

Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	4,589	246	0	12,984	725,356	82,355	41,684	15,718	252,525
Petroleum Products	204,119	1,019	0	270,245	591,158	178,440	67,503	1,236,475	247,362
Natural Gas Liquids	90,251	554	0	94,576	447,232	129,867	9,146	19,400	133,558
Ethane	68,980	0	—	2,885	202,684	31,055	—	0	12,123
Propane	12,009	58	0	68,062	137,205	51,125	4,221	19,319	18,045
Normal Butane	3,283	210	0	22,240	50,565	21,496	4,204	82	6,522
Isobutane	5,226	286	0	1,389	18,229	7,546	721	0	10,914
Natural Gasoline	754	0	—	0	38,549	18,645	—	0	85,954
Refinery Olefins	0	0	—	2,698	5,998	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	2,698	5,998	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	444	0	0	0	12,508	—	0	765	3,336
Motor Gasoline Blending Components	76,098	0	0	16,132	16,632	22,002	0	704,361	50,473
Reformulated - RBOB	0	0	0	0	807	1,508	0	98,460	23,034
Conventional	76,098	0	0	16,132	15,825	20,494	0	605,901	27,439
CBOB	76,098	0	0	16,132	14,093	20,494	0	597,532	23,998
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	1,732	—	0	8,369	3,441
Biofuels (including Fuel Ethanol)	24	10	0	112,813	72,605	5,773	55,606	33	95
Fuel Ethanol	0	0	0	111,401	69,557	5,533	46,909	0	0
Biodiesel	24	10	0	1,412	3,048	240	3,597	0	64
Renewable Diesel Fuel	0	0	0	0	0	0	5,100	33	31
Other Biofuels ²	—	0	0	0	0	0	0	0	—
Finished Motor Gasoline	892	0	0	8,284	1,634	1,109	0	18,625	8,594
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	892	0	0	8,284	1,634	1,109	0	18,625	8,594
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	892	0	0	8,284	1,634	1,109	0	18,625	8,594
Finished Aviation Gasoline	0	0	—	0	0	—	—	1,180	309
Kerosene-Type Jet Fuel	4,605	268	0	5,775	732	9,981	0	180,650	17,545
Kerosene	—	0	—	0	0	—	—	987	—
Distillate Fuel Oil	31,318	70	0	14,928	10,557	9,145	0	300,879	28,725
15 ppm sulfur and under	31,318	70	0	14,928	10,505	9,145	0	297,806	27,392
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	52	—	—	99	1,262
Greater than 500 ppm sulfur	0	0	—	0	0	—	—	2,974	71
Residual Fuel Oil	0	0	—	0	7,893	—	—	57	0
Petrochemical Feedstocks	0	0	—	0	1,073	—	—	300	276
Naphtha for Petrochemical Feedstock Use	0	0	—	0	851	—	—	300	276
Other Oils for Petrochemical Feedstock Use	0	0	—	—	222	—	—	—	0
Special Naphthas	0	0	—	0	0	—	—	148	251
Lubricants	0	0	0	72	154	—	0	4,822	2,056
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	102	0	4,079	9,656	136	221	527	243
Asphalt and Road Oil	487	14	0	10,887	4,484	427	2,530	3,741	1,788
Miscellaneous Products	0	0	—	—	0	—	—	—	113
Total	208,708	1,265	0	283,229	1,316,514	260,795	109,186	1,252,193	499,887

See footnotes at end of table.

Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail¹ Between PAD Districts, 2023
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to			
	4	5	1	2	3	5	1	2	3	4
Crude Oil	0	0	0	321,573	19,602	0	0	0	0	0
Petroleum Products	57	75,882	23	270,173	54,656	32,315	101	274	952	613
Natural Gas Liquids	0	1,272	0	256,753	51,489	4,705	0	0	0	0
Ethane	0	—	0	74,464	17,947	—	0	0	0	0
Propane	0	0	0	94,226	16,162	1,965	0	0	0	0
Normal Butane	0	636	0	39,125	5,718	2,174	0	0	0	0
Isobutane	0	635	0	15,071	4,048	566	0	0	0	0
Natural Gasoline	0	—	0	33,867	7,614	—	0	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	0	0	0	0	0	0	0	460	—
Motor Gasoline Blending Components	0	38,770	0	2,399	0	13,945	0	0	50	0
Reformulated - RBOB	0	19,701	0	0	0	0	0	0	0	0
Conventional	0	19,069	0	2,399	0	13,945	0	0	50	0
CBOB	0	18,911	0	2,399	0	13,945	0	0	0	0
GTAB	—	—	—	—	—	—	—	—	—	—
Other	—	158	0	0	0	0	0	0	50	—
Biofuels (including Fuel Ethanol)	34	22,029	0	6	0	4,634	0	3	0	117
Fuel Ethanol	0	4,283	0	0	0	718	0	0	0	0
Biodiesel	3	324	0	0	0	0	0	0	0	104
Renewable Diesel Fuel	31	17,422	0	6	0	3,916	0	3	0	13
Other Biofuels ²	—	0	0	—	0	0	0	—	0	—
Finished Motor Gasoline	0	0	0	3,808	0	1,074	0	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	3,808	0	1,074	0	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	3,808	0	1,074	0	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	0	—
Kerosene-Type Jet Fuel	0	2,552	0	130	0	248	50	0	0	0
Kerosene	—	—	0	—	0	—	0	—	0	—
Distillate Fuel Oil	0	10,053	0	4,365	0	3,629	0	0	49	0
15 ppm sulfur and under	0	10,053	0	4,365	0	3,629	0	0	49	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	0	—
Greater than 500 ppm sulfur	—	—	0	0	0	—	0	0	0	—
Residual Fuel Oil	—	—	0	0	0	—	0	0	0	—
Petrochemical Feedstocks	—	—	0	0	0	—	0	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	0	0	0	—	0	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	0	—
Special Naphthas	—	—	0	0	0	—	0	0	0	—
Lubricants	—	99	0	0	0	0	0	0	87	—
Waxes	—	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	16	0	1,710	1,146	1,482	48	271	303	210
Asphalt and Road Oil	22	1,091	23	1,001	2,021	2,597	3	0	3	286
Miscellaneous Products	—	—	—	0	0	—	—	0	0	—
Total	57	75,882	23	591,746	74,258	32,315	101	274	952	613

— = 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.