

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, January 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	4,116	359	3,757	50,888	62,131	-11,243	53,154	26,358	26,796
Petroleum Products	125,368	16,920	108,448	57,040	85,062	-28,022	47,320	130,315	-82,995
Natural Gas Liquids	10,503	7,591	2,912	39,691	49,349	-9,658	34,871	16,445	18,426
Ethane	441	5,377	-4,936	11,786	16,603	-4,817	15,045	1,111	13,934
Propane	8,223	1,115	7,108	10,113	18,232	-8,119	9,932	4,780	5,152
Normal Butane	1,742	383	1,360	4,143	7,970	-3,827	4,542	1,041	3,501
Isobutane	97	478	-381	2,688	2,221	467	1,794	1,226	569
Natural Gasoline	0	239	-239	10,961	4,324	6,637	3,557	8,287	-4,730
Refinery Olefins	171	0	171	0	570	-570	399	0	399
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	171	0	171	0	570	-570	399	0	399
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	30	57	-27	195	1,167	-972	1,167	168	999
Motor Gasoline Blending Components	59,629	6,601	53,028	9,376	5,405	3,971	1,607	64,080	-62,473
Reformulated - RBOB	6,894	0	6,894	435	231	204	231	9,205	-8,974
Conventional	52,735	6,601	46,134	8,941	5,174	3,767	1,376	54,875	-53,499
CBOB	51,964	6,601	45,363	8,941	5,071	3,870	1,273	54,104	-52,831
GTAB	0	0	-	-	-	-	-	-	-
Other	771	0	771	0	103	-103	103	771	-668
Biofuels (including Fuel Ethanol)	8,493	0	8,493	3	18,716	-18,712	5,446	1,822	3,624
Fuel Ethanol	8,312	0	8,312	0	17,245	-17,245	5,151	509	4,643
Biodiesel	178	0	178	0	807	-807	295	45	250
Renewable Diesel Fuel	3	0	3	3	664	-661	0	1,269	-1,269
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,443	58	2,385	806	705	101	137	2,383	-2,246
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	2,443	58	2,385	806	705	101	137	2,383	-2,246
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	2,443	58	2,385	806	705	101	137	2,383	-2,246
Finished Aviation Gasoline	124	0	124	45	0	45	0	169	-169
Kerosene-Type Jet Fuel	13,161	309	12,852	2,400	2,069	331	39	14,501	-14,462
Kerosene	298	0	298	0	0	-	0	298	-298
Distillate Fuel Oil	28,466	2,244	26,222	3,957	3,504	453	1,112	29,117	-28,005
15 ppm sulfur and under	28,078	2,244	25,834	3,869	3,504	365	1,112	28,641	-27,529
Greater than 15 ppm to 500 ppm sulfur	0	0	-	88	0	88	0	88	-88
Greater than 500 ppm sulfur	388	0	388	0	0	-	0	388	-388
Residual Fuel Oil	0	0	-	0	880	-880	880	0	880
Petrochemical Feedstocks	0	0	-	9	94	-85	94	9	85
Naphtha for Petrochemical Feedstock Use	0	0	-	9	94	-85	94	9	85
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	31	0	31	0	31	-31
Lubricants	486	0	486	177	9	168	9	663	-654
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	436	12	424	121	1,168	-1,047	944	54	890
Asphalt and Road Oil	1,127	47	1,080	220	1,427	-1,207	614	565	49
Miscellaneous Products	0	0	-	9	0	9	0	9	-9
Total	129,483	17,279	112,205	107,928	147,193	-39,266	100,474	156,673	-56,199

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,631	28,155	-22,524	3,215	0	3,215
Petroleum Products	13,666	26,169	-12,503	15,217	146	15,072
Natural Gas Liquids	8,682	22,383	-13,701	2,021	0	2,021
Ethane	2,018	6,199	-4,181	0	0	-
Propane	3,456	8,300	-4,844	704	0	704
Normal Butane	1,451	3,590	-2,139	1,104	0	1,104
Isobutane	514	1,383	-869	214	0	214
Natural Gasoline	1,243	2,911	-1,668	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	2,117	1,453	664	4,810	0	4,810
Reformulated - RBOB	-	-	-	1,876	0	1,876
Conventional	2,117	1,453	664	2,934	0	2,934
CBOB	2,117	1,453	664	2,934	0	2,934
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	568	326	242	6,353	0	6,353
Fuel Ethanol	555	72	483	3,807	0	3,807
Biodiesel	14	0	14	365	0	365
Renewable Diesel Fuel	0	254	-254	2,181	0	2,181
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	131	430	-299	59	0	59
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	131	430	-299	59	0	59
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	131	430	-299	59	0	59
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	1,074	20	1,054	225	0	225
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	1,006	813	193	1,137	0	1,137
15 ppm sulfur and under	1,006	813	193	1,137	0	1,137
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	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	0	0	-
Marketable Petroleum Coke	42	285	-243	86	109	-24
Asphalt and Road Oil	46	460	-413	527	36	491
Miscellaneous Products	0	0	-	0	0	-
Total	19,297	54,324	-35,027	18,432	146	18,286

- = 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.

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, February 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,095	414	1,681	42,308	61,410	-19,102	53,668	19,218	34,450
Petroleum Products	123,778	15,530	108,248	51,465	86,001	-34,536	49,380	125,097	-75,717
Natural Gas Liquids	9,401	7,099	2,302	34,465	50,690	-16,225	36,819	11,770	25,049
Ethane	446	5,372	-4,926	11,351	17,042	-5,691	15,328	929	14,399
Propane	7,101	840	6,261	8,974	20,653	-11,679	12,806	3,486	9,320
Normal Butane	1,735	234	1,501	3,517	7,087	-3,571	3,973	662	3,312
Isobutane	119	442	-323	2,215	2,022	194	1,574	788	786
Natural Gasoline	0	210	-210	8,408	3,886	4,522	3,138	5,905	-2,767
Refinery Olefins	250	0	250	0	661	-661	412	0	412
Ethylene	-	-	-	-	-	-	0	0	-
Propylene	250	0	250	0	661	-661	412	0	412
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	34	40	-6	398	1,148	-750	1,148	392	756
Motor Gasoline Blending Components	57,892	5,469	52,423	9,384	4,735	4,649	1,363	63,635	-62,272
Reformulated - RBOB	6,520	0	6,520	1,123	0	1,123	0	9,488	-9,488
Conventional	51,372	5,469	45,903	8,261	4,735	3,526	1,363	54,147	-52,784
CBOB	50,174	5,469	44,705	8,208	4,632	3,576	1,260	52,896	-51,636
GTAB	0	0	-	-	-	-	0	0	-
Other	1,198	0	1,198	53	103	-50	103	1,251	-1,148
Biofuels (including Fuel Ethanol)	9,257	5	9,251	8	19,548	-19,540	5,582	1,037	4,545
Fuel Ethanol	9,040	0	9,040	0	18,363	-18,363	5,308	24	5,283
Biodiesel	216	5	211	5	786	-781	275	14	261
Renewable Diesel Fuel	0	0	-	3	400	-396	0	999	-999
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,013	73	1,940	708	759	-51	194	1,975	-1,781
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	0	0	-
Conventional	2,013	73	1,940	708	759	-51	194	1,975	-1,781
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,013	73	1,940	708	759	-51	194	1,975	-1,781
Finished Aviation Gasoline	122	0	122	0	0	-	0	122	-122
Kerosene-Type Jet Fuel	14,259	292	13,967	2,141	1,601	540	108	15,593	-15,485
Kerosene	298	0	298	0	0	-	0	298	-298
Distillate Fuel Oil	28,333	2,445	25,888	3,897	3,001	896	1,018	29,097	-28,079
15 ppm sulfur and under	28,025	2,445	25,580	3,841	3,001	840	1,018	28,733	-27,715
Greater than 15 ppm to 500 ppm sulfur	0	0	-	56	0	56	0	56	-56
Greater than 500 ppm sulfur	308	0	308	0	0	-	0	308	-308
Residual Fuel Oil	0	0	-	0	865	-865	865	0	865
Petrochemical Feedstocks	0	0	-	0	47	-47	47	0	47
Naphtha for Petrochemical Feedstock Use	0	0	-	0	47	-47	47	0	47
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	15	0	15	0	15	-15
Lubricants	483	0	483	148	32	116	32	631	-599
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	297	6	291	61	1,307	-1,246	1,193	73	1,119
Asphalt and Road Oil	1,140	100	1,039	235	1,606	-1,372	599	453	146
Miscellaneous Products	0	0	-	5	0	5	0	5	-5
Total	125,873	15,944	109,930	93,773	147,411	-53,638	103,048	144,315	-41,266

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,438	25,706	-20,268	3,238	0	3,238
Petroleum Products	13,155	24,233	-11,078	13,172	89	13,083
Natural Gas Liquids	8,779	20,916	-12,137	1,011	0	1,011
Ethane	2,074	5,856	-3,782	0	0	-
Propane	3,488	7,702	-4,214	313	0	313
Normal Butane	1,460	3,252	-1,792	550	0	550
Isobutane	515	1,319	-804	147	0	147
Natural Gasoline	1,242	2,787	-1,545	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	2,033	1,284	749	4,451	0	4,451
Reformulated - RBOB	-	-	-	1,845	0	1,845
Conventional	2,033	1,284	749	2,606	0	2,606
CBOB	2,033	1,284	749	2,606	0	2,606
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	509	398	111	5,635	3	5,632
Fuel Ethanol	482	81	400	3,639	0	3,639
Biodiesel	18	0	18	291	0	291
Renewable Diesel Fuel	9	316	-307	1,705	3	1,702
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	126	320	-194	86	0	86
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	126	320	-194	86	0	86
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-
Conventional Other	126	320	-194	86	0	86
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	834	47	787	191	0	191
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	759	680	79	1,216	0	1,216
15 ppm sulfur and under	759	680	79	1,216	0	1,216
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	0	0	-	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	-	0	0	-
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	36	253	-218	99	45	54
Asphalt and Road Oil	80	335	-255	484	41	442
Miscellaneous Products	0	0	-	0	0	-
Total	18,593	49,940	-31,346	16,411	89	16,321

- = 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.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Forms EIA-817, "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 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,781	495	2,286	39,594	70,881	-31,287	63,534	16,814	46,720
Petroleum Products	127,535	17,121	110,414	57,872	96,536	-38,664	57,971	129,608	-71,636
Natural Gas Liquids	10,160	7,731	2,430	39,406	59,195	-19,789	44,431	13,270	31,161
Ethane	412	5,762	-5,350	13,064	20,946	-7,882	19,293	1,152	18,141
Propane	7,426	970	6,456	9,849	22,937	-13,088	14,576	3,393	11,183
Normal Butane	2,174	255	1,920	3,585	8,315	-4,731	4,833	304	4,528
Isobutane	148	506	-358	2,513	2,465	47	2,013	845	1,168
Natural Gasoline	0	238	-238	10,396	4,531	5,865	3,717	7,576	-3,859
Refinery Olefins	183	0	183	0	782	-782	599	0	599
Ethylene	-	-	-	-	-	-	0	0	-
Propylene	183	0	183	0	782	-782	599	0	599
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	20	40	-20	801	1,311	-510	1,381	781	600
Motor Gasoline Blending Components	62,335	6,389	55,946	8,963	4,851	4,112	1,384	66,578	-65,194
Reformulated - RBOB	6,235	0	6,235	113	0	113	0	7,869	-7,869
Conventional	56,100	6,389	49,711	8,850	4,851	3,999	1,384	58,709	-57,325
CBOB	55,548	6,389	49,159	8,750	4,689	4,061	1,222	57,899	-56,677
GTAB	0	0	-	-	-	-	0	0	-
Other	552	0	552	100	162	-62	162	810	-648
Biofuels (including Fuel Ethanol)	10,779	0	10,779	3	22,360	-22,357	6,264	1,810	4,455
Fuel Ethanol	10,587	0	10,587	0	21,035	-21,035	5,961	448	5,513
Biodiesel	192	0	192	0	865	-865	304	14	290
Renewable Diesel Fuel	-	-	-	3	459	-456	0	1,348	-1,348
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,831	45	1,786	922	643	279	111	1,949	-1,838
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	1,831	45	1,786	922	643	279	111	1,949	-1,838
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	1,831	45	1,786	922	643	279	111	1,949	-1,838
Finished Aviation Gasoline	40	0	40	25	0	25	0	65	-65
Kerosene-Type Jet Fuel	13,798	369	13,429	1,397	1,116	281	105	14,896	-14,791
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	26,520	2,497	24,023	5,397	2,666	2,731	846	28,665	-27,819
15 ppm sulfur and under	26,294	2,497	23,797	5,269	2,614	2,655	794	28,311	-27,517
Greater than 15 ppm to 500 ppm sulfur	0	0	-	128	52	76	52	128	-76
Greater than 500 ppm sulfur	226	0	226	0	0	-	0	226	-226
Residual Fuel Oil	0	0	-	0	832	-832	832	0	832
Petrochemical Feedstocks	0	0	-	0	40	-40	40	0	40
Naphtha for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Other Oils for Petrochemical Feedstock Use	0	0	-	0	40	-40	40	0	40
Special Naphthas	0	0	-	29	0	29	0	29	-29
Lubricants	626	0	626	286	9	277	96	919	-823
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	113	6	107	235	1,343	-1,108	1,407	32	1,375
Asphalt and Road Oil	1,129	44	1,085	395	1,389	-994	476	601	-125
Miscellaneous Products	0	0	-	13	0	13	0	13	-13
Total	130,316	17,616	112,700	97,466	167,417	-69,951	121,505	146,422	-24,916

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,453	25,645	-20,192	2,473	0	2,473
Petroleum Products	14,472	28,607	-14,136	14,244	221	14,022
Natural Gas Liquids	10,125	24,743	-14,618	815	0	815
Ethane	2,580	7,489	-4,909	0	0	-
Propane	3,925	8,913	-4,988	436	0	436
Normal Butane	1,649	3,662	-2,013	296	0	296
Isobutane	583	1,523	-940	83	0	83
Natural Gasoline	1,388	3,156	-1,768	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	70	-70
Motor Gasoline Blending Components	2,163	1,373	790	4,346	0	4,346
Reformulated - RBOB	-	-	-	1,521	0	1,521
Conventional	2,163	1,373	790	2,825	0	2,825
CBOB	2,163	1,373	790	2,667	0	2,667
GTAB	-	-	-	0	0	-
Other	0	0	-	158	0	158
Biofuels (including Fuel Ethanol)	472	406	66	7,057	0	7,057
Fuel Ethanol	454	111	344	4,592	0	4,592
Biodiesel	18	0	18	366	0	366
Renewable Diesel Fuel	0	296	-296	2,100	0	2,100
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	112	414	-302	75	0	75
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	112	414	-302	75	0	75
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	112	414	-302	75	0	75
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	858	42	816	265	0	265
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	641	667	-26	1,091	0	1,091
15 ppm sulfur and under	641	667	-26	1,091	0	1,091
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	-	-	-	-	-	-
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	7	87	-80
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	13	462	-449	127	52	76
Asphalt and Road Oil	87	500	-413	461	13	448
Miscellaneous Products	0	0	-	0	0	-
Total	19,925	54,252	-34,328	16,716	221	16,495

- = 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.

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, April 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,972	352	2,620	46,816	71,924	-25,108	62,577	24,326	38,251
Petroleum Products	123,911	17,204	106,707	59,834	93,782	-33,948	56,147	127,511	-71,364
Natural Gas Liquids	9,443	6,871	2,572	38,210	58,344	-20,135	43,174	11,981	31,193
Ethane	0	5,129	-5,129	12,622	21,124	-8,502	19,366	903	18,463
Propane	7,543	970	6,573	9,877	22,332	-12,455	13,331	3,025	10,306
Normal Butane	1,792	385	1,407	4,046	8,235	-4,189	5,161	536	4,625
Isobutane	108	379	-271	2,333	2,289	44	1,825	795	1,030
Natural Gasoline	0	9	-9	9,332	4,364	4,968	3,490	6,722	-3,232
Refinery Olefins	275	0	275	0	903	-903	628	0	628
Ethylene	-	-	-	-	-	-	0	0	-
Propylene	275	0	275	0	903	-903	628	0	628
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	45	41	4	963	828	135	913	967	-54
Motor Gasoline Blending Components	58,625	6,952	51,673	11,125	4,802	6,323	1,722	64,142	-62,420
Reformulated - RBOB	7,691	0	7,691	1,783	210	1,573	210	10,663	-10,453
Conventional	50,934	6,952	43,982	9,342	4,592	4,750	1,512	53,479	-51,967
CBOB	49,990	6,952	43,038	9,038	4,333	4,705	1,203	52,231	-51,028
GTAB	0	0	-	-	-	-	0	0	-
Other	944	0	944	304	259	45	309	1,248	-939
Biofuels (including Fuel Ethanol)	8,866	13	8,853	12	19,963	-19,952	6,241	1,455	4,786
Fuel Ethanol	8,758	0	8,758	0	18,911	-18,911	5,960	309	5,650
Biodiesel	108	13	95	5	637	-631	282	6	276
Renewable Diesel Fuel	-	-	-	6	416	-409	0	1,140	-1,140
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,825	57	2,768	996	990	6	25	2,775	-2,750
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	2,825	57	2,768	996	990	6	25	2,775	-2,750
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,825	57	2,768	996	990	6	25	2,775	-2,750
Finished Aviation Gasoline	52	0	52	0	0	-	0	52	-52
Kerosene-Type Jet Fuel	16,428	391	16,037	1,513	1,687	-174	30	16,821	-16,791
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,136	2,835	22,301	6,405	2,602	3,803	952	27,972	-27,020
15 ppm sulfur and under	24,890	2,835	22,055	6,336	2,602	3,734	952	27,657	-26,705
Greater than 15 ppm to 500 ppm sulfur	0	0	-	69	0	69	0	69	-69
Greater than 500 ppm sulfur	246	0	246	0	0	-	0	246	-246
Residual Fuel Oil	0	0	-	0	797	-797	797	0	797
Petrochemical Feedstocks	0	0	-	0	121	-121	121	0	121
Naphtha for Petrochemical Feedstock Use	0	0	-	0	98	-98	98	0	98
Other Oils for Petrochemical Feedstock Use	0	0	-	0	23	-23	23	0	23
Special Naphthas	0	0	-	42	0	42	0	42	-42
Lubricants	508	0	508	176	20	156	20	692	-672
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	505	6	498	172	1,223	-1,051	1,017	81	936
Asphalt and Road Oil	1,203	37	1,166	212	1,502	-1,290	507	522	-15
Miscellaneous Products	0	0	-	9	0	9	0	9	-9
Total	126,884	17,556	109,328	106,650	165,706	-59,056	118,724	151,837	-33,114

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,374	24,912	-19,538	3,775	0	3,775
Petroleum Products	14,817	28,117	-13,300	12,229	325	11,904
Natural Gas Liquids	10,706	25,048	-14,342	712	0	712
Ethane	3,049	7,881	-4,832	0	0	-
Propane	4,025	8,895	-4,870	445	0	445
Normal Butane	1,667	3,635	-1,968	125	0	125
Isobutane	586	1,531	-945	141	0	141
Natural Gasoline	1,379	3,106	-1,727	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	85	-85
Motor Gasoline Blending Components	2,061	1,281	780	3,694	50	3,644
Reformulated - RBOB	-	-	-	1,189	0	1,189
Conventional	2,061	1,281	780	2,505	50	2,455
CBOB	2,061	1,281	780	2,505	0	2,505
GTAB	-	-	-	-	-	-
Other	0	0	-	0	50	-50
Biofuels (including Fuel Ethanol)	391	264	127	6,197	12	6,185
Fuel Ethanol	372	55	317	4,186	0	4,186
Biodiesel	13	0	13	253	6	247
Renewable Diesel Fuel	6	209	-202	1,758	6	1,752
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	106	231	-125	101	0	101
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	106	231	-125	101	0	101
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-
Conventional Other	106	231	-125	101	0	101
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	818	1	817	111	0	111
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	585	515	70	895	49	846
15 ppm sulfur and under	585	515	70	895	49	846
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	0	0	-	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	-	8	0	8
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	26	408	-382	76	77	-1
Asphalt and Road Oil	124	368	-244	435	52	383
Miscellaneous Products	0	0	-	0	0	-
Total	20,191	53,028	-32,837	16,005	325	15,679

- = 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.

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, May 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,379	304	2,075	52,806	72,813	-20,007	63,699	26,110	37,589
Petroleum Products	126,308	17,789	108,518	65,623	93,677	-28,054	52,911	133,333	-80,422
Natural Gas Liquids	8,608	7,698	910	40,208	56,730	-16,522	40,650	10,909	29,740
Ethane	0	5,881	-5,881	13,618	20,767	-7,149	19,185	937	18,248
Propane	6,590	1,078	5,512	10,326	21,457	-11,131	11,823	1,795	10,028
Normal Butane	1,866	312	1,554	4,175	8,033	-3,858	4,738	556	4,182
Isobutane	152	418	-266	2,411	2,231	180	1,682	776	905
Natural Gasoline	0	9	-9	9,678	4,242	5,436	3,222	6,845	-3,623
Refinery Olefins	187	0	187	0	675	-675	488	0	488
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	187	0	187	0	675	-675	488	0	488
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	65	43	22	328	1,365	-1,037	1,365	350	1,015
Motor Gasoline Blending Components	61,609	6,670	54,939	13,350	4,837	8,513	1,490	69,967	-68,477
Reformulated - RBOB	9,759	0	9,759	4,062	144	3,918	144	15,253	-15,109
Conventional	51,850	6,670	45,180	9,288	4,693	4,595	1,346	54,714	-53,368
CBOB	51,166	6,670	44,496	9,062	4,573	4,489	1,226	53,804	-52,578
GTAB	0	0	-	-	-	-	0	0	-
Other	684	0	684	226	120	106	120	910	-790
Biofuels (including Fuel Ethanol)	9,019	5	9,014	11	21,106	-21,095	5,920	1,046	4,874
Fuel Ethanol	8,956	0	8,956	0	20,427	-20,427	5,668	0	5,668
Biodiesel	63	5	58	11	536	-525	252	45	207
Renewable Diesel Fuel	0	0	-	0	142	-142	0	1,001	-1,001
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,756	106	2,650	2,419	1,103	1,316	0	4,035	-4,035
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	2,756	106	2,650	2,419	1,103	1,316	0	4,035	-4,035
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,756	106	2,650	2,419	1,103	1,316	0	4,035	-4,035
Finished Aviation Gasoline	51	0	51	35	0	35	0	86	-86
Kerosene-Type Jet Fuel	16,814	401	16,413	1,749	1,591	158	59	17,352	-17,293
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,171	2,840	22,331	6,670	3,136	3,534	985	28,216	-27,231
15 ppm sulfur and under	24,839	2,840	21,999	6,572	3,136	3,436	985	27,786	-26,801
Greater than 15 ppm to 500 ppm sulfur	0	0	-	98	0	98	0	98	-98
Greater than 500 ppm sulfur	332	0	332	0	0	-	0	332	-332
Residual Fuel Oil	0	0	-	0	606	-606	606	0	606
Petrochemical Feedstocks	0	0	-	56	70	-14	70	56	14
Naphtha for Petrochemical Feedstock Use	0	0	-	56	48	8	48	56	-8
Other Oils for Petrochemical Feedstock Use	0	0	-	0	22	-22	22	0	22
Special Naphthas	0	0	-	10	0	10	0	10	-10
Lubricants	416	0	416	164	10	154	10	588	-578
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	243	0	243	302	741	-439	622	29	593
Asphalt and Road Oil	1,369	26	1,343	314	1,707	-1,393	646	681	-35
Miscellaneous Products	0	0	-	7	0	7	0	7	-7
Total	128,686	18,093	110,593	118,429	166,490	-48,061	116,610	159,443	-42,833

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,430	29,559	-23,129	3,472	0	3,472
Petroleum Products	15,795	29,489	-13,695	13,780	127	13,653
Natural Gas Liquids	11,219	26,232	-15,013	886	0	886
Ethane	2,946	8,164	-5,218	0	0	-
Propane	4,265	9,335	-5,070	661	0	661
Normal Butane	1,825	3,792	-1,967	89	0	89
Isobutane	632	1,586	-954	135	0	135
Natural Gasoline	1,551	3,355	-1,804	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	2,298	1,346	952	4,073	0	4,073
Reformulated - RBOB	-	-	-	1,432	0	1,432
Conventional	2,298	1,346	952	2,641	0	2,641
CBOB	2,298	1,346	952	2,641	0	2,641
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	538	431	107	7,127	28	7,100
Fuel Ethanol	499	39	460	5,344	0	5,344
Biodiesel	37	0	37	251	28	224
Renewable Diesel Fuel	3	392	-389	1,532	0	1,532
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	114	147	-33	102	0	102
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	114	147	-33	102	0	102
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-
Conventional Other	114	147	-33	102	0	102
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	630	1	629	93	0	93
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	894	434	460	906	0	906
15 ppm sulfur and under	894	434	460	906	0	906
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	0	0	-	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	-	8	0	8
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	16	528	-512	160	45	115
Asphalt and Road Oil	85	370	-285	425	54	371
Miscellaneous Products	0	0	-	0	0	-
Total	22,225	59,049	-36,824	17,252	127	17,125

- = 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.

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 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,990	333	2,657	51,441	68,197	-16,756	57,363	25,633	31,730
Petroleum Products	122,474	17,652	104,823	63,317	90,883	-27,565	51,294	128,000	-76,706
Natural Gas Liquids	8,952	7,573	1,379	38,704	55,013	-16,309	40,557	10,622	29,935
Ethane	573	6,117	-5,544	12,957	18,966	-6,009	17,992	1,022	16,970
Propane	6,330	926	5,404	9,913	20,129	-10,216	11,377	1,736	9,641
Normal Butane	1,965	195	1,770	3,814	8,903	-5,089	5,440	295	5,145
Isobutane	84	329	-245	2,601	2,190	411	1,835	1,070	765
Natural Gasoline	0	7	-7	9,419	4,825	4,594	3,913	6,500	-2,587
Refinery Olefins	225	0	225	0	632	-632	407	0	407
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	225	0	225	0	632	-632	407	0	407
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	40	21	19	276	588	-312	588	295	293
Motor Gasoline Blending Components	57,489	6,651	50,838	13,254	4,605	8,649	1,316	65,985	-64,669
Reformulated - RBOB	9,711	0	9,711	4,218	0	4,218	0	15,718	-15,718
Conventional	47,778	6,651	41,127	9,036	4,605	4,431	1,316	50,267	-48,951
CBOB	47,191	6,651	40,540	8,950	4,504	4,446	1,215	49,594	-48,379
GTAB	0	0	-	-	-	-	0	0	-
Other	587	0	587	86	101	-15	101	673	-572
Biofuels (including Fuel Ethanol)	9,860	5	9,855	14	21,388	-21,374	6,024	1,731	4,293
Fuel Ethanol	9,831	0	9,831	0	20,313	-20,313	5,805	352	5,454
Biodiesel	29	5	24	8	509	-501	218	22	196
Renewable Diesel Fuel	0	0	-	6	566	-560	0	1,357	-1,357
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,027	95	1,932	1,759	852	907	0	2,571	-2,571
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	2,027	95	1,932	1,759	852	907	0	2,571	-2,571
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	2,027	95	1,932	1,759	852	907	0	2,571	-2,571
Finished Aviation Gasoline	134	0	134	25	0	25	0	159	-159
Kerosene-Type Jet Fuel	16,903	377	16,526	1,629	1,915	-286	55	17,371	-17,316
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	24,487	2,864	21,623	6,903	2,807	4,096	824	27,848	-27,024
15 ppm sulfur and under	24,243	2,864	21,379	6,798	2,807	3,991	824	27,499	-26,675
Greater than 15 ppm to 500 ppm sulfur	0	0	-	105	0	105	0	105	-105
Greater than 500 ppm sulfur	244	0	244	0	0	-	0	244	-244
Residual Fuel Oil	0	0	-	0	495	-495	495	0	495
Petrochemical Feedstocks	300	0	300	38	94	-56	94	338	-244
Naphtha for Petrochemical Feedstock Use	300	0	300	38	94	-56	94	338	-244
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	25	0	25	0	25	-25
Lubricants	360	0	360	166	19	147	19	540	-521
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	509	9	500	273	1,060	-787	608	19	589
Asphalt and Road Oil	1,189	56	1,132	243	1,414	-1,170	307	489	-182
Miscellaneous Products	0	0	-	7	0	7	0	7	-7
Total	125,464	17,985	107,479	114,758	159,079	-44,321	108,657	153,633	-44,976

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,786	28,349	-21,563	3,932	0	3,932
Petroleum Products	15,074	29,943	-14,869	14,433	115	14,318
Natural Gas Liquids	10,617	26,158	-15,541	537	0	537
Ethane	2,273	7,690	-5,417	0	0	-
Propane	4,236	9,367	-5,131	301	0	301
Normal Butane	1,845	3,779	-1,934	107	0	107
Isobutane	636	1,696	-1,060	128	0	128
Natural Gasoline	1,627	3,627	-2,000	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	2,084	1,273	811	4,371	0	4,371
Reformulated - RBOB	-	-	-	1,789	0	1,789
Conventional	2,084	1,273	811	2,582	0	2,582
CBOB	2,084	1,273	811	2,582	0	2,582
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	530	423	107	7,140	22	7,119
Fuel Ethanol	482	55	426	4,602	0	4,602
Biodiesel	42	0	42	254	15	239
Renewable Diesel Fuel	6	368	-361	2,284	6	2,278
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	101	456	-355	87	0	87
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	101	456	-355	87	0	87
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	101	456	-355	87	0	87
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	827	35	792	284	0	284
Kerosene	-	-	-	0	0	-
Distillate Fuel Oil	809	677	132	1,173	0	1,173
15 ppm sulfur and under	809	677	132	1,173	0	1,173
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	-	14	0	14
Waxes	-	-	-	0	0	-
Marketable Petroleum Coke	13	380	-368	121	55	66
Asphalt and Road Oil	93	541	-448	706	39	668
Miscellaneous Products	0	0	-	0	0	-
Total	21,860	58,292	-36,432	18,365	115	18,250

- = 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.

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, July 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	1,995	298	1,697	48,000	73,462	-25,462	63,252	22,649	40,603
Petroleum Products	125,957	17,562	108,395	64,251	93,378	-29,127	55,540	134,292	-78,752
Natural Gas Liquids	8,389	7,725	663	41,958	58,603	-16,645	44,361	12,973	31,387
Ethane	542	6,041	-5,499	13,493	19,799	-6,306	18,537	1,031	17,506
Propane	6,329	901	5,428	10,719	22,550	-11,831	13,958	2,763	11,195
Normal Butane	1,318	343	975	4,131	8,442	-4,311	5,547	338	5,210
Isobutane	200	434	-235	2,711	2,409	302	1,899	1,012	887
Natural Gasoline	0	6	-6	10,904	5,404	5,500	4,419	7,830	-3,411
Refinery Olefins	322	0	322	0	857	-857	535	0	535
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	322	0	322	0	857	-857	535	0	535
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	21	40	-19	152	546	-394	763	133	630
Motor Gasoline Blending Components	62,179	6,764	55,415	12,834	5,259	7,575	1,364	69,833	-68,469
Reformulated - RBOB	11,533	0	11,533	3,195	0	3,195	0	16,397	-16,397
Conventional	50,646	6,764	43,882	9,639	5,259	4,380	1,364	53,436	-52,072
CBOB	50,127	6,764	43,363	9,472	5,205	4,267	1,310	52,750	-51,440
GTAB	0	0	-	-	-	-	0	0	-
Other	519	0	519	167	54	113	54	686	-632
Biofuels (including Fuel Ethanol)	8,947	6	8,941	18	20,590	-20,571	5,854	2,017	3,837
Fuel Ethanol	8,861	0	8,861	0	19,571	-19,571	5,602	723	4,879
Biodiesel	86	6	80	12	555	-543	252	25	227
Renewable Diesel Fuel	0	0	-	6	464	-458	0	1,269	-1,269
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,921	103	1,818	1,778	877	901	51	2,537	-2,486
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	1,921	103	1,818	1,778	877	901	51	2,537	-2,486
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	1,921	103	1,818	1,778	877	901	51	2,537	-2,486
Finished Aviation Gasoline	38	0	38	59	0	59	0	97	-97
Kerosene-Type Jet Fuel	16,666	431	16,235	1,717	1,137	580	30	17,972	-17,942
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,510	2,450	23,060	5,110	2,673	2,437	793	27,356	-26,563
15 ppm sulfur and under	25,279	2,450	22,829	5,001	2,673	2,328	793	27,016	-26,223
Greater than 15 ppm to 500 ppm sulfur	0	0	-	109	0	109	0	109	-109
Greater than 500 ppm sulfur	231	0	231	0	0	-	0	231	-231
Residual Fuel Oil	0	0	-	0	456	-456	456	0	456
Petrochemical Feedstocks	0	0	-	19	124	-105	124	19	105
Naphtha for Petrochemical Feedstock Use	0	0	-	19	90	-71	90	19	71
Other Oils for Petrochemical Feedstock Use	0	0	-	0	34	-34	34	0	34
Special Naphthas	0	0	-	9	0	9	0	9	-9
Lubricants	425	0	425	152	18	134	18	587	-569
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	276	9	267	54	886	-832	806	70	736
Asphalt and Road Oil	1,262	34	1,229	384	1,352	-968	386	682	-296
Miscellaneous Products	0	0	-	7	0	7	0	7	-7
Total	127,952	17,860	110,092	112,251	166,840	-54,589	118,792	156,941	-38,149

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,852	28,077	-21,225	4,386	0	4,386
Petroleum Products	16,046	31,040	-14,994	14,802	323	14,478
Natural Gas Liquids	11,265	27,384	-16,119	713	0	713
Ethane	2,486	8,187	-5,701	—	—	—
Propane	4,458	9,672	-5,214	421	0	421
Normal Butane	1,936	4,037	-2,101	227	0	227
Isobutane	669	1,689	-1,020	65	0	65
Natural Gasoline	1,716	3,799	-2,083	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	217	-217
Motor Gasoline Blending Components	2,466	1,340	1,126	4,353	0	4,353
Reformulated - RBOB	—	—	—	1,669	0	1,669
Conventional	2,466	1,340	1,126	2,684	0	2,684
CBOB	2,466	1,340	1,126	2,684	0	2,684
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	639	379	260	7,546	12	7,533
Fuel Ethanol	609	62	548	5,283	0	5,283
Biodiesel	27	0	27	221	12	209
Renewable Diesel Fuel	3	318	-315	2,042	0	2,042
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	161	485	-324	91	0	91
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	161	485	-324	91	0	91
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	161	485	-324	91	0	91
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	911	43	868	259	0	259
Kerosene	—	—	—	0	0	—
Distillate Fuel Oil	548	624	-76	1,142	0	1,142
15 ppm sulfur and under	548	624	-76	1,142	0	1,142
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	—	10	0	10
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	36	261	-225	139	84	55
Asphalt and Road Oil	20	525	-504	549	10	539
Miscellaneous Products	0	0	—	0	0	—
Total	22,898	59,117	-36,219	19,188	323	18,865

— = 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.

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, August 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,345	239	2,106	47,074	70,337	-23,263	60,553	20,535	40,018
Petroleum Products	122,239	18,045	104,194	62,979	95,483	-32,503	56,035	126,229	-70,193
Natural Gas Liquids	9,837	7,756	2,081	41,585	60,930	-19,345	44,629	12,595	32,033
Ethane	0	6,046	-6,046	13,723	20,353	-6,630	19,203	1,081	18,122
Propane	7,746	1,036	6,710	11,018	23,720	-12,702	13,865	3,149	10,716
Normal Butane	1,894	235	1,659	4,318	8,813	-4,495	5,167	619	4,549
Isobutane	197	432	-235	2,535	2,590	-55	1,952	893	1,059
Natural Gasoline	0	7	-7	9,991	5,454	4,537	4,441	6,854	-2,413
Refinery Olefins	257	0	257	0	675	-675	418	0	418
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	257	0	257	0	675	-675	418	0	418
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	94	41	53	413	937	-524	937	466	471
Motor Gasoline Blending Components	59,011	6,860	52,151	12,233	4,915	7,318	1,202	65,548	-64,346
Reformulated - RBOB	10,330	0	10,330	2,621	0	2,621	0	14,257	-14,257
Conventional	48,681	6,860	41,821	9,612	4,915	4,697	1,202	51,291	-50,089
CBOB	47,988	6,860	41,128	9,512	4,760	4,752	1,047	50,498	-49,451
GTAB	0	0	-	-	-	-	0	0	-
Other	693	0	693	100	155	-55	155	793	-638
Biofuels (including Fuel Ethanol)	8,601	0	8,601	6	19,214	-19,208	5,987	1,720	4,267
Fuel Ethanol	8,506	0	8,506	0	18,201	-18,201	5,772	262	5,510
Biodiesel	95	0	95	0	651	-651	215	87	128
Renewable Diesel Fuel	0	0	-	6	362	-356	0	1,371	-1,371
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	1,698	97	1,601	846	901	-55	0	1,362	-1,362
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	1,698	97	1,601	846	901	-55	0	1,362	-1,362
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	1,698	97	1,601	846	901	-55	0	1,362	-1,362
Finished Aviation Gasoline	132	0	132	0	0	-	0	132	-132
Kerosene-Type Jet Fuel	14,365	381	13,984	1,637	1,153	484	59	15,589	-15,530
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,743	2,889	22,854	5,453	3,222	2,231	1,084	27,391	-26,307
15 ppm sulfur and under	25,533	2,889	22,644	5,335	3,222	2,113	1,084	27,063	-25,979
Greater than 15 ppm to 500 ppm sulfur	99	0	99	118	0	118	0	217	-217
Greater than 500 ppm sulfur	111	0	111	0	0	-	0	111	-111
Residual Fuel Oil	0	0	-	0	433	-433	433	0	433
Petrochemical Feedstocks	0	0	-	37	104	-67	104	37	67
Naphtha for Petrochemical Feedstock Use	0	0	-	37	94	-57	94	37	57
Other Oils for Petrochemical Feedstock Use	0	0	-	0	10	-10	10	0	10
Special Naphthas	0	0	-	10	0	10	0	10	-10
Lubricants	311	0	311	200	28	172	18	514	-496
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	656	19	637	124	1,135	-1,011	656	127	529
Asphalt and Road Oil	1,534	2	1,532	427	1,836	-1,408	508	729	-221
Miscellaneous Products	0	0	-	8	0	8	0	8	-8
Total	124,585	18,284	106,300	110,053	165,820	-55,766	116,589	146,764	-30,175

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	7,376	29,828	-22,452	3,591	0	3,591
Petroleum Products	16,106	30,858	-14,753	13,374	119	13,255
Natural Gas Liquids	11,519	27,382	-15,863	1,094	0	1,094
Ethane	2,661	8,107	-5,446	—	—	—
Propane	4,531	9,834	-5,303	579	0	579
Normal Butane	1,928	3,913	-1,985	272	0	272
Isobutane	673	1,686	-1,013	244	0	244
Natural Gasoline	1,726	3,843	-2,117	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	2,252	1,344	908	3,969	0	3,969
Reformulated - RBOB	—	—	—	1,306	0	1,306
Conventional	2,252	1,344	908	2,663	0	2,663
CBOB	2,252	1,344	908	2,663	0	2,663
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	536	334	202	6,150	12	6,138
Fuel Ethanol	460	29	430	3,755	0	3,755
Biodiesel	70	0	70	370	12	358
Renewable Diesel Fuel	6	305	-299	2,025	0	2,025
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	145	453	-308	124	0	124
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	145	453	-308	124	0	124
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	145	453	-308	124	0	124
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	815	27	788	274	0	274
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	780	631	149	1,073	0	1,073
15 ppm sulfur and under	780	631	149	1,073	0	1,073
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	—	—	—	—	—	—
Other Oils for Petrochemical Feedstock Use	0	0	—	0	0	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	13	0	13
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	36	157	-121	60	94	-34
Asphalt and Road Oil	23	530	-507	616	13	604
Miscellaneous Products	0	0	—	0	0	—
Total	23,482	60,687	-37,205	16,964	119	16,846

— = 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.

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 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	1,402	575	827	45,294	76,042	-30,748	64,756	18,480	46,276
Petroleum Products	118,076	17,345	100,731	61,020	91,175	-30,155	54,230	123,278	-69,048
Natural Gas Liquids	8,708	8,123	585	41,510	58,063	-16,553	43,790	12,717	31,074
Ethane	288	6,240	-5,952	13,726	21,087	-7,361	20,101	1,018	19,083
Propane	6,391	1,048	5,343	10,679	21,016	-10,336	12,597	2,918	9,679
Normal Butane	1,912	295	1,617	4,031	8,187	-4,156	4,708	451	4,258
Isobutane	118	531	-413	3,050	2,378	671	1,911	1,302	609
Natural Gasoline	0	9	-9	10,024	5,395	4,629	4,473	7,028	-2,555
Refinery Olefins	220	0	220	0	833	-833	612	0	612
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	220	0	220	0	833	-833	612	0	612
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	300	21	279	73	662	-589	662	352	310
Motor Gasoline Blending Components	57,919	6,181	51,738	11,166	4,426	6,740	1,278	63,922	-62,644
Reformulated - RBOB	6,067	0	6,067	2,250	203	2,047	0	9,293	-9,293
Conventional	51,852	6,181	45,671	8,916	4,223	4,693	1,278	54,629	-53,351
CBOB	50,848	6,181	44,667	8,464	4,120	4,344	1,175	53,173	-51,998
GTAB	0	0	-	-	-	-	0	0	-
Other	1,004	0	1,004	452	103	349	103	1,456	-1,353
Biofuels (including Fuel Ethanol)	9,069	0	9,069	0	19,323	-19,323	5,046	2,224	2,822
Fuel Ethanol	9,007	0	9,007	0	18,249	-18,249	4,836	196	4,640
Biodiesel	62	0	62	0	546	-546	210	16	194
Renewable Diesel Fuel	0	0	0	0	528	-528	0	2,012	-2,012
Other Biofuels ²	0	0	0	0	0	-	0	0	0
Finished Motor Gasoline	2,284	66	2,218	721	980	-259	150	1,809	-1,659
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	2,284	66	2,218	721	980	-259	150	1,809	-1,659
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	2,284	66	2,218	721	980	-259	150	1,809	-1,659
Finished Aviation Gasoline	88	0	88	25	0	25	0	113	-113
Kerosene-Type Jet Fuel	14,666	357	14,309	1,617	972	645	138	16,009	-15,871
Kerosene	174	0	174	0	0	-	0	174	-174
Distillate Fuel Oil	22,940	2,566	20,374	5,369	2,775	2,594	622	24,933	-24,311
15 ppm sulfur and under	22,742	2,566	20,176	5,232	2,775	2,457	622	24,598	-23,976
Greater than 15 ppm to 500 ppm sulfur	0	0	-	137	0	137	0	137	-137
Greater than 500 ppm sulfur	198	0	198	0	0	-	0	198	-198
Residual Fuel Oil	0	0	-	0	239	-239	239	0	239
Petrochemical Feedstocks	0	0	-	45	145	-100	145	45	100
Naphtha for Petrochemical Feedstock Use	-	-	-	45	78	-33	78	45	33
Other Oils for Petrochemical Feedstock Use	0	0	-	0	67	-67	67	0	67
Special Naphthas	0	0	-	17	0	17	0	17	-17
Lubricants	264	0	264	90	41	49	0	352	-352
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	273	16	257	105	1,313	-1,208	1,093	54	1,039
Asphalt and Road Oil	1,171	16	1,155	275	1,404	-1,128	454	550	-96
Miscellaneous Products	0	0	-	7	0	7	0	7	-7
Total	119,477	17,920	101,557	106,314	167,218	-60,903	118,986	141,758	-22,772

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	8,062	27,332	-19,270	2,916	0	2,916
Petroleum Products	15,412	31,109	-15,697	14,248	78	14,170
Natural Gas Liquids	11,506	27,491	-15,985	879	0	879
Ethane	2,635	8,405	-5,770	—	—	—
Propane	4,590	9,709	-5,119	434	0	434
Normal Butane	1,907	3,955	-2,048	330	0	330
Isobutane	668	1,650	-982	115	0	115
Natural Gasoline	1,706	3,771	-2,065	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	1,739	1,330	409	3,757	0	3,757
Reformulated - RBOB	203	0	203	976	0	976
Conventional	1,536	1,330	206	2,781	0	2,781
CBOB	1,536	1,330	206	2,781	0	2,781
GTAB	—	—	—	0	0	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	444	424	20	7,436	24	7,412
Fuel Ethanol	398	13	385	4,217	0	4,217
Biodiesel	46	0	46	268	24	244
Renewable Diesel Fuel	0	411	-411	2,951	0	2,951
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	113	516	-403	103	0	103
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	113	516	-403	103	0	103
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	113	516	-403	103	0	103
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	700	21	679	238	0	238
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	847	615	232	1,111	0	1,111
15 ppm sulfur and under	847	615	232	1,111	0	1,111
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	—	39	0	39
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	29	242	-212	173	48	125
Asphalt and Road Oil	33	470	-437	511	5	506
Miscellaneous Products	0	0	—	0	0	—
Total	23,474	58,441	-34,967	17,164	78	17,086

— = 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.

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, October 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	1,250	469	781	48,875	81,996	-33,121	70,332	20,345	49,987
Petroleum Products	128,894	16,448	112,446	60,200	93,889	-33,689	56,294	133,432	-77,137
Natural Gas Liquids	10,278	7,132	3,147	41,301	59,931	-18,629	44,268	13,358	30,910
Ethane	170	5,250	-5,080	13,085	21,485	-8,400	20,627	975	19,652
Propane	8,016	1,036	6,980	10,430	22,863	-12,433	13,145	2,849	10,296
Normal Butane	2,093	319	1,774	4,366	8,204	-3,839	4,371	876	3,495
Isobutane	0	520	-520	2,579	2,220	360	1,907	813	1,094
Natural Gasoline	0	6	-6	10,841	5,159	5,682	4,218	7,845	-3,627
Refinery Olefins	260	0	260	0	743	-743	483	0	483
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	260	0	260	0	743	-743	483	0	483
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	36	20	16	30	880	-850	968	46	922
Motor Gasoline Blending Components	61,842	6,136	55,706	9,440	3,500	5,940	1,147	67,116	-65,969
Reformulated - RBOB	7,908	0	7,908	1,566	342	1,224	0	11,392	-11,392
Conventional	53,934	6,136	47,798	7,874	3,158	4,716	1,147	55,724	-54,577
CBOB	53,420	6,136	47,284	7,409	2,927	4,482	916	54,745	-53,829
GTAB	0	0	-	-	-	-	0	0	-
Other	514	0	514	465	231	234	231	979	-748
Biofuels (including Fuel Ethanol)	9,366	0	9,366	50	20,581	-20,531	6,187	2,724	3,463
Fuel Ethanol	9,246	0	9,246	0	19,536	-19,536	5,989	617	5,372
Biodiesel	100	0	100	47	661	-614	198	87	111
Renewable Diesel Fuel	20	0	20	3	384	-381	0	2,021	-2,021
Other Biofuels ²	-	-	-	0	0	-	0	0	0
Finished Motor Gasoline	2,363	55	2,308	577	1,132	-555	178	1,565	-1,387
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	2,363	55	2,308	577	1,132	-555	178	1,565	-1,387
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	2,363	55	2,308	577	1,132	-555	178	1,565	-1,387
Finished Aviation Gasoline	43	0	43	25	0	25	0	68	-68
Kerosene-Type Jet Fuel	17,615	456	17,159	2,006	1,155	851	30	19,221	-19,191
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,082	2,619	22,463	5,883	2,517	3,366	820	28,155	-27,335
15 ppm sulfur and under	24,894	2,619	22,275	5,788	2,517	3,271	820	27,872	-27,052
Greater than 15 ppm to 500 ppm sulfur	0	0	-	95	0	95	0	95	-95
Greater than 500 ppm sulfur	188	0	188	0	0	-	0	188	-188
Residual Fuel Oil	0	0	-	0	714	-714	714	0	714
Petrochemical Feedstocks	0	0	-	36	81	-45	81	36	45
Naphtha for Petrochemical Feedstock Use	0	0	-	36	81	-45	81	36	45
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	17	0	17	0	17	-17
Lubricants	316	0	316	208	21	187	0	503	-503
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	139	12	127	409	714	-305	700	86	614
Asphalt and Road Oil	1,553	18	1,535	204	1,921	-1,717	719	522	196
Miscellaneous Products	0	0	-	14	0	14	0	14	-14
Total	130,144	16,917	113,227	109,075	175,885	-66,810	126,626	153,777	-27,150

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	8,383	29,456	-21,073	3,426	0	3,426
Petroleum Products	14,718	33,085	-18,368	16,916	167	16,748
Natural Gas Liquids	11,637	28,846	-17,209	1,781	0	1,781
Ethane	2,846	9,018	-6,172	0	0	-
Propane	4,598	10,047	-5,449	606	0	606
Normal Butane	1,887	4,378	-2,491	1,061	0	1,061
Isobutane	670	1,718	-1,048	114	0	114
Natural Gasoline	1,636	3,685	-2,049	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	88	-88
Motor Gasoline Blending Components	949	1,454	-505	4,828	0	4,828
Reformulated - RBOB	342	0	342	1,918	0	1,918
Conventional	607	1,454	-847	2,910	0	2,910
CBOB	607	1,454	-847	2,910	0	2,910
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	430	436	-6	7,711	3	7,708
Fuel Ethanol	405	42	363	4,555	0	4,555
Biodiesel	22	0	22	384	3	381
Renewable Diesel Fuel	3	394	-391	2,773	0	2,773
Other Biofuels ²	0	0	-	0	0	0
Finished Motor Gasoline	0	461	-461	95	0	95
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	461	-461	95	0	95
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	-	-	-	0	0	-
Conventional Other	0	461	-461	95	0	95
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	885	71	814	367	0	367
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	772	822	-50	1,556	0	1,556
15 ppm sulfur and under	772	822	-50	1,556	0	1,556
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	-	0	0	-
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	3	441	-438	73	71	2
Asphalt and Road Oil	41	554	-514	504	5	499
Miscellaneous Products	0	0	-	0	0	-
Total	23,101	62,541	-39,441	20,342	167	20,174

- = 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.

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, November 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,226	411	1,815	52,377	77,526	-25,149	67,252	24,612	42,640
Petroleum Products	127,960	17,504	110,457	60,695	91,821	-31,126	54,880	133,669	-78,789
Natural Gas Liquids	8,878	7,829	1,049	41,703	57,237	-15,534	41,576	13,462	28,114
Ethane	0	6,022	-6,022	13,460	20,734	-7,274	19,244	988	18,256
Propane	6,893	1,056	5,837	11,011	21,290	-10,279	12,679	3,510	9,169
Normal Butane	1,941	225	1,716	4,254	8,122	-3,868	3,923	755	3,169
Isobutane	44	519	-475	2,843	2,303	540	1,984	1,065	920
Natural Gasoline	0	7	-7	10,136	4,788	5,348	3,745	7,144	-3,399
Refinery Olefins	188	0	188	0	735	-735	547	0	547
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	188	0	188	0	735	-735	547	0	547
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	33	20	13	30	1,761	-1,731	1,761	43	1,718
Motor Gasoline Blending Components	60,445	6,090	54,355	9,347	3,373	5,974	1,302	65,929	-64,627
Reformulated - RBOB	7,631	0	7,631	688	320	368	0	10,401	-10,401
Conventional	52,814	6,090	46,724	8,659	3,053	5,606	1,302	55,528	-54,226
CBOB	52,251	6,090	46,161	7,824	2,932	4,892	1,181	54,130	-52,949
GTAB	0	0	-	-	-	-	0	0	-
Other	563	0	563	835	121	714	121	1,398	-1,277
Biofuels (including Fuel Ethanol)	9,396	0	9,396	3	20,619	-20,616	6,419	2,621	3,798
Fuel Ethanol	9,269	0	9,269	0	19,389	-19,389	6,132	563	5,569
Biodiesel	117	0	117	0	882	-882	286	9	277
Renewable Diesel Fuel	10	0	10	3	347	-344	0	2,048	-2,048
Other Biofuels ²	-	-	-	0	0	-	0	0	0
Finished Motor Gasoline	2,313	69	2,244	1,110	742	368	28	2,263	-2,235
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	2,313	69	2,244	1,110	742	368	28	2,263	-2,235
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	2,313	69	2,244	1,110	742	368	28	2,263	-2,235
Finished Aviation Gasoline	319	0	319	25	0	25	0	344	-344
Kerosene-Type Jet Fuel	16,053	675	15,378	2,587	1,087	1,500	300	18,168	-17,868
Kerosene	108	0	108	0	0	-	0	108	-108
Distillate Fuel Oil	28,082	2,782	25,300	5,224	2,723	2,501	734	29,602	-28,868
15 ppm sulfur and under	27,794	2,782	25,012	5,098	2,723	2,375	734	29,188	-28,454
Greater than 15 ppm to 500 ppm sulfur	0	0	-	126	0	126	0	126	-126
Greater than 500 ppm sulfur	288	0	288	0	0	-	0	288	-288
Residual Fuel Oil	0	0	-	0	621	-621	621	0	621
Petrochemical Feedstocks	0	0	-	18	68	-50	68	18	50
Naphtha for Petrochemical Feedstock Use	0	0	-	18	42	-24	42	18	24
Other Oils for Petrochemical Feedstock Use	0	0	-	0	26	-26	26	0	26
Special Naphthas	148	0	148	31	0	31	0	179	-179
Lubricants	337	0	337	130	0	130	0	467	-467
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	781	3	777	332	1,496	-1,164	825	96	729
Asphalt and Road Oil	880	36	844	148	1,359	-1,212	700	363	336
Miscellaneous Products	0	0	-	7	0	7	0	7	-7
Total	130,186	17,915	112,271	113,072	169,347	-56,275	122,133	158,281	-36,149

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	8,062	30,947	-22,885	3,579	0	3,579
Petroleum Products	15,069	32,467	-17,398	16,894	37	16,856
Natural Gas Liquids	12,167	28,321	-16,154	2,524	0	2,524
Ethane	2,990	7,950	-4,960	0	0	-
Propane	4,749	10,184	-5,435	709	0	709
Normal Butane	1,979	4,557	-2,578	1,561	0	1,561
Isobutane	707	1,946	-1,239	254	0	254
Natural Gasoline	1,742	3,684	-1,942	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	805	1,337	-532	4,830	0	4,830
Reformulated - RBOB	320	0	320	2,082	0	2,082
Conventional	485	1,337	-852	2,748	0	2,748
CBOB	485	1,337	-852	2,748	0	2,748
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	401	417	-16	7,438	0	7,438
Fuel Ethanol	385	78	307	4,244	0	4,244
Biodiesel	17	0	17	472	0	472
Renewable Diesel Fuel	0	339	-339	2,721	0	2,721
Other Biofuels ²	0	0	-	0	0	0
Finished Motor Gasoline	0	444	-444	67	0	67
Reformulated	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	444	-444	67	0	67
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	-	-	-	0	0	-
Conventional Other	0	444	-444	67	0	67
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	820	52	768	222	0	222
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	813	776	37	1,030	0	1,030
15 ppm sulfur and under	813	776	37	1,030	0	1,030
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	-	0	0	-
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	7	514	-507	196	32	164
Asphalt and Road Oil	56	606	-550	587	5	582
Miscellaneous Products	0	0	-	0	0	-
Total	23,131	63,414	-40,283	20,473	37	20,436

- = 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.

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, December 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,151	586	1,565	53,214	75,661	-22,447	65,064	23,163	41,901
Petroleum Products	134,344	16,019	118,325	57,632	95,659	-38,027	55,781	135,012	-79,231
Natural Gas Liquids	10,819	7,677	3,142	41,820	56,735	-14,916	40,150	14,127	26,023
Ethane	13	5,743	-5,730	12,682	17,718	-5,036	16,710	976	15,734
Propane	8,794	1,093	7,701	11,371	23,435	-12,064	13,336	3,959	9,377
Normal Butane	1,890	312	1,578	4,550	8,193	-3,643	4,089	809	3,280
Isobutane	122	522	-400	2,731	2,567	165	2,185	964	1,221
Natural Gasoline	0	7	-7	10,485	4,822	5,663	3,830	7,418	-3,588
Refinery Olefins	160	0	160	0	631	-631	471	0	471
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	160	0	160	0	631	-631	471	0	471
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	47	60	-13	121	1,315	-1,194	1,315	108	1,207
Motor Gasoline Blending Components	61,518	5,335	56,183	8,498	4,058	4,440	1,507	66,869	-65,362
Reformulated - RBOB	8,181	0	8,181	980	865	115	222	11,259	-11,037
Conventional	53,337	5,335	48,002	7,518	3,193	4,325	1,285	55,610	-54,325
CBOB	52,997	5,335	47,662	6,865	2,973	3,892	1,065	54,617	-53,552
GTAB	0	0	-	-	-	-	0	0	-
Other	340	0	340	653	220	433	220	993	-773
Biofuels (including Fuel Ethanol)	11,193	0	11,193	0	23,389	-23,389	7,645	1,986	5,659
Fuel Ethanol	11,028	0	11,028	0	22,160	-22,160	7,373	281	7,092
Biodiesel	165	0	165	0	861	-861	272	22	250
Renewable Diesel Fuel	0	0	-	0	368	-368	0	1,683	-1,683
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,435	68	2,367	652	1,343	-691	760	1,995	-1,235
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	2,435	68	2,367	652	1,343	-691	760	1,995	-1,235
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	2,435	68	2,367	652	1,343	-691	760	1,995	-1,235
Finished Aviation Gasoline	37	0	37	45	0	45	0	82	-82
Kerosene-Type Jet Fuel	15,747	434	15,313	1,887	1,005	882	47	17,254	-17,207
Kerosene	109	0	109	0	0	-	0	109	-109
Distillate Fuel Oil	30,337	2,357	27,980	4,140	3,004	1,136	886	31,305	-30,419
15 ppm sulfur and under	30,123	2,357	27,766	3,936	3,004	932	886	30,887	-30,001
Greater than 15 ppm to 500 ppm sulfur	0	0	-	133	0	133	0	133	-133
Greater than 500 ppm sulfur	214	0	214	71	0	71	0	285	-285
Residual Fuel Oil	57	0	57	0	955	-955	955	57	898
Petrochemical Feedstocks	0	0	-	18	85	-67	85	18	67
Naphtha for Petrochemical Feedstock Use	0	0	-	18	85	-67	85	18	67
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	15	0	15	0	15	-15
Lubricants	362	0	362	159	19	140	19	521	-502
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	427	3	424	38	1,708	-1,670	1,337	64	1,273
Asphalt and Road Oil	1,097	85	1,011	219	1,412	-1,193	605	483	121
Miscellaneous Products	0	0	-	20	0	20	0	20	-20
Total	136,496	16,605	119,890	110,846	171,320	-60,474	120,845	158,175	-37,330

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 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	8,508	33,209	-24,701	3,681	0	3,681
Petroleum Products	14,780	32,047	-17,267	16,392	190	16,201
Natural Gas Liquids	11,645	28,044	-16,399	2,150	0	2,150
Ethane	2,497	7,465	-4,968	—	—	—
Propane	4,804	10,396	-5,592	578	0	578
Normal Butane	1,962	4,467	-2,505	1,291	0	1,291
Isobutane	693	1,959	-1,266	281	0	281
Natural Gasoline	1,689	3,757	-2,068	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	1,035	1,529	-494	5,233	0	5,233
Reformulated - RBOB	643	0	643	2,098	0	2,098
Conventional	392	1,529	-1,137	3,135	0	3,135
CBOB	392	1,529	-1,137	3,135	0	3,135
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	463	402	61	6,479	3	6,476
Fuel Ethanol	432	81	351	3,689	0	3,689
Biodiesel	25	0	25	425	3	422
Renewable Diesel Fuel	6	321	-315	2,365	0	2,365
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	0	525	-525	84	0	84
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	525	-525	84	0	84
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	—	—	—	0	0	—
Conventional Other	0	525	-525	84	0	84
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	809	18	791	271	50	221
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	691	740	-49	1,352	0	1,352
15 ppm sulfur and under	691	740	-49	1,352	0	1,352
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	—	—	—	—	—	—
Other Oils for Petrochemical Feedstock Use	0	0	—	0	0	—
Special Naphthas	0	0	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	—	—	—	0	0	—
Marketable Petroleum Coke	91	408	-318	410	120	291
Asphalt and Road Oil	46	381	-335	413	18	395
Miscellaneous Products	0	0	—	0	0	—
Total	23,288	65,256	-41,968	20,073	190	19,882

— = 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.

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.