce or for international commerce.
- f. Net Receipts – EIA reports net receipts to account for inter-PADD movements in tables showing volumetric balances by PADD. EIA calculates net inter-PADD receipts by subtracting shipments out of each PADD from receipts into each PADD.
- g. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, hydrogen, and “other” hydrocarbons. EIA calculates adjustment quantities to balance supply and disposition or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products. Product supplied is a measure of demand for petroleum products. EIA uses adjustment quantities to balance supply and disposition in cases where it is inappropriate to interpret the balance quantities as a measure of demand. Reclassifications reported in the adjustments column are implied by the supply and disposition balance. Supply equals the sum of field production, transfers to crude oil supply (beginning with PSA data for January 2022), biofuels plant net production, refinery and blender net production, imports, net inter-PADD receipts (for data by PADD), and adjustments. Disposition equals the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PADD. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021. Beginning with data for January 2021, EIA uses product supplied as the balance quantity for biofuels excluding fuel ethanol (biodiesel, renewable diesel fuel, and “other” biofuels).

(2.) Disposition

- a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
- b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, biofuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

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

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

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

- c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.
- d. Products Supplied - Products supplied is a calculated measure of demand equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

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

(3.) Ending Stocks

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

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

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

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

2. Components - Forms Discussions

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

A. Petroleum Supply Reporting System

The eight monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven 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-806, "Weekly Natural Gas Liquids Report,"
7. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Bulk Terminal Report."
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report" (formerly "Monthly Oxygenate Report")
17. EIA-820, "Annual Refinery Report."

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys

do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report on weekly surveys.

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

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at:

<https://www.eia.gov/survey/>

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

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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report” 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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report”.

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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report” include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other biofuels and biointermediates, isooctane, isooctene and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations) located in the 50 States and the District of Columbia.

(3.) Collection

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

(4.) Processing and Micro Editing

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

(5.) Estimation and Imputation

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

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

the Petroleum Supply Annual (PSA).

(6.) Macro Editing

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

(7.) Dissemination

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

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

Much of the *PSM* data are available in HTML format on [eia.gov](http://www.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/](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.

Census data are aggregated using Schedule B Codes. These are mapped to EIA products and converted to barrels as follows:

SCHEDULE B	EIA PRODUCT NAME	CONVERSION FACTOR
2207106010	FUEL ETHANOL	0.00629
2207106090	FUEL ETHANOL	0.00629
2207200010	FUEL ETHANOL	0.00629
2207200090	FUEL ETHANOL	0.00629
2707999010	PETROCHEMICAL FEEDSTOCKS - OTHER OILS	1.00000
2709001000	CRUDE OIL	1.00000
2709002010	CRUDE OIL	1.00000
2709002090	CRUDE OIL	1.00000
2710121510	FINISHED MOGAS - CONV - OTHER	1.00000
2710121514	MOGAS BLENDING COMPONENTS - RBOB	1.00000
2710121519	FINISHED MOGAS - CONV - OTHER	1.00000
2710121520	MISCELLANEOUS PRODUCTS	1.00000
2710121550	MOGAS BLENDING COMPONENTS - OTHER	1.00000

2710121805	MOGAS BLENDING COMPONENTS - RBOB	1.00000
2710121890	MOGAS BLENDING COMPONENTS - OTHER	1.00000
2710122500	UNFINISHED OILS, NAPHTHA AND LIGHTER	1.00000
2710123500	NGL - NATURAL GASOLINE	1.00000
2710129010	MOGAS BLENDING COMPONENTS - OTHER	1.00000
2710129090	NGL - NATURAL GASOLINE	1.00000
2710190605	DISTILLATE FUEL OIL < 15 PPM SULFUR	1.00000
2710190615	DISTILLATE FUEL OIL >500 PPM SULFUR	1.00000
2710190621	RESIDUAL FUEL, TOTAL	1.00000
2710190624	RESIDUAL FUEL, TOTAL	1.00000
2710190626	RESIDUAL FUEL, TOTAL	1.00000
2710190628	RESIDUAL FUEL, TOTAL	1.00000
2710190650	RESIDUAL FUEL, TOTAL	1.00000
2710191106	DISTILLATE FUEL OIL < 15 PPM SULFUR	1.00000
2710191109	DISTILLATE FUEL OIL 15 - 500 PPM SULFUR	1.00000
2710191112	DISTILLATE FUEL OIL >500 PPM SULFUR	1.00000
2710191115	DISTILLATE FUEL OIL < 15 PPM SULFUR	1.00000
2710191125	DISTILLATE FUEL OIL >500 PPM SULFUR	1.00000
2710191150	RESIDUAL FUEL, TOTAL	1.00000
2710191600	JET - KEROSENE	1.00000
2710192400	KEROSENE	1.00000
2710192500	KEROSENE	1.00000
2710192600	KEROSENE	1.00000
2710193010	LUBRICANTS, TOTAL	1.00000
2710193020	LUBRICANTS, TOTAL	1.00000
2710193030	LUBRICANTS, TOTAL	1.00000
2710193040	LUBRICANTS, TOTAL	1.00000
2710193050	LUBRICANTS, TOTAL	1.00000
2710193070	LUBRICANTS, TOTAL	1.00000
2710193080	LUBRICANTS, TOTAL	1.00000
2710193750	LUBRICANTS, TOTAL	1.00000
2710194530	LUBRICANTS, TOTAL	1.00000
2710194540	LUBRICANTS, TOTAL	1.00000
2710194545	LUBRICANTS, TOTAL	1.00000
2710194590	UNFINISHED OILS - KEROSENE AND LIGHTER	1.00000
2710200000	DISTILLATE FUEL OIL < 15 PPM SULFUR	1.00000
2711120000	NGL - PROPANE	6.28981
2711120010	NGL - PROPANE	6.28981
2711120020	NGL - PROPANE	6.28981
2711130000	NGL - NORMAL BUTANE	6.28981

2711190010	NGL - ETHANE	0.01717
2712100000	MISC PRODUCTS	0.00735
2712200000	WAX	0.00787
2712900000	WAX	0.00787
2713110000	COKE, MARKETABLE	5.50000
2713120000	COKE, MARKETABLE	5.50000
2713200000	ASPHALT & ROAD OIL	6.06000
2714900000	ASPHALT & ROAD OIL	6.06000
2901101010	NGL - ETHANE	0.01717
2901101020	NGL - NORMAL BUTANE	0.01079
2901101030	NGL - ISOBUTANE	0.01119
3826000000	BIODIESEL	0.00710

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

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

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

The volume of crude oil, ethanol, biodiesel, 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 Canada Energy Regulator (CER), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

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

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

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

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

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

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment"

could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil were added to PAD District 3 stocks and 330 thousand barrels were added to PAD District 4 stocks in data from 1983 through June, 2016.

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

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

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

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

(6.) Finished Motor Gasoline Adjustment

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

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

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

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with

ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PADD. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PADDs. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PADD. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PADD, then the total adjustment quantity of finished conventional motor gasoline in that PADD would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.
- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PADD.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and biofuels plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Biofuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for biofuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and

imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). Product supplied for biofuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” biofuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “biofuels (excluding fuel ethanol)” includes biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for biofuels (excluding fuel ethanol) at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Biofuels (excluding fuel ethanol) was unavailable and was excluded from Biofuels Plant Net Production. Therefore the calculation of adjustments to Biofuels (excluding fuel ethanol) caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to biofuels (excluding fuel ethanol).

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

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

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

(9.) Distillate Fuel Oil Adjustment

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

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

(10.) Crude Oil Adjustment

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

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

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

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

(11.) Other Hydrocarbon Adjustment

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

(12.) Hydrogen Adjustment

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

(13.) Oxygenates (excluding fuel ethanol) Adjustment

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

3. Quality

A. General Discussion

(1.) Response Rates

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

(2.) Non-sampling Errors

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

(3.) Resubmissions

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

(4.) Revision Policy

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

B. Data Assessment

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

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

4. Provisions Regarding Disclosure of Information

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

810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

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

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

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

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

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-24	300	300	200	201	900	99	
Feb-24	300	300	200	201	900	99	
Mar-24	300	300	200	201	900	99	
Apr-24	300	300	200	201	900	99	
May-24	300	300	200	201	900	99	
Jun-24	300	300	200	201	0	0	
Jul-24	300	300	200	201	0	0	
Aug-24	300	300	200	201	0	0	
Sep-24	300	300	200	201	0	0	
Oct-24	300	300	200	201	0	0	
Nov-24	300	300	200	201	0	0	
Dec-24							

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-24	82	9	34	125
Feb-24	82	9	34	125
Mar-24	82	9	34	125
Apr-24	78	9	34	121
May-24	78	9	34	121
Jun-24	78	9	34	121
Jul-24	78	9	34	121
Aug-24	78	9	34	121
Sep-24	80	9	34	121
Oct-24	80	9	34	121
Nov-24	80	9	34	121
Dec-24				

Source: New York State Energy Research & Development Authority