

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2019**  
(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>4,095</b>	<b>796</b>	<b>0</b>	<b>49,220</b>	<b>787,800</b>	<b>80,790</b>	<b>60,244</b>	<b>24,807</b>	<b>338,568</b>
<b>Petroleum Products</b> .....	<b>198,254</b>	<b>2,559</b>	<b>0</b>	<b>245,420</b>	<b>466,160</b>	<b>98,231</b>	<b>60,992</b>	<b>1,277,384</b>	<b>239,515</b>
Natural Gas Liquids .....	83,625	1,395	0	77,057	323,683	56,751	8,852	18,123	94,816
Ethane .....	61,787	0	—	0	137,344	8,256	—	0	10,030
Propane .....	11,925	315	0	56,548	102,317	26,662	3,289	17,766	14,232
Normal Butane .....	2,683	239	0	18,193	42,636	11,528	3,968	279	4,245
Isobutane .....	4,098	841	0	2,316	15,110	4,203	1,595	78	7,046
Natural Gasoline .....	3,132	0	—	0	26,276	6,102	—	0	59,263
Refinery Olefins .....	0	0	—	3,138	3,907	—	—	0	0
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	0	0	—	3,138	3,907	—	—	0	0
Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	293	0	0	0	9,423	—	0	367	3,514
Motor Gasoline Blending Components .....	77,777	0	0	14,858	22,209	16,529	0	692,882	78,485
Reformulated - RBOB .....	0	0	0	180	2,536	—	—	99,734	38,209
Conventional .....	77,777	0	0	14,678	19,673	16,529	0	593,148	40,276
CBOB .....	77,749	0	0	14,678	16,187	16,529	0	591,784	33,794
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	28	0	0	0	3,486	—	0	1,364	6,482
Renewable Fuels .....	0	0	0	113,843	74,034	4,841	49,762	3,901	0
Fuel Ethanol .....	0	0	0	111,380	70,618	4,338	47,414	3,665	0
Renewable Diesel Fuel <sup>2</sup> .....	0	0	0	2,463	3,416	502	2,348	236	0
Other Renewable Fuels .....	0	0	—	—	0	—	—	—	0
Finished Motor Gasoline .....	998	0	0	5,459	3,053	2,469	0	47,747	10,717
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	998	0	0	5,459	3,053	2,469	0	47,747	10,717
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	998	0	0	5,459	3,053	2,469	0	47,747	10,717
Finished Aviation Gasoline .....	0	0	—	0	0	—	—	954	179
Kerosene-Type Jet Fuel .....	3,640	0	0	1,179	277	10,328	0	184,547	20,060
Kerosene .....	34	0	—	0	0	—	—	1,759	0
Distillate Fuel Oil .....	31,732	0	0	13,776	12,638	7,101	0	315,207	26,707
15 ppm sulfur and under .....	31,732	0	0	13,641	12,638	7,101	0	299,756	25,153
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	135	0	—	—	239	1,460
Greater than 500 ppm sulfur .....	0	0	—	0	0	—	—	15,212	94
Residual Fuel Oil .....	0	468	—	0	7,893	—	—	0	0
Petrochemical Feedstocks .....	0	255	—	0	1,085	—	—	828	67
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	945	—	—	—	47
Other Oils for Petrochemical Feedstock Use .....	0	255	—	0	140	—	—	828	20
Special Naphthas .....	0	0	—	—	0	—	—	—	246
Lubricants .....	0	0	0	40	0	—	0	5,279	1,734
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	151	0	7,113	4,970	100	94	324	157
Asphalt and Road Oil .....	155	60	0	8,887	2,978	112	2,284	5,465	2,810
Miscellaneous Products .....	0	231	—	70	10	—	—	0	24
<b>Total</b> .....	<b>202,349</b>	<b>3,355</b>	<b>0</b>	<b>294,640</b>	<b>1,253,960</b>	<b>179,021</b>	<b>121,236</b>	<b>1,302,191</b>	<b>578,083</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, 2019**  
(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>4,806</b>	<b>0</b>	<b>303,438</b>	<b>10,603</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>59,985</b>	<b>114</b>	<b>153,693</b>	<b>45,992</b>	<b>28,375</b>	<b>49</b>	<b>477</b>	<b>875</b>	<b>355</b>
Natural Gas Liquids .....	0	1,223	0	139,472	41,432	1,743	0	0	0	0
Ethane .....	0	—	0	30,800	14,003	—	0	0	0	0
Propane .....	0	0	0	57,035	12,639	974	0	0	0	0
Normal Butane .....	0	900	0	24,135	4,375	592	0	0	0	0
Isobutane .....	0	323	0	9,978	3,633	177	0	0	0	0
Natural Gasoline .....	0	—	0	17,524	6,782	—	0	0	0	0
Refinery Olefins .....	—	—	0	0	0	—	0	0	0	—
Ethylene .....	—	—	—	—	—	—	—	—	—	—
Propylene .....	—	—	0	0	0	—	0	0	0	—
Butylene .....	—	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	—	0	0	0	0	0	0	0	161	—
Motor Gasoline Blending Components .....	0	43,584	0	2,059	0	12,892	0	0	0	0
Reformulated - RBOB .....	—	26,880	0	0	0	0	0	0	0	—
Conventional .....	0	16,704	0	2,059	0	12,892	0	0	0	0
CBOB .....	0	16,527	0	2,059	0	12,892	0	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—	—
Other .....	—	177	0	0	0	0	0	0	0	—
Renewable Fuels .....	0	4,173	0	0	0	110	0	0	25	125
Fuel Ethanol .....	0	1,725	0	0	0	110	0	0	0	0
Renewable Diesel Fuel <sup>2</sup> .....	0	2,448	0	0	0	0	0	0	25	125
Other Renewable Fuels .....	—	—	—	0	0	—	—	0	0	—
Finished Motor Gasoline .....	0	0	0	4,190	0	5,070	0	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	4,190	0	5,070	0	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	4,190	0	5,070	0	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	0	—
Kerosene-Type Jet Fuel .....	0	2,997	0	277	0	239	0	0	0	0
Kerosene .....	—	—	0	0	0	—	0	0	0	—
Distillate Fuel Oil .....	0	6,573	0	4,576	0	4,223	0	0	0	0
15 ppm sulfur and under .....	0	6,573	0	4,576	0	4,223	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	—
Lubricants .....	—	0	0	0	0	0	0	0	321	—
Waxes .....	—	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	53	0	945	2,487	804	49	477	368	148
Asphalt and Road Oil .....	0	1,383	114	2,174	2,073	3,295	0	0	0	82
Miscellaneous Products .....	—	—	0	0	0	—	0	0	0	—
<b>Total</b> .....	<b>0</b>	<b>64,791</b>	<b>114</b>	<b>457,131</b>	<b>56,594</b>	<b>28,451</b>	<b>49</b>	<b>477</b>	<b>875</b>	<b>355</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> Renewable diesel fuel includes biodiesel and other renewable diesel.

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.