

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	222,146	35,889	258,035	914,932	188,427	302,633	1,405,992
Hydrocarbon Gas Liquids	2,917	-	2,917	26,141	866	9,251	36,258
Natural Gas Liquids	2,917	-	2,917	26,141	866	9,251	36,258
Normal Butane	1,732	-	1,732	3,982	-	261	4,243
Isobutane	1,185	-	1,185	16,096	866	4,890	21,852
Natural Gasoline	-	-	-	6,063	-	4,100	10,163
Other Liquids	-88,812	705	-88,107	-450,956	-67,628	-125,060	-643,644
Hydrogen/Biofuels/Other Hydrocarbons	1,629	1,920	3,549	11,371	5,655	5,414	22,440
Hydrogen	837	164	1,001	8,500	3,029	2,578	14,107
Biofuels (Including Fuel Ethanol)	792	1,756	2,548	2,726	2,626	2,836	8,188
Fuel Ethanol	789	1,395	2,184	2,259	2,083	1,760	6,102
Biodiesel	-	361	361	467	543	294	1,304
Renewable Diesel Fuel	3	-	3	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	782	782
Other Hydrocarbons	-	-	-	145	-	-	145
Unfinished Oils (net)	16,877	-1,159	15,718	-12,093	-1,572	-535	-14,200
Naphthas and Lighter	4,308	-535	3,773	1,349	-741	722	1,330
Kerosene and Light Gas Oils	1,521	-	1,521	-4,091	-393	-89	-4,573
Heavy Gas Oils	1,320	-614	706	-6,214	-438	-306	-6,958
Residuum	9,728	-10	9,718	-3,137	0	-862	-3,999
Motor Gasoline Blend.Comp. (MGBC)(net)	-107,318	-56	-107,374	-450,234	-71,711	-129,939	-651,884
Reformulated - RBOB	-71,669	-	-71,669	-83,618	-285	-	-83,903
Conventional	-35,649	-56	-35,705	-366,616	-71,426	-129,939	-567,981
CBOB	-30,668	-70	-30,738	-359,911	-70,677	-129,948	-560,536
GTAB	-	-	-	-	-	-	-
Other	-4,981	14	-4,967	-6,705	-749	9	-7,445
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	136,251	36,594	172,845	490,117	121,665	186,824	798,606
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	657	98	756	2,506	532	828	3,866
Operable Capacity (daily average)	792	98	890	2,730	549	928	4,207
Operable Utilization Rate (percent) ²	83.0	100.1	84.9	91.8	96.9	89.2	91.9
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	120	16	136	460	73	159	692
Catalytic Cracking	203	16	219	732	137	199	1,068
Catalytic Hydrocracking	36	-	36	188	52	43	282
Delayed and Fluid Coking	30	-	30	332	66	74	472
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.83	1.77	0.96	1.62	1.77	0.61	1.42
API Gravity, Weighted Average (degrees)	35.21	31.79	34.72	33.25	28.16	39.29	33.80
Operable Capacity (daily average)	792	98	890	2,730	549	928	4,207
Operating	750	98	849	2,657	540	922	4,119
Idle	41	-	41	73	9	6	88
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	222,069	1,733,820	1,088,677	88,797	27,545	3,160,908	209,095	793,859	5,827,889
Hydrocarbon Gas Liquids	6,416	57,803	44,438	655	1,169	110,481	5,429	9,766	164,851
Natural Gas Liquids	6,416	57,803	44,438	655	1,169	110,481	5,429	9,766	164,851
Normal Butane	2,789	17,890	15,845	179	54	36,757	1,742	3,310	47,784
Isobutane	3,245	29,737	17,520	448	1,115	52,065	2,047	6,241	83,390
Natural Gasoline	382	10,176	11,073	28	-	21,659	1,640	215	33,677
Other Liquids	-94,403	-661,960	-365,296	-20,492	-15,089	-1,157,240	-52,360	-360,273	-2,301,624
Hydrogen/Biofuels/Other Hydrocarbons	3,820	27,890	21,111	1,440	750	55,011	6,044	20,536	107,580
Hydrogen	1,037	26,860	17,979	791	387	47,054	2,478	15,663	80,303
Biofuels (Including Fuel Ethanol)	2,783	1,030	3,132	649	363	7,957	3,566	4,873	27,132
Fuel Ethanol	2,226	522	2,289	641	73	5,751	2,961	1,573	18,571
Biodiesel	557	26	433	8	64	1,088	254	159	3,166
Renewable Diesel Fuel	-	-	19	-	-	19	-	2,868	2,890
Other Biofuels ¹	-	482	391	-	226	1,099	351	273	2,505
Other Hydrocarbons	-	-	-	-	-	-	-	-	145
Unfinished Oils (net)	-1,097	-58,457	93,918	-1,369	-1,520	31,475	-1,320	12,922	44,595
Naphthas and Lighter	419	-92,453	5,912	-261	-279	-86,662	-207	835	-80,931
Kerosene and Light Gas Oils	283	-18,864	-4,889	-332	-763	-24,565	-238	-5,638	-33,493
Heavy Gas Oils	-1,169	11,591	82,805	153	-478	92,902	-671	14,844	100,823
Residuum	-630	41,269	10,090	-929	-	49,800	-204	2,881	58,196
Motor Gasoline Blend.Comp. (MGBC)(net)	-97,196	-631,393	-480,394	-20,563	-14,319	-1,243,865	-57,084	-393,731	-2,453,938
Reformulated - RBOB	-8,231	-169,269	-46,410	-	-4,935	-228,845	-	-292,065	-676,482
Conventional	-88,965	-462,124	-433,984	-20,563	-9,384	-1,015,020	-57,084	-101,666	-1,777,456
CBOB	-88,539	-355,806	-406,410	-20,304	-9,334	-880,393	-57,389	-104,671	-1,633,727
GTAB	-	-	-	-	-	-	-	-	-
Other	-426	-106,318	-27,574	-259	-50	-134,627	305	3,005	-143,729
Aviation Gasoline Blend. Comp. (net)	70	-	69	-	-	139	-	-	139
Total Input to Refineries	134,082	1,129,663	767,819	68,960	13,625	2,114,149	162,164	443,352	3,691,116
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	619	4,939	3,119	214	75	8,966	572	2,342	16,502
Operable Capacity (daily average)	744	5,433	3,330	260	110	9,878	650	2,622	18,248
Operable Utilization Rate (percent) ²	83.2	90.9	93.7	82.0	68.6	90.8	88.0	89.3	90.4
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	141	731	562	38	15	1,486	87	371	2,772
Catalytic Cracking	156	1,283	853	17	20	2,329	156	600	4,372
Catalytic Hydrocracking	42	537	449	19	9	1,056	15	414	1,804
Delayed and Fluid Coking	22	772	500	30	-	1,324	58	364	2,247
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.59	1.51	1.26	1.43	0.97	1.33	1.42	1.30	1.33
API Gravity, Weighted Average (degrees)	39.96	34.31	31.01	31.92	38.36	33.71	32.01	29.04	33.08
Operable Capacity (daily average)	744	5,433	3,330	260	110	9,878	650	2,622	18,248
Operating	739	5,426	3,288	252	110	9,814	612	2,622	18,016
Idle	5	7	42	8	-	63	38	1	231
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-	172,223	172,223

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

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

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."