

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2022**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b> .....	<b>4,294</b>	<b>1,760</b>	<b>0</b>	<b>18,188</b>	<b>623,016</b>	<b>74,618</b>	<b>30,045</b>	<b>24,281</b>	<b>227,415</b>
<b>Petroleum Products</b> .....	<b>201,355</b>	<b>877</b>	<b>3</b>	<b>255,087</b>	<b>554,643</b>	<b>165,560</b>	<b>58,380</b>	<b>1,216,772</b>	<b>240,696</b>
Natural Gas Liquids .....	86,519	688	0	90,309	408,901	118,217	7,795	20,209	130,312
Ethane .....	63,151	0	-	993	194,605	34,534	-	0	15,035
Propane .....	11,795	71	0	66,559	118,702	43,387	3,082	19,929	20,958
Normal Butane .....	3,292	387	0	21,425	43,952	18,571	4,155	267	6,469
Isobutane .....	5,191	230	0	1,333	16,398	6,575	557	13	13,152
Natural Gasoline .....	3,089	0	-	0	35,243	15,150	-	0	74,698
Refinery Olefins .....	0	0	-	3,692	6,055	-	-	0	0
Ethylene .....	-	-	-	-	-	-	-	-	-
Propylene .....	0	0	-	3,692	6,055	-	-	0	0
Normal Butylene .....	-	-	-	-	-	-	-	-	-
Isobutylene .....	-	-	-	-	-	-	-	-	-
Unfinished Oils .....	445	0	0	0	12,721	0	0	394	4,314
Motor Gasoline Blending Components .....	76,806	0	0	14,946	19,974	22,697	0	678,488	44,752
Reformulated - RBOB .....	0	0	0	0	1,775	40	0	96,847	15,389
Conventional .....	76,806	0	0	14,946	18,199	22,657	0	581,641	29,363
CBOB .....	76,806	0	0	14,946	16,616	22,657	0	570,464	26,856
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	1,583	-	0	11,177	2,507
Biofuels (including Fuel Ethanol) .....	63	0	3	106,195	67,659	5,229	48,090	696	116
Fuel Ethanol .....	0	0	0	104,149	64,549	4,939	44,322	684	0
Biodiesel .....	63	0	3	2,046	3,110	290	3,767	12	116
Renewable Diesel Fuel .....	-	0	0	-	0	-	0	-	-
Other Biofuels <sup>2</sup> .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	916	0	0	8,186	1,226	1,284	0	20,560	13,319
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	916	0	0	8,186	1,226	1,284	0	20,560	13,319
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	916	0	0	8,186	1,226	1,284	0	20,560	13,319
Finished Aviation Gasoline .....	0	0	-	0	52	-	-	884	314
Kerosene-Type Jet Fuel .....	4,157	0	0	1,516	293	8,448	0	172,016	15,107
Kerosene .....	26	0	-	0	0	-	-	309	0
Distillate Fuel Oil .....	32,159	0	0	16,500	11,828	9,447	0	312,860	26,764
15 ppm sulfur and under .....	32,159	0	0	16,500	11,828	9,447	0	302,589	25,271
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	0	-	-	73	1,444
Greater than 500 ppm sulfur .....	0	0	-	0	0	-	-	10,198	49
Residual Fuel Oil .....	0	0	-	0	10,464	-	-	265	36
Petrochemical Feedstocks .....	0	31	-	0	1,093	-	-	0	171
Naphtha for Petrochemical Feedstock Use .....	0	0	-	-	893	-	-	-	136
Other Oils for Petrochemical Feedstock Use .....	0	31	-	0	200	-	-	0	35
Special Naphthas .....	0	0	-	0	195	-	-	25	294
Lubricants .....	0	0	0	116	153	-	0	5,829	2,444
Waxes .....	-	-	-	-	-	-	-	-	-
Marketable Petroleum Coke .....	0	146	0	3,877	9,313	156	322	344	276
Asphalt and Road Oil .....	265	13	0	9,750	4,716	82	2,174	3,893	2,387
Miscellaneous Products .....	0	0	-	-	0	-	-	-	90
<b>Total</b> .....	<b>205,649</b>	<b>2,637</b>	<b>3</b>	<b>273,275</b>	<b>1,177,659</b>	<b>240,178</b>	<b>88,425</b>	<b>1,241,053</b>	<b>468,111</b>

See footnotes at end of table.

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2022**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to			
	4	5	1	2	3	5	1	2	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>188</b>	<b>0</b>	<b>299,514</b>	<b>11,914</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>25</b>	<b>68,166</b>	<b>5</b>	<b>255,588</b>	<b>55,719</b>	<b>26,875</b>	<b>33</b>	<b>430</b>	<b>781</b>	<b>693</b>
Natural Gas Liquids .....	0	1,386	0	241,607	53,222	3,907	0	0	0	0
Ethane .....	0	—	0	77,019	20,967	—	0	0	0	0
Propane .....	0	0	0	85,063	15,286	2,024	0	0	0	0
Normal Butane .....	0	568	0	35,510	5,336	1,512	0	0	0	0
Isobutane .....	0	817	0	13,908	4,366	371	0	0	0	0
Natural Gasoline .....	0	—	0	30,107	7,267	—	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	276	0	0	0	0	0	0	0	0
Motor Gasoline Blending Components .....	0	41,052	0	2,357	0	13,631	0	0	0	0
Reformulated - RBOB .....	0	22,942	0	0	0	0	0	0	0	0
Conventional .....	0	18,110	0	2,357	0	13,631	0	0	0	0
CBOB .....	0	18,062	0	2,357	0	13,631	0	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—	—
Other .....	—	48	0	0	0	0	0	0	0	—
Biofuels (including Fuel Ethanol) .....	0	10,547	0	0	0	818	0	0	0	28
Fuel Ethanol .....	0	4,612	0	0	0	818	0	0	0	0
Biodiesel .....	0	912	0	0	0	0	0	0	0	28
Renewable Diesel Fuel .....	—	5,023	—	—	0	0	—	—	0	—
Other Biofuels <sup>2</sup> .....	—	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	4,430	0	1,071	0	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	4,430	0	1,071	0	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	4,430	0	1,071	0	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	0	—
Kerosene-Type Jet Fuel .....	0	2,654	0	228	0	622	0	0	0	0
Kerosene .....	—	—	0	0	0	—	0	0	0	—
Distillate Fuel Oil .....	0	10,792	0	4,317	0	3,710	0	0	0	0
15 ppm sulfur and under .....	0	10,792	0	4,317	0	3,710	0	0	0	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	—
Other Oils for Petrochemical Feedstock Use .....	—	—	0	0	0	—	0	0	0	—
Special Naphthas .....	—	—	0	0	0	—	0	0	0	—
Lubricants .....	—	0	0	0	0	0	0	0	212	—
Waxes .....	—	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	80	0	1,192	796	569	33	430	566	456
Asphalt and Road Oil .....	25	1,380	5	1,456	1,701	2,546	0	0	3	209
Miscellaneous Products .....	—	—	—	0	0	—	—	0	0	—
<b>Total</b> .....	<b>25</b>	<b>68,354</b>	<b>5</b>	<b>555,102</b>	<b>67,634</b>	<b>26,875</b>	<b>33</b>	<b>430</b>	<b>781</b>	<b>693</b>

— = No Data Reported.

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

<sup>2</sup> 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.