

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	139	30	184	51,477	5,631	123	24,011	0	-
Petroleum Products	16,220	0	8,359	34,087	13,010	81,186	18,715	0	4,503
Natural Gas Liquids	7,008	0	6,014	31,586	8,682	2,298	12,923	0	-
Ethane	5,377	0	441	14,144	2,018	0	1,111	0	-
Propane	975	0	4,138	8,735	3,456	2,298	1,905	0	-
Normal Butane	125	0	1,435	4,086	1,451	0	616	0	-
Isobutane	292	0	0	1,540	514	0	1,004	0	-
Natural Gasoline	239	0	0	3,081	1,243	0	8,287	0	-
Motor Gasoline Blending Components	6,601	0	357	1,432	2,117	45,631	2,627	0	3,505
Reformulated - RBOB	0	0	0	231	-	6,894	435	-	1,876
Conventional	6,601	0	357	1,201	2,117	38,737	2,192	0	1,629
CBOB	6,601	0	357	1,201	2,117	38,333	2,192	0	1,629
GTAB	-	-	-	-	-	-	-	-	-
Other	-	0	0	0	-	404	-	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	58	0	347	0	131	1,514	328	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	58	0	347	0	131	1,514	328	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	58	0	347	0	131	1,514	328	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	309	0	937	39	1,074	8,627	1,755	0	217
Kerosene	-	0	0	0	-	298	-	-	-
Distillate Fuel Oil	2,244	0	704	1,030	1,006	22,818	1,082	0	781
15 ppm sulfur and under	2,244	0	704	1,030	1,006	22,640	994	0	781
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	88	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	178	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,359	30	8,543	85,564	18,641	81,309	42,726	0	4,503

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	26,548	284	—	0	0
Petroleum Products	0	19,663	2,961	1,728	0	0
Natural Gas Liquids	0	18,675	2,961	—	0	0
Ethane	0	5,298	901	—	0	0
Propane	0	6,957	950	—	0	0
Normal Butane	0	2,873	425	—	0	0
Isobutane	0	1,112	209	—	0	0
Natural Gasoline	0	2,435	476	—	0	0
Motor Gasoline Blending Components	0	148	0	1,305	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	148	0	1,305	0	0
CBOB	0	148	0	1,305	0	0
GTAB	—	—	—	—	—	—
Other	0	—	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	371	0	59	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	371	0	59	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	371	0	59	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	8	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	457	0	356	0	0
15 ppm sulfur and under	0	457	0	356	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	46,211	3,245	1,728	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, February 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	129	17	186	51,860	5,438	108	17,833	0	-
Petroleum Products	15,025	0	7,875	35,433	12,531	80,783	16,105	0	4,377
Natural Gas Liquids	6,746	0	5,731	33,392	8,779	1,573	9,380	0	-
Ethane	5,372	0	446	14,522	2,074	0	929	0	-
Propane	808	0	3,971	11,456	3,488	1,573	1,461	0	-
Normal Butane	107	0	1,314	3,470	1,460	0	473	0	-
Isobutane	249	0	0	1,300	515	0	612	0	-
Natural Gasoline	210	0	0	2,644	1,242	0	5,905	0	-
Motor Gasoline Blending Components	5,469	0	352	1,190	2,033	44,515	3,637	0	3,344
Reformulated - RBOB	0	0	0	0	-	6,520	1,123	-	1,845
Conventional	5,469	0	352	1,190	2,033	37,995	2,514	0	1,499
CBOB	5,469	0	352	1,190	2,033	36,883	2,461	0	1,499
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	1,112	53	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	73	0	391	0	126	1,095	401	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	73	0	391	0	126	1,095	401	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	73	0	391	0	126	1,095	401	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	292	0	608	30	834	10,143	1,837	0	156
Kerosene	-	0	0	0	-	298	-	-	-
Distillate Fuel Oil	2,445	0	793	821	759	23,159	850	0	877
15 ppm sulfur and under	2,445	0	793	821	759	22,951	794	0	877
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	56	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	208	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	15,154	17	8,061	87,293	17,969	80,891	33,938	0	4,377

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, February 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	24,078	265	—	0	0
Petroleum Products	0	18,395	3,008	1,567	0	0
Natural Gas Liquids	0	17,631	3,008	—	0	0
Ethane	0	5,050	806	—	0	0
Propane	0	6,543	1,033	—	0	0
Normal Butane	0	2,709	434	—	0	0
Isobutane	0	1,036	241	—	0	0
Natural Gasoline	0	2,293	494	—	0	0
Motor Gasoline Blending Components	0	177	0	1,107	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	177	0	1,107	0	0
CBOB	0	177	0	1,107	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	234	0	86	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	234	0	86	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	234	0	86	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	35	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	341	0	339	0	0
15 ppm sulfur and under	0	341	0	339	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	42,473	3,273	1,567	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	145	18	254	61,805	5,453	114	15,050	0	-
Petroleum Products	16,617	0	8,636	41,700	13,899	80,115	17,131	0	3,950
Natural Gas Liquids	7,327	0	6,498	39,746	10,125	1,742	11,038	0	-
Ethane	5,762	0	412	17,954	2,580	0	1,152	0	-
Propane	930	0	4,268	12,864	3,925	1,742	1,390	0	-
Normal Butane	119	0	1,818	4,176	1,649	0	292	0	-
Isobutane	278	0	0	1,609	583	0	628	0	-
Natural Gasoline	238	0	0	3,143	1,388	0	7,576	0	-
Motor Gasoline Blending Components	6,389	0	779	1,138	2,163	47,292	2,308	0	2,981
Reformulated - RBOB	0	0	0	0	-	6,235	113	-	1,521
Conventional	6,389	0	779	1,138	2,163	41,057	2,195	0	1,460
CBOB	6,389	0	779	1,138	2,163	40,505	2,195	0	1,460
GTAB	-	-	-	-	-	-	-	-	-
Other	-	0	0	0	-	552	-	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	45	0	390	0	112	997	463	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	45	0	390	0	112	997	463	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	45	0	390	0	112	997	463	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	369	0	127	83	858	9,365	866	0	235
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,487	0	842	733	641	20,719	2,456	0	734
15 ppm sulfur and under	2,487	0	842	733	641	20,575	2,328	0	734
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	128	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	144	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,762	18	8,890	103,505	19,352	80,229	32,181	0	3,950

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	24,067	274	—	0	0
Petroleum Products	0	21,267	4,134	1,669	0	0
Natural Gas Liquids	0	20,440	4,134	—	0	0
Ethane	0	6,150	1,339	—	0	0
Propane	0	7,452	1,391	—	0	0
Normal Butane	0	3,077	514	—	0	0
Isobutane	0	1,179	316	—	0	0
Natural Gasoline	0	2,582	574	—	0	0
Motor Gasoline Blending Components	0	166	0	1,207	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	166	0	1,207	0	0
CBOB	0	166	0	1,207	0	0
GTAB	—	—	—	—	—	—
Other	0	—	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	339	0	75	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	339	0	75	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	339	0	75	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	30	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	310	0	357	0	0
15 ppm sulfur and under	0	310	0	357	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	45,334	4,408	1,669	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	160	12	248	61,371	5,374	107	22,582	0	-
Petroleum Products	16,652	0	10,034	41,170	14,276	78,336	18,705	0	3,190
Natural Gas Liquids	6,470	0	6,987	39,008	10,706	1,561	10,093	0	-
Ethane	5,129	0	0	18,075	3,049	0	903	0	-
Propane	934	0	5,335	11,862	4,025	1,561	1,297	0	-
Normal Butane	119	0	1,652	4,627	1,667	0	536	0	-
Isobutane	279	0	0	1,459	586	0	635	0	-
Natural Gasoline	9	0	0	2,985	1,379	0	6,722	0	-
Motor Gasoline Blending Components	6,899	0	683	1,314	2,061	44,019	3,809	0	2,492
Reformulated - RBOB	0	0	0	210	-	7,691	1,783	-	1,109
Conventional	6,899	0	683	1,104	2,061	36,328	2,026	0	1,383
CBOB	6,899	0	683	1,104	2,061	35,484	1,927	0	1,383
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	844	99	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	57	0	799	0	106	1,168	632	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	57	0	799	0	106	1,168	632	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	57	0	799	0	106	1,168	632	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	391	0	820	30	818	11,955	1,122	0	110
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,835	0	745	818	585	19,633	3,049	0	588
15 ppm sulfur and under	2,835	0	745	818	585	19,469	2,980	0	588
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	69	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	164	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,812	12	10,282	102,541	19,650	78,443	41,287	0	3,190

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	23,894	315	—	0	0
Petroleum Products	0	21,628	3,697	1,531	0	0
Natural Gas Liquids	0	21,131	3,697	—	0	0
Ethane	0	6,590	1,291	—	0	0
Propane	0	7,598	1,167	—	0	0
Normal Butane	0	3,136	452	—	0	0
Isobutane	0	1,206	282	—	0	0
Natural Gasoline	0	2,601	505	—	0	0
Motor Gasoline Blending Components	0	159	0	1,122	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	159	0	1,122	0	0
CBOB	0	159	0	1,122	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	130	0	101	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	130	0	101	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	130	0	101	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	0	0	1	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	208	0	307	0	0
15 ppm sulfur and under	0	208	0	307	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	45,522	4,012	1,531	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, May 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	131	20	200	61,715	6,430	118	24,666	0	-
Petroleum Products	17,333	0	10,493	38,339	15,155	79,706	22,877	0	3,683
Natural Gas Liquids	7,316	0	7,362	36,046	11,219	341	10,232	0	-
Ethane	5,881	0	0	17,821	2,946	0	937	0	-
Propane	997	0	5,603	10,222	4,265	341	1,263	0	-
Normal Butane	127	0	1,759	3,996	1,825	0	556	0	-
Isobutane	302	0	0	1,316	632	0	631	0	-
Natural Gasoline	9	0	0	2,691	1,551	0	6,845	0	-
Motor Gasoline Blending Components	6,670	0	533	1,288	2,298	46,035	6,301	0	2,928
Reformulated - RBOB	0	0	0	144	-	9,759	4,062	-	1,432
Conventional	6,670	0	533	1,144	2,298	36,276	2,239	0	1,496
CBOB	6,670	0	533	1,144	2,298	35,670	2,191	0	1,496
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	606	48	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	106	0	892	0	114	628	2,095	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	106	0	892	0	114	628	2,095	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	106	0	892	0	114	628	2,095	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	401	0	829	59	630	13,074	1,098	0	92
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,840	0	877	946	894	19,628	3,151	0	663
15 ppm sulfur and under	2,840	0	877	946	894	19,417	3,053	0	663
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	98	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	211	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	17,464	20	10,693	100,054	21,585	79,824	47,543	0	3,683

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, May 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	27,856	307	—	0	0
Petroleum Products	0	22,622	3,903	1,491	0	0
Natural Gas Liquids	0	22,185	3,903	—	0	0
Ethane	0	6,800	1,364	—	0	0
Propane	0	7,962	1,235	—	0	0
Normal Butane	0	3,312	480	—	0	0
Isobutane	0	1,287	293	—	0	0
Natural Gasoline	0	2,824	531	—	0	0
Motor Gasoline Blending Components	0	201	0	1,145	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	201	0	1,145	0	0
CBOB	0	201	0	1,145	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	45	0	102	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	45	0	102	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	45	0	102	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	0	0	1	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	191	0	243	0	0
15 ppm sulfur and under	0	191	0	243	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	50,478	4,210	1,491	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	140	12	231	56,056	6,786	109	23,932	0	-
Petroleum Products	17,391	0	10,581	37,064	14,438	77,618	21,462	0	4,482
Natural Gas Liquids	7,404	0	7,724	35,081	10,617	407	9,895	0	-
Ethane	6,117	0	573	16,120	2,273	0	1,022	0	-
Propane	889	0	5,233	9,505	4,236	407	1,138	0	-
Normal Butane	115	0	1,918	4,828	1,845	0	294	0	-
Isobutane	276	0	0	1,430	636	0	941	0	-
Natural Gasoline	7	0	0	3,198	1,627	0	6,500	0	-
Motor Gasoline Blending Components	6,651	0	464	1,139	2,084	43,988	6,286	0	3,329
Reformulated - RBOB	0	0	0	0	-	9,711	4,218	-	1,789
Conventional	6,651	0	464	1,139	2,084	34,277	2,068	0	1,540
CBOB	6,651	0	464	1,139	2,084	34,277	2,068	0	1,540
GTAB	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	95	0	682	0	101	762	877	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	95	0	682	0	101	762	877	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	95	0	682	0	101	762	877	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	377	0	984	55	827	12,659	1,086	0	261
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,864	0	727	789	809	19,802	3,318	0	892
15 ppm sulfur and under	2,864	0	727	789	809	19,558	3,213	0	892
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	105	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	244	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	17,531	12	10,812	93,120	21,224	77,727	45,394	0	4,482

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	27,188	295	—	0	0
Petroleum Products	0	22,170	4,905	1,433	0	0
Natural Gas Liquids	0	21,162	4,905	—	0	0
Ethane	0	5,818	1,872	—	0	0
Propane	0	7,816	1,507	—	0	0
Normal Butane	0	3,333	445	—	0	0
Isobutane	0	1,283	366	—	0	0
Natural Gasoline	0	2,912	715	—	0	0
Motor Gasoline Blending Components	0	231	0	1,042	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	231	0	1,042	0	0
CBOB	0	231	0	1,042	0	0
GTAB	—	—	—	—	—	—
Other	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	369	0	87	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	369	0	87	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	369	0	87	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	23	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	396	0	281	0	0
15 ppm sulfur and under	0	396	0	281	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	49,358	5,200	1,433	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, July 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	123	19	237	61,106	6,852	114	21,546	0	-
Petroleum Products	17,013	0	8,813	40,539	15,351	82,669	21,791	0	4,385
Natural Gas Liquids	7,275	0	6,520	38,546	11,265	936	11,750	0	-
Ethane	6,041	0	542	16,771	2,486	0	1,031	0	-
Propane	853	0	4,745	11,869	4,458	936	1,689	0	-
Normal Butane	110	0	1,233	4,781	1,936	0	307	0	-
Isobutane	265	0	0	1,437	669	0	893	0	-
Natural Gasoline	6	0	0	3,688	1,716	0	7,830	0	-
Motor Gasoline Blending Components	6,764	0	624	1,231	2,466	46,785	5,821	0	3,235
Reformulated - RBOB	0	0	0	0	-	11,450	3,195	-	1,669
Conventional	6,764	0	624	1,231	2,466	35,335	2,626	0	1,566
CBOB	6,764	0	624	1,231	2,466	34,984	2,486	0	1,566
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	351	140	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	103	0	576	0	161	841	1,005	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	103	0	576	0	161	841	1,005	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	103	0	576	0	161	841	1,005	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	431	0	151	30	911	13,404	1,097	0	227
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,440	0	942	732	548	20,703	2,118	0	923
15 ppm sulfur and under	2,440	0	942	732	548	20,472	2,009	0	923
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	109	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	231	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	17,136	19	9,050	101,645	22,203	82,783	43,337	0	4,385

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, July 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	26,198	317	—	0	0
Petroleum Products	0	23,417	4,914	1,460	0	0
Natural Gas Liquids	0	22,385	4,914	—	0	0
Ethane	0	6,421	1,766	—	0	0
Propane	0	8,100	1,487	—	0	0
Normal Butane	0	3,461	576	—	0	0
Isobutane	0	1,335	354	—	0	0
Natural Gasoline	0	3,068	731	—	0	0
Motor Gasoline Blending Components	0	222	0	1,118	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	222	0	1,118	0	0
CBOB	0	222	0	1,118	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	394	0	91	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	394	0	91	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	394	0	91	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	11	0	32	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	405	0	219	0	0
15 ppm sulfur and under	0	405	0	219	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	49,615	5,231	1,460	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	114	20	200	58,318	7,376	107	19,074	0	-
Petroleum Products	17,642	0	9,863	41,308	15,511	81,864	19,796	0	4,011
Natural Gas Liquids	7,415	0	7,305	39,415	11,519	1,264	10,975	0	-
Ethane	6,046	0	0	17,692	2,661	0	1,081	0	-
Propane	947	0	5,670	11,891	4,531	1,264	1,723	0	-
Normal Butane	122	0	1,635	4,572	1,928	0	616	0	-
Isobutane	293	0	0	1,532	673	0	701	0	-
Natural Gasoline	7	0	0	3,728	1,726	0	6,854	0	-
Motor Gasoline Blending Components	6,860	0	736	988	2,252	46,306	5,123	0	2,875
Reformulated - RBOB	0	0	0	0	-	10,330	2,621	-	1,306
Conventional	6,860	0	736	988	2,252	35,976	2,502	0	1,569
CBOB	6,860	0	736	988	2,252	35,443	2,402	0	1,569
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	533	100	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	97	0	685	0	145	696	420	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	97	0	685	0	145	696	420	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	97	0	685	0	145	696	420	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	381	0	207	59	815	12,348	1,173	0	259
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,889	0	930	846	780	21,250	2,105	0	877
15 ppm sulfur and under	2,889	0	930	846	780	21,221	1,987	0	877
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	118	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	29	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	17,756	20	10,063	99,626	22,887	81,971	38,870	0	4,011

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	27,622	317	—	0	0
Petroleum Products	0	23,818	4,471	1,429	0	0
Natural Gas Liquids	0	22,792	4,471	—	0	0
Ethane	0	6,596	1,511	—	0	0
Propane	0	8,243	1,478	—	0	0
Normal Butane	0	3,485	427	—	0	0
Isobutane	0	1,338	342	—	0	0
Natural Gasoline	0	3,130	713	—	0	0
Motor Gasoline Blending Components	0	250	0	1,094	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	250	0	1,094	0	0
CBOB	0	250	0	1,094	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	329	0	124	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	329	0	124	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	329	0	124	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	15	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	435	0	196	0	0
15 ppm sulfur and under	0	435	0	196	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	51,440	4,788	1,429	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	164	26	238	63,986	8,062	113	18,039	0	-
Petroleum Products	16,811	0	8,314	39,595	14,905	76,017	19,656	0	3,725
Natural Gas Liquids	7,689	0	5,806	37,983	11,506	1,174	11,118	0	-
Ethane	6,240	0	288	18,164	2,635	0	1,018	0	-
Propane	1,006	0	4,285	10,672	4,590	1,174	1,512	0	-
Normal Butane	129	0	1,233	3,999	1,907	0	385	0	-
Isobutane	305	0	0	1,459	668	0	1,175	0	-
Natural Gasoline	9	0	0	3,689	1,706	0	7,028	0	-
Motor Gasoline Blending Components	6,181	0	704	1,096	1,739	44,333	4,768	0	2,644
Reformulated - RBOB	0	0	0	0	203	6,067	2,250	0	976
Conventional	6,181	0	704	1,096	1,536	38,266	2,518	0	1,668
CBOB	6,181	0	704	1,096	1,536	37,553	2,066	0	1,668
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	713	452	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	66	0	660	0	113	732	217	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	66	0	660	0	113	732	217	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	66	0	660	0	113	732	217	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	357	0	94	60	700	11,480	1,248	0	229
Kerosene	-	0	0	0	-	174	-	-	-
Distillate Fuel Oil	2,518	0	1,050	456	847	18,124	2,305	0	852
15 ppm sulfur and under	2,518	0	1,050	456	847	17,926	2,168	0	852
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	137	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	198	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,975	26	8,552	103,581	22,967	76,130	37,695	0	3,725

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	26,706	289	—	0	0
Petroleum Products	0	23,218	5,162	1,484	0	0
Natural Gas Liquids	0	22,220	5,162	—	0	0
Ethane	0	6,468	1,937	—	0	0
Propane	0	8,109	1,512	—	0	0
Normal Butane	0	3,367	577	—	0	0
Isobutane	0	1,289	352	—	0	0
Natural Gasoline	0	2,987	784	—	0	0
Motor Gasoline Blending Components	0	217	0	1,113	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	217	0	1,113	0	0
CBOB	0	217	0	1,113	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	413	0	103	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	413	0	103	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	413	0	103	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	9	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	356	0	259	0	0
15 ppm sulfur and under	0	356	0	259	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	49,924	5,451	1,484	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	163	20	306	68,932	8,383	115	20,230	0	-
Petroleum Products	15,942	0	9,332	40,075	14,243	83,688	18,438	0	5,124
Natural Gas Liquids	6,699	0	6,953	38,370	11,637	1,595	10,964	0	-
Ethane	5,250	0	170	18,469	2,846	0	975	0	-
Propane	1,003	0	5,351	11,330	4,598	1,595	998	0	-
Normal Butane	130	0	1,432	3,564	1,887	0	599	0	-
Isobutane	310	0	0	1,484	670	0	547	0	-
Natural Gasoline	6	0	0	3,523	1,636	0	7,845	0	-
Motor Gasoline Blending Components	6,136	0	739	890	949	46,567	3,091	0	3,587
Reformulated - RBOB	0	0	0	0	342	7,908	1,566	0	1,918
Conventional	6,136	0	739	890	607	38,659	1,525	0	1,669
CBOB	6,136	0	739	890	607	38,145	1,060	0	1,669
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	514	465	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	55	0	893	0	0	825	156	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	55	0	893	0	0	825	156	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	55	0	893	0	0	825	156	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	456	0	175	30	885	14,357	1,443	0	323
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,596	0	572	785	772	20,344	2,784	0	1,214
15 ppm sulfur and under	2,596	0	572	785	772	20,156	2,689	0	1,214
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	95	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	188	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,105	20	9,638	109,007	22,626	83,803	38,668	0	5,124

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	28,037	273	—	0	0
Petroleum Products	0	24,019	5,235	1,722	0	0
Natural Gas Liquids	0	22,933	5,235	—	0	0
Ethane	0	6,860	2,158	—	0	0
Propane	0	8,372	1,482	—	0	0
Normal Butane	0	3,402	556	—	0	0
Isobutane	0	1,309	344	—	0	0
Natural Gasoline	0	2,990	695	—	0	0
Motor Gasoline Blending Components	0	213	0	1,241	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	213	0	1,241	0	0
CBOB	0	213	0	1,241	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	366	0	95	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	366	0	95	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	366	0	95	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	27	0	44	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	480	0	342	0	0
15 ppm sulfur and under	0	480	0	342	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	52,056	5,508	1,722	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, November 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	134	13	273	64,685	8,062	108	23,463	0	-
Petroleum Products	16,763	0	7,744	38,190	14,605	84,661	18,067	0	4,537
Natural Gas Liquids	7,512	0	5,200	36,436	12,167	1,653	11,098	0	-
Ethane	6,022	0	0	17,744	2,990	0	988	0	-
Propane	1,030	0	3,933	10,864	4,749	1,653	1,547	0	-
Normal Butane	134	0	1,267	3,324	1,979	0	521	0	-
Isobutane	319	0	0	1,458	707	0	898	0	-
Natural Gasoline	7	0	0	3,046	1,742	0	7,144	0	-
Motor Gasoline Blending Components	6,090	0	688	1,088	805	46,175	2,936	0	3,706
Reformulated - RBOB	0	0	0	0	320	7,631	688	0	2,082
Conventional	6,090	0	688	1,088	485	38,544	2,248	0	1,624
CBOB	6,090	0	688	1,088	485	37,981	1,466	0	1,624
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	563	782	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	69	0	666	0	0	1,139	380	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	69	0	666	0	0	1,139	380	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	69	0	666	0	0	1,139	380	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	407	0	192	32	820	12,253	1,894	0	178
Kerosene	-	0	0	0	-	108	-	-	-
Distillate Fuel Oil	2,685	0	998	634	813	23,333	1,759	0	653
15 ppm sulfur and under	2,685	0	998	634	813	23,205	1,633	0	653
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	126	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	128	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,897	13	8,017	102,875	22,667	84,769	41,530	0	4,537

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, November 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	28,357	292	—	0	0
Petroleum Products	0	23,526	4,543	1,612	0	0
Natural Gas Liquids	0	22,529	4,543	—	0	0
Ethane	0	6,450	1,500	—	0	0
Propane	0	8,355	1,455	—	0	0
Normal Butane	0	3,417	415	—	0	0
Isobutane	0	1,322	474	—	0	0
Natural Gasoline	0	2,985	699	—	0	0
Motor Gasoline Blending Components	0	213	0	1,124	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	213	0	1,124	0	0
CBOB	0	213	0	1,124	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	377	0	67	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	377	0	67	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	377	0	67	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	8	0	44	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	399	0	377	0	0
15 ppm sulfur and under	0	399	0	377	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	51,883	4,835	1,612	0	0

— = Not Applicable.

— = No Data Reported.

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

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

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, December 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	138	16	260	62,256	8,508	108	22,099	0	-
Petroleum Products	15,438	0	8,679	37,001	14,180	88,583	16,763	0	5,170
Natural Gas Liquids	7,244	0	6,113	34,923	11,645	2,085	11,139	0	-
Ethane	5,743	0	13	15,208	2,497	0	976	0	-
Propane	1,038	0	5,002	11,555	4,804	2,085	1,482	0	-
Normal Butane	135	0	1,098	3,554	1,962	0	486	0	-
Isobutane	321	0	0	1,473	693	0	777	0	-
Natural Gasoline	7	0	0	3,133	1,689	0	7,418	0	-
Motor Gasoline Blending Components	5,335	0	744	1,198	1,035	47,613	2,961	0	3,906
Reformulated - RBOB	0	0	0	222	643	8,181	980	0	2,098
Conventional	5,335	0	744	976	392	39,432	1,981	0	1,808
CBOB	5,335	0	744	976	392	39,092	1,328	0	1,808
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	340	653	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	68	0	539	0	0	1,501	55	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	68	0	539	0	0	1,501	55	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	68	0	539	0	0	1,501	55	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	434	0	129	47	809	11,655	1,393	0	265
Kerosene	-	0	0	0	-	109	-	-	-
Distillate Fuel Oil	2,357	0	1,154	833	691	25,620	1,215	0	999
15 ppm sulfur and under	2,357	0	1,154	833	691	25,486	1,082	0	999
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	133	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	134	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	15,576	16	8,939	99,257	22,688	88,691	38,862	0	5,170

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, December 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	30,386	265	—	0	0
Petroleum Products	0	23,712	4,556	1,770	0	0
Natural Gas Liquids	0	22,670	4,556	—	0	0
Ethane	0	5,963	1,502	—	0	0
Propane	0	8,719	1,465	—	0	0
Normal Butane	0	3,553	417	—	0	0
Isobutane	0	1,375	475	—	0	0
Natural Gasoline	0	3,060	697	—	0	0
Motor Gasoline Blending Components	0	202	0	1,327	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	202	0	1,327	0	0
CBOB	0	202	0	1,327	0	0
GTAB	—	—	—	—	—	—
Other	0	0	0	—	0	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	441	0	84	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	441	0	84	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	441	0	84	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	6	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	387	0	353	0	0
15 ppm sulfur and under	0	387	0	353	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	54,098	4,821	1,770	0	0

— = Not Applicable.

— = No Data Reported.

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

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