

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, January 2022
(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	3,080	311	2,769	38,906	66,317	-27,411	56,688	14,525	42,162
Petroleum Products	127,857	14,715	113,142	52,404	83,874	-31,470	50,603	129,391	-78,788
Natural Gas Liquids	9,768	6,582	3,186	35,758	48,252	-12,494	36,031	13,764	22,267
Ethane	0	4,811	-4,811	11,712	17,827	-6,115	17,323	1,370	15,953
Propane	8,021	885	7,136	9,596	18,611	-9,016	10,956	4,674	6,281
Normal Butane	1,624	265	1,359	3,690	6,332	-2,642	3,017	878	2,139
Isobutane	123	386	-263	2,685	1,857	828	1,655	1,305	351
Natural Gasoline	0	235	-235	8,076	3,625	4,451	3,080	5,537	-2,457
Refinery Olefins	311	0	311	0	914	-914	603	0	603
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	311	0	311	0	914	-914	603	0	603
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	21	-21	181	1,188	-1,007	1,188	160	1,028
Motor Gasoline Blending Components	58,715	5,277	53,438	8,383	5,052	3,331	2,030	63,636	-61,606
Reformulated - RBOB	6,648	0	6,648	625	370	255	370	8,962	-8,592
Conventional	52,067	5,277	46,790	7,758	4,682	3,076	1,660	54,674	-53,014
CBOB	51,338	5,277	46,061	7,708	4,294	3,414	1,272	53,895	-52,623
GTAB	0	0	-	-	-	-	-	-	-
Other	729	0	729	50	388	-338	388	779	-391
Biofuels (including Fuel Ethanol)	10,549	3	10,546	3	19,762	-19,759	6,058	560	5,497
Fuel Ethanol	10,261	0	10,261	0	18,833	-18,833	5,705	488	5,217
Biodiesel	289	3	286	3	929	-926	353	73	281
Renewable Diesel Fuel	0	0	-	0	0	-	0	0	-
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	3,943	43	3,900	881	1,350	-469	377	3,427	-3,050
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	0	0	-
Conventional	3,943	43	3,900	881	1,350	-469	377	3,427	-3,050
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	3,943	43	3,900	881	1,350	-469	377	3,427	-3,050
Finished Aviation Gasoline	31	0	31	42	0	42	0	73	-73
Kerosene-Type Jet Fuel	12,462	268	12,194	1,685	873	812	0	14,013	-14,013
Kerosene	81	13	68	13	0	13	0	81	-81
Distillate Fuel Oil	30,419	2,450	27,969	4,775	2,675	2,100	1,060	32,322	-31,262
15 ppm sulfur and under	29,396	2,450	26,946	4,640	2,675	1,965	1,060	31,164	-30,104
Greater than 15 ppm to 500 ppm sulfur	0	0	-	135	0	135	0	135	-135
Greater than 500 ppm sulfur	1,023	0	1,023	0	0	-	0	1,023	-1,023
Residual Fuel Oil	92	0	92	0	1,028	-1,028	1,028	92	936
Petrochemical Feedstocks	0	0	-	0	64	-64	64	0	64
Naphtha for Petrochemical Feedstock Use	0	0	-	0	42	-42	42	0	42
Other Oils for Petrochemical Feedstock Use	-	-	-	0	22	-22	22	0	22
Special Naphthas	0	0	-	43	0	43	0	43	-43
Lubricants	541	0	541	254	59	195	20	756	-736
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	81	12	69	220	1,669	-1,449	1,722	35	1,686
Asphalt and Road Oil	863	46	817	157	989	-831	423	418	4
Miscellaneous Products	0	0	-	9	0	9	0	9	-9
Total	130,936	15,026	115,910	91,310	150,191	-58,881	107,291	143,916	-36,626

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, January 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,864	26,221	-19,357	1,837	0	1,837
Petroleum Products	12,549	27,316	-14,767	12,020	137	11,884
Natural Gas Liquids	8,793	23,533	-14,740	1,781	0	1,781
Ethane	2,473	7,500	-5,027	0	0	-
Propane	3,322	8,337	-5,015	613	0	613
Normal Butane	1,382	3,268	-1,886	1,031	0	1,031
Isobutane	495	1,549	-1,054	138	0	138
Natural Gasoline	1,121	2,880	-1,759	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	1,890	1,544	346	4,491	0	4,491
Reformulated - RBOB	-	-	-	1,689	0	1,689
Conventional	1,890	1,544	346	2,802	0	2,802
CBOB	1,890	1,544	346	2,802	0	2,802
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	364	91	274	3,445	3	3,442
Fuel Ethanol	350	91	259	3,096	0	3,096
Biodiesel	14	0	14	349	3	346
Renewable Diesel Fuel	0	0	-	0	0	-
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	99	563	-464	83	0	83
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	99	563	-464	83	0	83
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	99	563	-464	83	0	83
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	775	29	746	261	0	261
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	572	838	-266	1,459	0	1,459
15 ppm sulfur and under	572	838	-266	1,459	0	1,459
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	0	0	-
Marketable Petroleum Coke	23	313	-290	84	101	-17
Asphalt and Road Oil	33	405	-372	415	33	383
Miscellaneous Products	0	0	-	0	0	-
Total	19,413	53,537	-34,124	13,857	137	13,720

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms EIA-812, "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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, February 2022
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,395	293	2,102	34,282	56,374	-22,092	48,240	13,037	35,202
Petroleum Products	114,799	14,059	100,740	49,387	76,697	-27,310	47,395	118,528	-71,133
Natural Gas Liquids	8,507	6,201	2,306	34,122	42,924	-8,803	32,676	13,412	19,264
Ethane	0	4,468	-4,468	10,908	15,374	-4,466	15,160	1,259	13,901
Propane	6,980	888	6,092	9,314	17,034	-7,720	10,275	4,521	5,754
Normal Butane	1,405	194	1,211	3,234	5,657	-2,422	3,019	605	2,414
Isobutane	122	428	-306	2,734	1,717	1,017	1,518	1,428	90
Natural Gasoline	0	223	-223	7,931	3,143	4,788	2,704	5,599	-2,895
Refinery Olefins	214	0	214	0	735	-735	520	0	520
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	214	0	214	0	735	-735	520	0	520
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	50	21	29	149	929	-780	929	178	751
Motor Gasoline Blending Components	51,824	5,085	46,739	8,196	4,779	3,417	2,208	56,784	-54,576
Reformulated - RBOB	6,440	0	6,440	375	206	169	206	8,408	-8,202
Conventional	45,384	5,085	40,299	7,821	4,573	3,248	2,002	48,376	-46,374
CBOB	44,729	5,085	39,644	7,695	4,413	3,282	1,842	47,595	-45,753
GTAB	0	0	-	-	-	-	-	-	-
Other	655	0	655	126	160	-34	160	781	-621
Biofuels (including Fuel Ethanol)	7,194	18	7,176	15	18,726	-18,711	7,486	589	6,897
Fuel Ethanol	6,998	0	6,998	0	17,982	-17,982	7,185	297	6,888
Biodiesel	196	18	178	15	744	-729	301	36	264
Renewable Diesel Fuel	0	0	-	0	0	-	0	255	-255
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	3,445	43	3,402	668	1,244	-576	125	2,637	-2,512
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	0	0	-
Conventional	3,445	43	3,402	668	1,244	-576	125	2,637	-2,512
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	3,445	43	3,402	668	1,244	-576	125	2,637	-2,512
Finished Aviation Gasoline	125	0	125	12	0	12	0	137	-137
Kerosene-Type Jet Fuel	12,487	268	12,219	1,724	644	1,080	30	13,950	-13,920
Kerosene	81	13	68	13	0	13	0	81	-81
Distillate Fuel Oil	28,852	2,371	26,481	3,984	3,600	384	1,449	29,505	-28,056
15 ppm sulfur and under	27,812	2,371	25,441	3,930	3,600	330	1,449	28,411	-26,962
Greater than 15 ppm to 500 ppm sulfur	0	0	-	54	0	54	0	54	-54
Greater than 500 ppm sulfur	1,040	0	1,040	0	0	-	0	1,040	-1,040
Residual Fuel Oil	80	0	80	0	550	-550	550	80	470
Petrochemical Feedstocks	0	0	-	10	84	-74	84	10	74
Naphtha for Petrochemical Feedstock Use	0	0	-	0	84	-84	84	0	84
Other Oils for Petrochemical Feedstock Use	0	0	-	10	0	10	0	10	-10
Special Naphthas	0	0	-	30	0	30	0	30	-30
Lubricants	447	0	447	202	0	202	0	649	-649
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	535	3	532	26	1,220	-1,194	810	19	791
Asphalt and Road Oil	957	36	921	226	1,262	-1,037	528	456	72
Miscellaneous Products	0	0	-	11	0	11	0	11	-11
Total	117,194	14,352	102,842	83,669	133,071	-49,402	95,635	131,565	-35,930

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, February 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,020	22,937	-16,917	1,705	0	1,705
Petroleum Products	11,341	25,529	-14,188	11,963	73	11,890
Natural Gas Liquids	8,078	22,304	-14,226	1,459	0	1,459
Ethane	2,162	7,129	-4,967	0	0	-
Propane	3,150	7,808	-4,658	532	0	532
Normal Butane	1,289	3,157	-1,868	666	0	666
Isobutane	461	1,524	-1,063	261	0	261
Natural Gasoline	1,016	2,686	-1,670	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	1,486	1,387	99	4,321	0	4,321
Reformulated - RBOB	-	-	-	1,593	0	1,593
Conventional	1,486	1,387	99	2,728	0	2,728
CBOB	1,486	1,387	99	2,728	0	2,728
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	282	65	217	4,421	0	4,421
Fuel Ethanol	259	65	194	3,902	0	3,902
Biodiesel	23	0	23	264	0	264
Renewable Diesel Fuel	0	0	-	255	0	255
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	84	466	-382	68	0	68
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	84	466	-382	68	0	68
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	84	466	-382	68	0	68
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	528	32	496	125	0	125
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	852	728	124	1,067	0	1,067
15 ppm sulfur and under	852	728	124	1,067	0	1,067
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	-	-	-	-	-	-
Naphtha for Petrochemical Feedstock Use	-	-	-	-	-	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	16	152	-135	71	65	6
Asphalt and Road Oil	15	395	-380	430	8	423
Miscellaneous Products	0	0	-	0	0	-
Total	17,361	48,466	-31,104	13,667	73	13,595

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms EIA-812, "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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, March 2022
(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	4,549	358	4,191	45,188	67,643	-22,455	56,584	22,417	34,167
Petroleum Products	124,998	16,731	108,267	55,512	89,140	-33,628	53,395	124,703	-71,308
Natural Gas Liquids	9,226	6,777	2,448	38,200	54,009	-15,809	40,287	11,713	28,573
Ethane	0	4,937	-4,937	13,662	20,412	-6,750	19,194	1,390	17,804
Propane	7,271	912	6,358	10,020	20,413	-10,393	11,989	3,213	8,776
Normal Butane	1,781	305	1,476	3,688	7,447	-3,759	4,352	424	3,928
Isobutane	174	388	-214	2,717	2,159	558	1,791	1,249	542
Natural Gasoline	0	235	-235	8,113	3,578	4,535	2,961	5,438	-2,477
Refinery Olefins	367	0	367	0	882	-882	515	0	515
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	367	0	367	0	882	-882	515	0	515
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	60	0	60	729	1,639	-910	1,639	789	850
Motor Gasoline Blending Components	58,975	6,327	52,648	8,804	5,256	3,548	1,834	63,272	-61,438
Reformulated - RBOB	7,394	0	7,394	365	113	252	113	9,658	-9,545
Conventional	51,581	6,327	45,254	8,439	5,143	3,296	1,721	53,614	-51,893
CBOB	50,178	6,327	43,851	8,297	4,994	3,303	1,572	52,069	-50,497
GTAB	0	0	-	-	-	-	-	-	-
Other	1,403	0	1,403	142	149	-7	149	1,545	-1,396
Biofuels (including Fuel Ethanol)	9,124	0	9,124	0	18,794	-18,794	5,678	1,022	4,656
Fuel Ethanol	8,835	0	8,835	0	17,852	-17,852	5,319	463	4,856
Biodiesel	289	0	289	0	942	-942	359	94	265
Renewable Diesel Fuel	-	-	-	0	0	-	0	465	-465
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	3,544	79	3,465	646	1,028	-382	0	2,810	-2,810
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	0	0	-
Conventional	3,544	79	3,465	646	1,028	-382	0	2,810	-2,810
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	3,544	79	3,465	646	1,028	-382	0	2,810	-2,810
Finished Aviation Gasoline	37	0	37	0	0	-	0	37	-37
Kerosene-Type Jet Fuel	13,277	363	12,914	1,608	779	829	0	14,585	-14,585
Kerosene	36	0	36	0	0	-	0	36	-36
Distillate Fuel Oil	28,145	3,167	24,978	4,708	3,021	1,687	800	28,860	-28,060
15 ppm sulfur and under	27,307	3,167	24,140	4,622	3,021	1,601	800	27,936	-27,136
Greater than 15 ppm to 500 ppm sulfur	1	0	1	86	0	86	0	87	-87
Greater than 500 ppm sulfur	837	0	837	0	0	-	0	837	-837
Residual Fuel Oil	0	0	-	0	860	-860	860	0	860
Petrochemical Feedstocks	0	0	-	25	67	-42	67	25	42
Naphtha for Petrochemical Feedstock Use	0	0	-	0	22	-22	22	0	22
Other Oils for Petrochemical Feedstock Use	-	-	-	25	45	-20	45	25	20
Special Naphthas	0	0	-	29	0	29	0	29	-29
Lubricants	540	0	540	198	71	127	127	698	-571
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	386	18	369	169	1,279	-1,110	1,029	26	1,004
Asphalt and Road Oil	1,281	0	1,281	387	1,456	-1,069	560	791	-231
Miscellaneous Products	0	0	-	10	0	10	0	10	-10
Total	129,548	17,089	112,459	100,700	156,783	-56,083	109,979	147,120	-37,141

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, March 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,922	25,682	-18,760	2,857	0	2,857
Petroleum Products	14,062	29,769	-15,707	12,596	220	12,376
Natural Gas Liquids	10,153	26,264	-16,111	899	0	899
Ethane	3,206	9,323	-6,117	0	0	-
Propane	3,702	8,871	-5,169	428	0	428
Normal Butane	1,503	3,420	-1,917	272	0	272
Isobutane	541	1,626	-1,085	199	0	199
Natural Gasoline	1,201	3,024	-1,823	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	1,916	1,285	631	4,611	0	4,611
Reformulated - RBOB	-	-	-	1,899	0	1,899
Conventional	1,916	1,285	631	2,712	0	2,712
CBOB	1,916	1,285	631	2,712	0	2,712
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	397	68	329	4,685	0	4,685
Fuel Ethanol	377	68	309	3,853	0	3,853
Biodiesel	20	0	20	367	0	367
Renewable Diesel Fuel	0	0	-	465	0	465
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	109	478	-369	96	0	96
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	109	478	-369	96	0	96
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	109	478	-369	96	0	96
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	708	40	668	174	0	174
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	735	747	-12	1,407	0	1,407
15 ppm sulfur and under	735	747	-12	1,407	0	1,407
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	96	-96
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	26	232	-206	58	114	-56
Asphalt and Road Oil	18	655	-637	666	10	656
Miscellaneous Products	0	0	-	0	0	-
Total	20,984	55,451	-34,467	15,452	220	15,232

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: 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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, April 2022
(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	4,300	1,031	3,269	41,690	58,301	-16,611	49,411	18,632	30,779
Petroleum Products	115,007	15,972	99,036	53,580	84,619	-31,039	51,905	118,938	-67,033
Natural Gas Liquids	8,996	7,789	1,207	36,771	52,077	-15,306	40,120	11,335	28,784
Ethane	0	5,679	-5,679	13,313	20,099	-6,786	19,361	1,184	18,177
Propane	6,961	965	5,997	8,978	19,539	-10,561	11,722	2,606	9,116
Normal Butane	1,901	394	1,507	3,337	7,132	-3,795	4,280	376	3,904
Isobutane	134	499	-366	2,695	1,971	725	1,806	1,163	642
Natural Gasoline	0	252	-252	8,447	3,336	5,111	2,951	6,006	-3,055
Refinery Olefins	403	0	403	0	878	-878	476	0	476
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	403	0	403	0	878	-878	476	0	476
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	31	37	-6	829	748	81	748	823	-75
Motor Gasoline Blending Components	55,044	5,211	49,833	8,762	4,831	3,931	1,697	60,549	-58,852
Reformulated - RBOB	7,682	0	7,682	1,252	0	1,252	0	10,847	-10,847
Conventional	47,362	5,211	42,151	7,510	4,831	2,679	1,697	49,702	-48,005
CBOB	46,579	5,211	41,368	7,008	4,806	2,202	1,672	48,417	-46,745
GTAB	0	0	-	-	-	-	-	-	-
Other	783	0	783	502	25	477	25	1,285	-1,260
Biofuels (including Fuel Ethanol)	7,104	0	7,104	0	18,118	-18,118	5,971	1,028	4,943
Fuel Ethanol	6,862	0	6,862	0	17,288	-17,288	5,721	493	5,228
Biodiesel	242	0	242	0	831	-831	250	64	186
Renewable Diesel Fuel	-	-	-	0	0	-	0	471	-471
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,190	64	2,126	956	984	-28	0	2,030	-2,030
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	0	0	-	0	0	-
Conventional	2,190	64	2,126	956	984	-28	0	2,030	-2,030
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	2,190	64	2,126	956	984	-28	0	2,030	-2,030
Finished Aviation Gasoline	116	0	116	25	0	25	0	141	-141
Kerosene-Type Jet Fuel	13,100	321	12,779	1,581	864	717	30	14,565	-14,535
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	26,205	2,544	23,661	3,949	3,243	706	849	26,869	-26,020
15 ppm sulfur and under	25,457	2,544	22,913	3,740	3,243	497	849	25,912	-25,063
Greater than 15 ppm to 500 ppm sulfur	65	0	65	209	0	209	0	274	-274
Greater than 500 ppm sulfur	683	0	683	0	0	-	0	683	-683
Residual Fuel Oil	0	0	-	0	664	-664	664	0	664
Petrochemical Feedstocks	0	0	-	0	97	-97	97	0	97
Naphtha for Petrochemical Feedstock Use	0	0	-	0	97	-97	97	0	97
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	21	0	21	0	21	-21
Lubricants	706	0	706	222	39	183	118	911	-793
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	214	6	208	252	685	-433	531	32	498
Asphalt and Road Oil	898	0	898	208	1,390	-1,182	605	629	-24
Miscellaneous Products	0	0	-	5	0	5	0	5	-5
Total	119,308	17,003	102,305	95,270	142,919	-47,649	101,316	137,570	-36,255

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, April 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,321	25,839	-20,518	3,081	0	3,081
Petroleum Products	12,393	26,337	-13,944	13,161	181	12,980
Natural Gas Liquids	8,472	23,723	-15,251	566	0	566
Ethane	2,740	8,452	-5,712	0	0	-
Propane	3,034	7,897	-4,863	312	0	312
Normal Butane	1,264	3,086	-1,822	205	0	205
Isobutane	460	1,510	-1,050	49	0	49
Natural Gasoline	974	2,778	-1,804	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	1,826	1,181	645	4,443	0	4,443
Reformulated - RBOB	-	-	-	1,913	0	1,913
Conventional	1,826	1,181	645	2,530	0	2,530
CBOB	1,826	1,181	645	2,530	0	2,530
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	440	39	401	5,670	0	5,670
Fuel Ethanol	417	39	378	4,819	0	4,819
Biodiesel	23	0	23	380	0	380
Renewable Diesel Fuel	0	0	-	471	0	471
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	108	284	-176	108	0	108
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	108	284	-176	108	0	108
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	108	284	-176	108	0	108
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	748	80	668	371	0	371
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	750	410	340	1,313	0	1,313
15 ppm sulfur and under	750	410	340	1,313	0	1,313
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	96	-96
Waxes	-	-	-	0	0	-
Marketable Petroleum Coke	16	277	-260	62	75	-13
Asphalt and Road Oil	33	343	-310	628	10	618
Miscellaneous Products	0	0	-	0	0	-
Total	17,714	52,175	-34,461	16,241	181	16,060

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms EIA-812, "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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, May 2022
(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	3,680	1,294	2,386	45,911	62,609	-16,698	55,286	22,897	32,388
Petroleum Products	125,164	16,959	108,205	59,822	88,011	-28,189	51,304	129,855	-78,551
Natural Gas Liquids	9,047	7,095	1,953	39,997	53,132	-13,134	39,428	13,233	26,194
Ethane	0	4,941	-4,941	13,104	20,268	-7,164	19,170	1,242	17,928
Propane	6,922	1,078	5,844	9,753	19,654	-9,902	11,058	2,375	8,683
Normal Butane	1,984	347	1,637	3,606	7,536	-3,930	4,430	371	4,059
Isobutane	141	438	-296	3,076	1,988	1,088	1,679	1,551	128
Natural Gasoline	0	291	-291	10,459	3,686	6,773	3,091	7,694	-4,603
Refinery Olefins	321	0	321	0	861	-861	540	0	540
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	321	0	321	0	861	-861	540	0	540
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	34	86	-52	638	862	-224	862	586	276
Motor Gasoline Blending Components	60,700	6,679	54,021	10,510	4,778	5,732	1,847	66,870	-65,023
Reformulated - RBOB	10,272	0	10,272	1,605	93	1,512	93	13,928	-13,835
Conventional	50,428	6,679	43,749	8,905	4,685	4,220	1,754	52,942	-51,188
CBOB	48,773	6,679	42,094	8,499	4,642	3,857	1,711	50,881	-49,170
GTAB	0	0	-	-	-	-	0	0	-
Other	1,655	0	1,655	406	43	363	43	2,061	-2,018
Biofuels (including Fuel Ethanol)	9,482	29	9,453	41	19,353	-19,312	5,367	920	4,447
Fuel Ethanol	9,383	0	9,383	0	18,654	-18,654	5,038	312	4,727
Biodiesel	99	29	70	41	700	-658	329	182	147
Renewable Diesel Fuel	-	-	-	0	0	-	0	427	-427
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,777	83	1,694	861	1,044	-183	99	1,458	-1,359
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	1,777	83	1,694	861	1,044	-183	99	1,458	-1,359
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	1,777	83	1,694	861	1,044	-183	99	1,458	-1,359
Finished Aviation Gasoline	58	0	58	25	52	-27	52	83	-31
Kerosene-Type Jet Fuel	17,424	374	17,050	1,656	848	808	23	18,852	-18,829
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	23,978	2,599	21,379	5,551	3,315	2,236	805	26,368	-25,563
15 ppm sulfur and under	23,036	2,599	20,437	5,251	3,315	1,936	805	25,126	-24,321
Greater than 15 ppm to 500 ppm sulfur	1	0	1	300	0	300	0	301	-301
Greater than 500 ppm sulfur	941	0	941	0	0	-	0	941	-941
Residual Fuel Oil	0	0	-	35	805	-770	805	35	770
Petrochemical Feedstocks	0	0	-	0	48	-48	48	0	48
Naphtha for Petrochemical Feedstock Use	0	0	-	0	48	-48	48	0	48
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	12	0	12	0	12	-12
Lubricants	535	0	535	228	0	228	20	763	-743
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	625	15	610	120	1,214	-1,094	720	123	597
Asphalt and Road Oil	1,183	0	1,183	147	1,699	-1,552	689	552	136
Miscellaneous Products	0	0	-	0	0	-	0	0	-
Total	128,844	18,253	110,591	105,733	150,620	-44,887	106,590	152,752	-46,163

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, May 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,819	26,355	-19,536	1,460	0	1,460
Petroleum Products	14,319	28,066	-13,747	12,473	190	12,282
Natural Gas Liquids	9,989	25,562	-15,573	561	0	561
Ethane	3,108	8,931	-5,823	0	0	-
Propane	3,593	8,526	-4,933	309	0	309
Normal Butane	1,549	3,413	-1,864	97	0	97
Isobutane	551	1,625	-1,074	155	0	155
Natural Gasoline	1,188	3,067	-1,879	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	1,823	1,149	674	4,596	0	4,596
Reformulated - RBOB	-	-	-	2,051	0	2,051
Conventional	1,823	1,149	674	2,545	0	2,545
CBOB	1,823	1,149	674	2,545	0	2,545
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	527	71	456	4,956	0	4,956
Fuel Ethanol	518	71	447	4,097	0	4,097
Biodiesel	9	0	9	432	0	432
Renewable Diesel Fuel	0	0	-	427	0	427
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	107	338	-231	79	0	79
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	107	338	-231	79	0	79
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	107	338	-231	79	0	79
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	758	62	696	275	0	275
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	983	336	647	1,301	0	1,301
15 ppm sulfur and under	983	336	647	1,301	0	1,301
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	20	-20
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	78	142	-64	91	140	-50
Asphalt and Road Oil	53	405	-352	615	30	584
Miscellaneous Products	0	0	-	0	0	-
Total	21,138	54,421	-33,283	13,932	190	13,742

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms 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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, June 2022
(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	3,356	369	2,987	48,772	58,735	-9,963	47,787	24,511	23,276
Petroleum Products	122,668	17,164	105,504	62,053	88,106	-26,054	52,646	130,582	-77,935
Natural Gas Liquids	7,896	7,106	790	37,956	54,739	-16,783	41,525	11,040	30,485
Ethane	0	5,153	-5,153	12,934	20,926	-7,992	19,887	1,047	18,840
Propane	6,201	947	5,253	9,620	19,311	-9,691	11,258	2,333	8,925
Normal Butane	1,535	318	1,217	3,729	8,005	-4,276	5,085	379	4,706
Isobutane	160	436	-275	2,424	2,261	163	1,759	841	918
Natural Gasoline	0	252	-252	9,250	4,236	5,014	3,536	6,440	-2,904
Refinery Olefins	323	0	323	0	821	-821	498	0	498
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	323	0	323	0	821	-821	498	0	498
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	26	25	1	611	777	-166	777	612	165
Motor Gasoline Blending Components	58,083	6,715	51,368	11,811	4,620	7,191	1,299	65,274	-63,975
Reformulated - RBOB	9,615	0	9,615	2,543	95	2,448	55	14,046	-13,991
Conventional	48,468	6,715	41,753	9,268	4,525	4,743	1,244	51,228	-49,984
CBOB	47,237	6,715	40,522	8,920	4,498	4,422	1,217	49,601	-48,384
GTAB	0	0	-	-	-	-	0	0	-
Other	1,231	0	1,231	348	27	321	27	1,627	-1,600
Biofuels (including Fuel Ethanol)	9,567	0	9,567	39	19,006	-18,967	5,068	1,123	3,945
Fuel Ethanol	9,470	0	9,470	0	18,402	-18,402	4,847	447	4,401
Biodiesel	97	0	97	39	605	-565	221	106	115
Renewable Diesel Fuel	-	-	-	0	0	-	0	570	-570
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,813	76	1,737	3,073	623	2,450	8	3,939	-3,931
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	1,813	76	1,737	3,073	623	2,450	8	3,939	-3,931
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	1,813	76	1,737	3,073	623	2,450	8	3,939	-3,931
Finished Aviation Gasoline	103	0	103	23	0	23	0	126	-126
Kerosene-Type Jet Fuel	14,471	287	14,184	2,148	872	1,276	60	16,417	-16,357
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	28,425	2,934	25,491	5,508	3,280	2,228	1,067	30,368	-29,301
15 ppm sulfur and under	27,467	2,934	24,533	5,358	3,280	2,078	1,067	29,260	-28,193
Greater than 15 ppm to 500 ppm sulfur	1	0	1	101	0	101	0	102	-102
Greater than 500 ppm sulfur	957	0	957	49	0	49	0	1,006	-1,006
Residual Fuel Oil	0	0	-	0	984	-984	984	0	984
Petrochemical Feedstocks	0	0	-	0	49	-49	49	0	49
Naphtha for Petrochemical Feedstock Use	0	0	-	0	49	-49	49	0	49
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	25	0	25	35	0	35	0	60	-60
Lubricants	564	0	564	248	9	239	9	812	-803
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	110	20	90	52	821	-769	793	42	751
Asphalt and Road Oil	1,261	0	1,261	540	1,505	-965	510	761	-251
Miscellaneous Products	0	0	-	8	0	8	0	8	-8
Total	126,023	17,533	108,491	110,825	146,841	-36,016	100,434	155,093	-54,659

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, June 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,357	26,761	-20,404	4,104	0	4,104
Petroleum Products	15,137	28,652	-13,515	12,214	214	12,000
Natural Gas Liquids	10,627	25,747	-15,120	628	0	628
Ethane	3,034	8,729	-5,695	0	0	-
Propane	3,909	8,715	-4,806	319	0	319
Normal Butane	1,732	3,589	-1,857	211	0	211
Isobutane	612	1,516	-904	99	0	99
Natural Gasoline	1,340	3,198	-1,858	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	2,223	1,184	1,039	4,377	0	4,377
Reformulated - RBOB	40	0	40	1,888	0	1,888
Conventional	2,183	1,184	999	2,489	0	2,489
CBOB	2,183	1,184	999	2,441	0	2,441
GTAB	-	-	-	-	-	-
Other	0	0	-	48	0	48
Biofuels (including Fuel Ethanol)	469	65	404	5,051	0	5,051
Fuel Ethanol	437	65	373	4,159	0	4,159
Biodiesel	32	0	32	322	0	322
Renewable Diesel Fuel	0	0	-	570	0	570
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	126	486	-360	104	0	104
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	126	486	-360	104	0	104
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-
Conventional Other	126	486	-360	104	0	104
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	740	27	713	184	0	184
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	812	664	148	1,434	0	1,434
15 ppm sulfur and under	812	664	148	1,434	0	1,434
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	117	19	98	29	199	-170
Asphalt and Road Oil	23	459	-437	407	15	392
Miscellaneous Products	0	0	-	0	0	-
Total	21,494	55,413	-33,919	16,318	214	16,104

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms 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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, July 2022
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,871	394	2,477	49,343	58,141	-8,798	49,082	24,700	24,383
Petroleum Products	116,400	17,452	98,948	66,680	89,915	-23,235	55,420	128,669	-73,248
Natural Gas Liquids	8,471	7,055	1,415	39,263	57,192	-17,929	43,284	11,249	32,035
Ethane	2	4,985	-4,983	13,240	21,478	-8,238	20,513	1,059	19,454
Propane	6,470	978	5,492	9,597	20,054	-10,457	11,686	2,038	9,648
Normal Butane	1,939	371	1,567	3,974	8,456	-4,481	5,065	387	4,678
Isobutane	60	417	-357	2,537	2,276	261	1,879	947	933
Natural Gasoline	0	304	-304	9,915	4,929	4,986	4,141	6,819	-2,678
Refinery Olefins	434	0	434	0	1,016	-1,016	582	0	582
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	434	0	434	0	1,016	-1,016	582	0	582
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	50	50	0	720	1,306	-586	1,306	996	310
Motor Gasoline Blending Components	57,153	7,233	49,920	14,311	4,531	9,780	1,278	66,220	-64,942
Reformulated - RBOB	9,871	0	9,871	3,672	0	3,672	0	15,412	-15,412
Conventional	47,282	7,233	40,049	10,639	4,531	6,108	1,278	50,808	-49,530
CBOB	46,655	7,233	39,422	10,325	4,454	5,871	1,201	49,867	-48,666
GTAB	0	0	-	-	-	-	-	-	-
Other	627	0	627	314	77	237	77	941	-864
Biofuels (including Fuel Ethanol)	7,337	16	7,321	47	17,353	-17,306	4,911	701	4,209
Fuel Ethanol	7,240	0	7,240	0	16,750	-16,750	4,700	274	4,426
Biodiesel	97	16	81	47	603	-556	210	86	124
Renewable Diesel Fuel	-	-	-	0	0	-	0	341	-341
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,735	73	1,662	3,537	909	2,628	204	4,284	-4,080
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	1,735	73	1,662	3,537	909	2,628	204	4,284	-4,080
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	1,735	73	1,662	3,537	909	2,628	204	4,284	-4,080
Finished Aviation Gasoline	44	0	44	0	0	-	0	44	-44
Kerosene-Type Jet Fuel	15,216	359	14,857	1,545	900	645	62	16,497	-16,435
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	23,774	2,619	21,155	6,396	2,866	3,530	1,073	26,977	-25,904
15 ppm sulfur and under	23,176	2,619	20,557	6,279	2,866	3,413	1,073	26,262	-25,189
Greater than 15 ppm to 500 ppm sulfur	0	0	-	117	0	117	0	117	-117
Greater than 500 ppm sulfur	598	0	598	0	0	-	0	598	-598
Residual Fuel Oil	0	0	-	0	687	-687	687	0	687
Petrochemical Feedstocks	0	0	-	0	117	-117	117	0	117
Naphtha for Petrochemical Feedstock Use	0	0	-	0	94	-94	94	0	94
Other Oils for Petrochemical Feedstock Use	0	0	-	0	23	-23	23	0	23
Special Naphthas	0	0	-	24	50	-26	50	24	26
Lubricants	541	0	541	190	9	181	9	731	-722
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	272	9	263	199	1,465	-1,266	1,302	80	1,222
Asphalt and Road Oil	1,373	38	1,335	437	1,514	-1,078	556	854	-297
Miscellaneous Products	0	0	-	12	0	12	0	12	-12
Total	119,271	17,846	101,425	116,023	148,056	-32,033	104,503	153,368	-48,866

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, July 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,465	26,583	-20,118	2,057	0	2,057
Petroleum Products	14,934	30,325	-15,391	13,175	247	12,927
Natural Gas Liquids	10,686	26,968	-16,282	762	0	762
Ethane	3,061	9,294	-6,233	0	0	-
Propane	3,855	8,909	-5,054	371	0	371
Normal Butane	1,747	3,775	-2,028	264	0	264
Isobutane	609	1,572	-963	127	0	127
Natural Gasoline	1,414	3,418	-2,004	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	-	276	0	276
Motor Gasoline Blending Components	2,213	1,287	926	4,316	0	4,316
Reformulated - RBOB	-	-	-	1,869	0	1,869
Conventional	2,213	1,287	926	2,447	0	2,447
CBOB	2,213	1,287	926	2,447	0	2,447
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	420	66	354	5,440	19	5,421
Fuel Ethanol	386	66	320	4,764	0	4,764
Biodiesel	34	0	34	335	19	317
Renewable Diesel Fuel	0	0	-	341	0	341
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	106	381	-275	65	0	65
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	106	381	-275	65	0	65
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-
Conventional Other	106	381	-275	65	0	65
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	710	50	660	273	0	273
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	611	795	-184	1,403	0	1,403
15 ppm sulfur and under	611	795	-184	1,403	0	1,403
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	-	-	-
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	0	0	-
Marketable Petroleum Coke	155	290	-135	122	206	-84
Asphalt and Road Oil	33	488	-455	518	23	495
Miscellaneous Products	0	0	-	0	0	-
Total	21,399	56,909	-35,510	15,231	247	14,984

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms EIA-812, "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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, August 2022
(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	3,226	386	2,840	49,034	63,848	-14,814	54,918	24,840	30,078
Petroleum Products	123,971	17,366	106,605	63,301	93,265	-29,964	55,886	131,120	-75,235
Natural Gas Liquids	8,697	7,877	820	41,459	57,747	-16,288	43,313	13,335	29,978
Ethane	57	5,724	-5,667	13,811	21,132	-7,321	19,555	1,315	18,240
Propane	6,722	1,017	5,705	10,436	21,131	-10,696	12,781	3,161	9,620
Normal Butane	1,841	378	1,463	4,068	8,054	-3,986	4,805	507	4,298
Isobutane	77	506	-429	2,555	2,268	288	1,862	858	1,003
Natural Gasoline	0	253	-253	10,589	5,162	5,427	4,310	7,493	-3,183
Refinery Olefins	305	0	305	0	899	-899	594	0	594
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	305	0	305	0	899	-899	594	0	594
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	83	41	42	554	1,303	-749	1,303	596	707
Motor Gasoline Blending Components	60,635	6,168	54,467	10,900	4,797	6,103	1,565	67,143	-65,578
Reformulated - RBOB	11,497	0	11,497	1,799	0	1,799	0	15,250	-15,250
Conventional	49,138	6,168	42,970	9,101	4,797	4,304	1,565	51,893	-50,328
CBOB	48,070	6,168	41,902	8,903	4,495	4,408	1,263	50,627	-49,364
GTAB	0	0	-	-	-	-	-	-	-
Other	1,068	0	1,068	198	302	-104	302	1,266	-964
Biofuels (including Fuel Ethanol)	8,990	0	8,990	34	19,829	-19,796	5,623	1,424	4,199
Fuel Ethanol	8,906	0	8,906	0	19,275	-19,275	5,463	627	4,836
Biodiesel	84	0	84	34	554	-521	160	92	67
Renewable Diesel Fuel	-	-	-	0	0	-	0	704	-704
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,110	106	2,004	1,884	883	1,001	6	2,731	-2,725
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	2,110	106	2,004	1,884	883	1,001	6	2,731	-2,725
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	2,110	106	2,004	1,884	883	1,001	6	2,731	-2,725
Finished Aviation Gasoline	41	0	41	50	0	50	0	91	-91
Kerosene-Type Jet Fuel	15,800	375	15,425	1,432	840	592	30	17,060	-17,030
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	24,912	2,786	22,126	6,034	2,887	3,147	790	27,147	-26,357
15 ppm sulfur and under	24,110	2,786	21,324	5,959	2,887	3,072	790	26,270	-25,480
Greater than 15 ppm to 500 ppm sulfur	1	0	1	75	0	75	0	76	-76
Greater than 500 ppm sulfur	801	0	801	0	0	-	0	801	-801
Residual Fuel Oil	93	0	93	0	874	-874	874	93	781
Petrochemical Feedstocks	0	0	-	0	71	-71	71	0	71
Naphtha for Petrochemical Feedstock Use	0	0	-	0	48	-48	48	0	48
Other Oils for Petrochemical Feedstock Use	0	0	-	0	23	-23	23	0	23
Special Naphthas	0	0	-	37	100	-63	100	37	63
Lubricants	441	0	441	220	23	197	23	661	-638
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	512	12	500	216	1,534	-1,317	1,139	41	1,097
Asphalt and Road Oil	1,352	0	1,352	481	1,478	-997	456	761	-305
Miscellaneous Products	0	0	-	0	0	-	0	0	-
Total	127,196	17,752	109,445	112,335	157,113	-44,778	110,804	155,960	-45,157

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, August 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,195	26,662	-20,467	2,363	0	2,363
Petroleum Products	15,449	30,083	-14,635	13,364	136	13,228
Natural Gas Liquids	11,446	26,577	-15,131	622	0	622
Ethane	3,400	8,652	-5,252	0	0	—
Propane	4,063	9,000	-4,937	308	0	308
Normal Butane	1,825	3,819	-1,994	219	0	219
Isobutane	633	1,590	-957	95	0	95
Natural Gasoline	1,525	3,516	-1,991	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	1,765	1,395	370	4,638	0	4,638
Reformulated - RBOB	—	—	—	1,954	0	1,954
Conventional	1,765	1,395	370	2,684	0	2,684
CBOB	1,765	1,395	370	2,684	0	2,684
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	464	52	411	6,199	3	6,196
Fuel Ethanol	440	52	387	5,146	0	5,146
Biodiesel	24	0	24	349	3	346
Renewable Diesel Fuel	0	0	—	704	0	704
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	105	466	-361	81	0	81
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	105	466	-361	81	0	81
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	105	466	-361	81	0	81
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	735	44	691	322	0	322
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	860	694	166	918	0	918
15 ppm sulfur and under	860	694	166	918	0	918
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	0	0	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	61	374	-313	158	125	33
Asphalt and Road Oil	13	481	-468	426	8	418
Miscellaneous Products	0	0	—	0	0	—
Total	21,644	56,745	-35,101	15,727	136	15,591

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms 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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, September 2022
(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	3,928	392	3,536	42,822	62,377	-19,555	52,452	20,035	32,417
Petroleum Products	120,145	18,006	102,139	58,383	84,571	-26,187	47,955	121,191	-73,236
Natural Gas Liquids	9,464	7,522	1,942	36,653	52,422	-15,769	37,450	9,934	27,516
Ethane	201	5,551	-5,350	13,185	18,723	-5,538	16,539	1,219	15,320
Propane	7,091	981	6,110	10,107	19,145	-9,038	10,873	3,353	7,520
Normal Butane	2,086	228	1,857	3,843	7,378	-3,535	4,038	517	3,520
Isobutane	87	473	-387	2,576	2,136	440	1,755	983	773
Natural Gasoline	0	288	-288	6,942	5,040	1,902	4,245	3,862	383
Refinery Olefins	282	0	282	0	783	-783	501	0	501
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	282	0	282	0	783	-783	501	0	501
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	35	41	-6	122	795	-673	795	116	679
Motor Gasoline Blending Components	57,420	7,098	50,322	11,141	4,598	6,543	1,153	63,109	-61,956
Reformulated - RBOB	7,553	0	7,553	877	98	779	98	10,370	-10,272
Conventional	49,867	7,098	42,769	10,264	4,500	5,764	1,055	52,739	-51,684
CBOB	49,355	7,098	42,257	9,901	4,447	5,454	1,002	51,864	-50,862
GTAB	0	0	-	-	-	-	-	-	-
Other	512	0	512	363	53	310	53	875	-822
Biofuels (including Fuel Ethanol)	9,743	0	9,743	0	18,765	-18,765	5,079	632	4,447
Fuel Ethanol	9,596	0	9,596	0	18,109	-18,109	4,938	240	4,699
Biodiesel	148	0	148	0	657	-657	140	59	82
Renewable Diesel Fuel	-	-	-	0	0	-	0	334	-334
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,314	73	1,241	2,280	430	1,850	102	2,911	-2,809
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	1,314	73	1,241	2,280	430	1,850	102	2,911	-2,809
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	1,314	73	1,241	2,280	430	1,850	102	2,911	-2,809
Finished Aviation Gasoline	116	0	116	45	0	45	0	161	-161
Kerosene-Type Jet Fuel	14,003	327	13,676	1,015	868	147	30	14,724	-14,694
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,916	2,930	22,986	6,305	2,691	3,614	658	28,255	-27,597
15 ppm sulfur and under	25,111	2,930	22,181	6,214	2,691	3,523	658	27,359	-26,701
Greater than 15 ppm to 500 ppm sulfur	1	0	1	91	0	91	0	92	-92
Greater than 500 ppm sulfur	804	0	804	0	0	-	0	804	-804
Residual Fuel Oil	0	0	-	0	835	-835	835	0	835
Petrochemical Feedstocks	0	0	-	50	69	-19	69	50	19
Naphtha for Petrochemical Feedstock Use	0	0	-	50	44	6	44	50	-6
Other Oils for Petrochemical Feedstock Use	0	0	-	0	25	-25	25	0	25
Special Naphthas	0	0	-	15	45	-30	45	15	30
Lubricants	393	0	393	189	10	179	10	582	-572
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	369	3	366	57	917	-859	648	19	629
Asphalt and Road Oil	1,090	13	1,078	503	1,342	-840	580	675	-95
Miscellaneous Products	0	0	-	8	0	8	0	8	-8
Total	124,073	18,398	105,675	101,205	146,948	-45,742	100,407	141,226	-40,819

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, September 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,204	25,410	-19,206	2,808	0	2,808
Petroleum Products	14,893	28,320	-13,426	10,844	133	10,711
Natural Gas Liquids	10,836	25,121	-14,285	595	0	595
Ethane	3,206	7,638	-4,432	0	0	-
Propane	3,872	8,756	-4,884	292	0	292
Normal Butane	1,708	3,737	-2,029	186	0	186
Isobutane	597	1,540	-943	117	0	117
Natural Gasoline	1,453	3,450	-1,997	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	2,030	1,123	907	4,184	0	4,184
Reformulated - RBOB	-	-	-	1,940	0	1,940
Conventional	2,030	1,123	907	2,244	0	2,244
CBOB	2,030	1,123	907	2,244	0	2,244
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	465	46	419	4,157	0	4,157
Fuel Ethanol	423	46	377	3,438	0	3,438
Biodiesel	42	0	42	385	0	385
Renewable Diesel Fuel	0	0	-	334	0	334
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	125	516	-391	109	0	109
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	125	516	-391	109	0	109
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	125	516	-391	109	0	109
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	684	58	626	245	0	245
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	728	764	-36	1,033	0	1,033
15 ppm sulfur and under	728	764	-36	1,033	0	1,033
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	-	-	-	-	-	-
Naphtha for Petrochemical Feedstock Use	-	-	-	-	-	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	0	0	-
Marketable Petroleum Coke	13	80	-67	56	125	-69
Asphalt and Road Oil	13	612	-599	465	8	457
Miscellaneous Products	0	0	-	0	0	-
Total	21,097	53,730	-32,633	13,652	133	13,519

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: 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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, October 2022
(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	3,705	372	3,333	46,410	62,214	-15,804	53,928	21,955	31,973
Petroleum Products	127,460	17,895	109,565	59,053	85,379	-26,326	48,991	131,274	-82,283
Natural Gas Liquids	9,277	7,872	1,405	38,352	51,605	-13,253	37,051	11,052	25,999
Ethane	114	5,712	-5,598	13,765	18,220	-4,455	16,503	1,237	15,266
Propane	7,423	1,093	6,330	10,865	19,141	-8,276	10,756	4,161	6,595
Normal Butane	1,658	273	1,385	4,159	7,091	-2,932	3,829	775	3,054
Isobutane	82	526	-444	2,697	2,138	559	1,772	1,073	699
Natural Gasoline	0	268	-268	6,866	5,015	1,851	4,192	3,807	385
Refinery Olefins	307	0	307	0	674	-674	367	0	367
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	307	0	307	0	674	-674	367	0	367
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	10	40	-30	75	1,064	-989	1,064	45	1,019
Motor Gasoline Blending Components	59,830	6,770	53,060	10,226	4,769	5,457	1,628	65,867	-64,239
Reformulated - RBOB	6,656	0	6,656	1,058	273	785	273	9,858	-9,585
Conventional	53,174	6,770	46,404	9,168	4,496	4,672	1,355	56,009	-54,654
CBOB	52,314	6,770	45,544	9,110	4,391	4,719	1,250	55,091	-53,841
GTAB	0	0	-	-	-	-	0	0	-
Other	860	0	860	58	105	-47	105	918	-813
Biofuels (including Fuel Ethanol)	8,992	0	8,992	0	19,230	-19,230	5,779	1,265	4,515
Fuel Ethanol	8,851	0	8,851	0	18,429	-18,429	5,546	639	4,907
Biodiesel	141	0	141	0	801	-801	234	95	138
Renewable Diesel Fuel	-	-	-	0	0	-	0	530	-530
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,409	92	2,317	2,229	585	1,644	31	3,674	-3,643
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	2,409	92	2,317	2,229	585	1,644	31	3,674	-3,643
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	2,409	92	2,317	2,229	585	1,644	31	3,674	-3,643
Finished Aviation Gasoline	117	0	117	45	0	45	0	162	-162
Kerosene-Type Jet Fuel	14,921	405	14,516	1,097	999	98	0	15,600	-15,600
Kerosene	37	0	37	0	0	-	0	37	-37
Distillate Fuel Oil	29,510	2,661	26,849	6,255	3,438	2,817	1,250	32,254	-31,004
15 ppm sulfur and under	28,614	2,661	25,953	6,230	3,438	2,792	1,250	31,333	-30,083
Greater than 15 ppm to 500 ppm sulfur	1	0	1	25	0	25	0	26	-26
Greater than 500 ppm sulfur	895	0	895	0	0	-	0	895	-895
Residual Fuel Oil	0	0	-	1	813	-812	813	1	812
Petrochemical Feedstocks	0	0	-	25	138	-113	138	25	113
Naphtha for Petrochemical Feedstock Use	0	0	-	25	138	-113	138	25	113
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	15	0	15	0	15	-15
Lubricants	389	0	389	161	0	161	0	550	-550
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	323	12	311	254	557	-304	484	169	315
Asphalt and Road Oil	1,338	43	1,295	312	1,507	-1,194	385	552	-166
Miscellaneous Products	0	0	-	6	0	6	0	6	-6
Total	131,165	18,267	112,898	105,463	147,594	-42,131	102,919	153,229	-50,310

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, October 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,408	28,074	-21,666	2,164	0	2,164
Petroleum Products	15,320	30,063	-14,743	13,877	90	13,787
Natural Gas Liquids	10,980	26,500	-15,520	1,369	0	1,369
Ethane	3,193	8,406	-5,213	—	—	—
Propane	4,033	9,142	-5,109	460	0	460
Normal Butane	1,695	3,936	-2,241	733	0	733
Isobutane	596	1,585	-989	176	0	176
Natural Gasoline	1,463	3,431	-1,968	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Normal Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	2,106	1,382	724	4,998	0	4,998
Reformulated - RBOB	—	—	—	2,144	0	2,144
Conventional	2,106	1,382	724	2,854	0	2,854
CBOB	2,106	1,382	724	2,854	0	2,854
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	468	43	426	5,298	0	5,298
Fuel Ethanol	440	43	397	4,275	0	4,275
Biodiesel	29	0	29	493	0	493
Renewable Diesel Fuel	0	0	—	530	0	530
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	114	524	-410	92	0	92
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	114	524	-410	92	0	92
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	114	524	-410	92	0	92
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	813	38	775	211	0	211
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	796	627	169	1,169	0	1,169
15 ppm sulfur and under	796	627	169	1,169	0	1,169
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	—	—	—
Other Oils for Petrochemical Feedstock Use	—	—	—	0	0	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	19	398	-378	133	77	56
Asphalt and Road Oil	23	552	-529	607	13	594
Miscellaneous Products	0	0	—	0	0	—
Total	21,728	58,137	-36,409	16,041	90	15,951

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms Pipeline 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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, November 2022
(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	3,454	290	3,164	41,963	66,489	-24,526	57,352	19,690	37,662
Petroleum Products	126,000	18,087	107,913	61,194	89,446	-28,251	51,375	130,475	-79,100
Natural Gas Liquids	10,912	7,871	3,041	41,358	54,377	-13,019	38,619	15,373	23,245
Ethane	114	5,814	-5,700	13,650	19,324	-5,674	17,704	1,367	16,337
Propane	8,454	1,061	7,393	10,363	20,318	-9,955	11,228	4,124	7,104
Normal Butane	2,267	281	1,986	3,946	7,980	-4,034	3,866	829	3,037
Isobutane	77	465	-387	3,095	2,105	991	1,899	1,553	346
Natural Gasoline	0	250	-250	10,304	4,650	5,654	3,922	7,501	-3,579
Refinery Olefins	157	0	157	0	485	-485	329	0	329
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	157	0	157	0	485	-485	329	0	329
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	20	-20	68	1,031	-963	1,031	48	983
Motor Gasoline Blending Components	57,508	7,090	50,418	10,777	4,781	5,996	1,838	63,162	-61,324
Reformulated - RBOB	6,523	0	6,523	699	282	417	282	9,193	-8,911
Conventional	50,985	7,090	43,895	10,078	4,499	5,579	1,556	53,969	-52,413
CBOB	50,169	7,090	43,079	10,078	4,292	5,786	1,349	53,153	-51,804
GTAB	0	0	-	-	-	-	-	-	-
Other	816	0	816	0	207	-207	207	816	-609
Biofuels (including Fuel Ethanol)	9,184	0	9,184	0	19,731	-19,731	5,667	1,091	4,577
Fuel Ethanol	9,064	0	9,064	0	18,899	-18,899	5,387	523	4,864
Biodiesel	120	0	120	0	832	-832	281	74	207
Renewable Diesel Fuel	-	-	-	0	0	-	0	494	-494
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,942	92	1,850	936	840	96	157	1,829	-1,672
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	1,942	92	1,850	936	840	96	157	1,829	-1,672
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	1,942	92	1,850	936	840	96	157	1,829	-1,672
Finished Aviation Gasoline	46	0	46	47	0	47	0	93	-93
Kerosene-Type Jet Fuel	14,876	405	14,471	1,924	1,133	791	28	16,208	-16,180
Kerosene	37	0	37	0	0	-	0	37	-37
Distillate Fuel Oil	29,584	2,534	27,050	5,283	3,300	1,983	967	31,260	-30,293
15 ppm sulfur and under	28,860	2,534	26,326	5,179	3,300	1,879	967	30,432	-29,465
Greater than 15 ppm to 500 ppm sulfur	1	0	1	104	0	104	0	105	-105
Greater than 500 ppm sulfur	723	0	723	0	0	-	0	723	-723
Residual Fuel Oil	0	0	-	0	1,179	-1,179	1,179	0	1,179
Petrochemical Feedstocks	0	0	-	26	155	-129	155	26	129
Naphtha for Petrochemical Feedstock Use	0	0	-	26	135	-109	135	26	109
Other Oils for Petrochemical Feedstock Use	-	-	-	0	20	-20	20	0	20
Special Naphthas	0	0	-	33	0	33	0	33	-33
Lubricants	336	0	336	198	49	149	29	514	-485
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	290	12	278	80	1,046	-966	800	35	765
Asphalt and Road Oil	1,128	63	1,065	458	1,338	-880	576	760	-184
Miscellaneous Products	0	0	-	6	0	6	0	6	-6
Total	129,454	18,377	111,077	103,157	155,935	-52,778	108,727	150,165	-41,438

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, November 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,765	25,629	-19,864	3,564	0	3,564
Petroleum Products	13,953	28,621	-14,668	14,248	141	14,106
Natural Gas Liquids	10,062	25,068	-15,006	1,738	0	1,738
Ethane	2,950	7,913	-4,963	—	—	—
Propane	3,690	8,697	-5,007	465	0	465
Normal Butane	1,551	3,657	-2,106	1,118	0	1,118
Isobutane	549	1,654	-1,105	156	0	156
Natural Gasoline	1,322	3,147	-1,825	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	1,666	1,465	201	4,709	0	4,709
Reformulated - RBOB	—	—	—	1,971	0	1,971
Conventional	1,666	1,465	201	2,738	0	2,738
CBOB	1,666	1,465	201	2,738	0	2,738
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	484	92	392	5,578	0	5,578
Fuel Ethanol	453	92	361	4,610	0	4,610
Biodiesel	31	0	31	474	0	474
Renewable Diesel Fuel	0	0	—	494	0	494
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	104	464	-360	86	0	86
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	104	464	-360	86	0	86
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	104	464	-360	86	0	86
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	721	353	368	550	0	550
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	867	760	107	1,153	0	1,153
15 ppm sulfur and under	867	760	107	1,153	0	1,153
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	0	0	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	—	—	—	0	0	—
Marketable Petroleum Coke	36	9	27	25	129	-103
Asphalt and Road Oil	13	410	-397	408	13	395
Miscellaneous Products	0	0	—	0	0	—
Total	19,718	54,250	-34,532	17,812	141	17,671

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms Pipeline 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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, December 2022
(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	3,925	564	3,361	46,902	62,818	-15,916	54,963	24,644	30,319
Petroleum Products	127,428	17,831	109,597	56,700	80,648	-23,948	45,146	130,935	-85,789
Natural Gas Liquids	10,258	7,459	2,799	38,549	46,746	-8,197	33,028	16,465	16,563
Ethane	505	5,376	-4,871	11,921	16,349	-4,428	14,663	1,346	13,317
Propane	7,973	1,061	6,912	9,169	17,379	-8,210	9,479	4,328	5,151
Normal Butane	1,670	324	1,347	3,996	7,036	-3,040	3,889	1,257	2,632
Isobutane	109	460	-351	2,461	1,989	472	1,620	1,032	588
Natural Gasoline	0	238	-238	11,002	3,993	7,009	3,377	8,502	-5,125
Refinery Olefins	267	0	267	0	800	-800	532	0	532
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	267	0	267	0	800	-800	532	0	532
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	15	63	-48	83	1,079	-996	1,079	35	1,044
Motor Gasoline Blending Components	57,547	7,153	50,394	10,094	4,825	5,269	1,597	62,406	-60,809
Reformulated - RBOB	6,696	0	6,696	519	285	234	285	9,246	-8,961
Conventional	50,851	7,153	43,698	9,575	4,540	5,035	1,312	53,160	-51,848
CBOB	50,013	7,153	42,860	9,575	4,493	5,082	1,265	52,322	-51,057
GTAB	0	0	-	-	-	-	-	-	-
Other	838	0	838	0	47	-47	47	838	-791
Biofuels (including Fuel Ethanol)	9,625	0	9,625	0	18,503	-18,503	4,973	1,006	3,967
Fuel Ethanol	9,368	0	9,368	0	17,487	-17,487	4,700	494	4,206
Biodiesel	256	0	256	0	1,016	-1,016	274	80	194
Renewable Diesel Fuel	-	-	-	0	0	-	0	432	-432
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,524	92	2,432	714	776	-62	117	2,149	-2,032
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	2,524	92	2,432	714	776	-62	117	2,149	-2,032
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	2,524	92	2,432	714	776	-62	117	2,149	-2,032
Finished Aviation Gasoline	50	0	50	0	0	-	0	50	-50
Kerosene-Type Jet Fuel	15,495	405	15,090	2,077	637	1,440	0	17,306	-17,306
Kerosene	37	0	37	0	0	-	0	37	-37
Distillate Fuel Oil	29,640	2,564	27,076	4,492	3,459	1,033	1,060	30,231	-29,171
15 ppm sulfur and under	28,743	2,564	26,179	4,345	3,459	886	1,060	29,187	-28,127
Greater than 15 ppm to 500 ppm sulfur	1	0	1	147	0	147	0	148	-148
Greater than 500 ppm sulfur	896	0	896	0	0	-	0	896	-896
Residual Fuel Oil	0	0	-	0	1,185	-1,185	1,185	0	1,185
Petrochemical Feedstocks	0	31	-31	35	134	-99	165	35	130
Naphtha for Petrochemical Feedstock Use	0	0	-	35	92	-57	92	35	57
Other Oils for Petrochemical Feedstock Use	0	31	-31	0	42	-42	73	0	73
Special Naphthas	0	0	-	0	0	-	0	0	-
Lubricants	512	0	512	134	0	134	0	646	-646
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	536	24	512	255	1,262	-1,008	844	79	765
Asphalt and Road Oil	922	40	882	252	1,242	-990	565	474	91
Miscellaneous Products	0	0	-	15	0	15	0	15	-15
Total	131,353	18,395	112,958	103,602	143,465	-39,864	100,109	155,579	-55,470

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, December 2022
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,278	25,277	-19,999	2,234	0	2,234
Petroleum Products	11,928	25,106	-13,177	13,490	173	13,317
Natural Gas Liquids	8,095	21,367	-13,272	2,107	0	2,107
Ethane	2,001	6,019	-4,018	0	0	-
Propane	3,164	7,713	-4,549	696	0	696
Normal Butane	1,326	3,500	-2,174	1,235	0	1,235
Isobutane	471	1,355	-884	175	0	175
Natural Gasoline	1,133	2,779	-1,646	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	1,753	1,606	147	4,999	0	4,999
Reformulated - RBOB	-	-	-	2,031	0	2,031
Conventional	1,753	1,606	147	2,968	0	2,968
CBOB	1,753	1,606	147	2,968	0	2,968
GTAB	-	-	-	0	0	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	477	121	355	4,559	3	4,556
Fuel Ethanol	440	121	318	3,594	0	3,594
Biodiesel	37	0	37	532	3	529
Renewable Diesel Fuel	0	0	-	432	0	432
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	97	535	-438	100	0	100
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	97	535	-438	100	0	100
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	97	535	-438	100	0	100
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	528	37	491	285	0	285
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	881	664	217	845	0	845
15 ppm sulfur and under	881	664	217	845	0	845
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	-	-	-
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-
Special Naphthas	0	0	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	52	272	-220	80	129	-48
Asphalt and Road Oil	46	503	-457	515	41	474
Miscellaneous Products	0	0	-	0	0	-
Total	17,206	50,383	-33,176	15,724	173	15,552

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms Pipeline 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.