

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2021
(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	16,649	3,018	19,667	73,346	15,458	27,228	116,032
Hydrocarbon Gas Liquids	240	-	240	2,145	36	967	3,148
Natural Gas Liquids	240	-	240	2,145	36	967	3,148
Normal Butane	114	-	114	486	-	41	527
Isobutane	126	-	126	1,168	36	425	1,629
Natural Gasoline	-	-	-	491	-	501	992
Other Liquids	-7,698	-65	-7,763	-36,522	-5,933	-11,749	-54,204
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	171	149	320	947	475	380	1,802
Hydrogen	99	6	105	687	276	210	1,173
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	72	143	215	260	199	170	629
Fuel Ethanol	72	119	191	178	176	147	501
Renewable Diesel Fuel ²	-	24	24	82	23	23	128
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils (net)	2,380	-237	2,143	-1,032	51	-791	-1,772
Naphthas and Lighter	261	-162	99	28	4	-454	-422
Kerosene and Light Gas Oils	1,277	-	1,277	-380	41	35	-304
Heavy Gas Oils	1,184	-61	1,123	-719	6	-129	-842
Residuum	-342	-14	-356	39	-	-243	-204
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,249	23	-10,226	-36,437	-6,459	-11,338	-54,234
Reformulated - RBOB	-7,273	-	-7,273	-7,082	-	-	-7,082
Conventional	-2,976	23	-2,953	-29,355	-6,459	-11,338	-47,152
CBOB	-3,271	2	-3,269	-28,496	-6,574	-11,546	-46,616
GTAB	-	-	-	-	-	-	-
Other	295	21	316	-859	115	208	-536
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	9,191	2,953	12,144	38,969	9,561	16,446	64,976
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	541	98	639	2,355	510	879	3,743
Operable Capacity (daily average)	720	98	818	2,718	547	926	4,191
Operable Utilization Rate (percent) ³	75.2	99.4	78.1	86.6	93.2	94.9	89.3
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	100	12	111	370	73	154	597
Catalytic Cracking	249	15	265	701	146	209	1,056
Catalytic Hydrocracking	46	-	46	185	54	61	300
Delayed and Fluid Coking	38	-	38	316	69	90	475
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.62	1.65	0.78	1.59	1.88	0.68	1.42
API Gravity, Weighted Average (degrees)	37.30	32.04	36.46	32.38	27.75	39.11	33.27
Operable Capacity (daily average)	720	98	818	2,718	547	926	4,191
Operating	720	98	818	2,539	509	926	3,974
Idle	-	-	-	179	38	-	217
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2021
(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	21,776	137,042	81,284	7,109	679	247,890	16,864	65,953	466,406
Hydrocarbon Gas Liquids	968	4,635	3,087	81	11	8,782	542	2,399	15,111
Natural Gas Liquids	968	4,635	3,087	81	11	8,782	542	2,399	15,111
Normal Butane	592	1,503	1,263	26	—	3,384	241	743	5,009
Isobutane	307	2,181	1,064	52	—	3,604	176	725	6,260
Natural Gasoline	69	951	760	3	11	1,794	125	931	3,842
Other Liquids	-9,699	-56,695	-25,174	-1,680	-355	-93,603	-4,073	-31,944	-191,587
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	329	2,366	1,624	119	25	4,463	575	1,675	8,835
Hydrogen	107	2,344	1,301	55	17	3,824	222	1,314	6,638
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	222	22	323	64	8	639	353	361	2,197
Fuel Ethanol	196	49	206	44	5	500	272	103	1,567
Renewable Diesel Fuel ²	26	-27	27	20	3	49	22	221	444
Other Renewable Fuels	—	—	90	—	—	90	59	37	186
Other Hydrocarbons	—	—	—	—	—	—	—	—	—
Unfinished Oils (net)	-520	-5,920	7,411	25	67	1,063	86	548	2,068
Naphthas and Lighter	-414	-7,570	-563	16	117	-8,414	-162	112	-8,787
Kerosene and Light Gas Oils	80	-1,462	-316	17	15	-1,666	169	-538	-1,062
Heavy Gas Oils	-171	1,513	4,803	92	-65	6,172	129	271	6,853
Residuum	-15	1,599	3,487	-100	—	4,971	-50	703	5,064
Motor Gasoline Blend Comp. (MGBC)(net)	-9,514	-53,141	-34,214	-1,824	-447	-99,140	-4,734	-34,167	-202,501
Reformulated - RBOB	-894	-15,149	-1,087	—	-58	-17,188	—	-24,878	-56,421
Conventional	-8,620	-37,992	-33,127	-1,824	-389	-81,952	-4,734	-9,289	-146,080
CBOB	-8,467	-32,840	-30,273	-1,801	-415	-73,796	-5,050	-9,613	-138,344
GTAB	—	—	—	—	—	—	—	—	—
Other	-153	-5,152	-2,854	-23	26	-8,156	316	324	-7,736
Aviation Gasoline Blend. Comp. (net)	6	—	5	—	—	11	—	—	11
Total Input to Refineries	13,045	84,982	59,197	5,510	335	163,069	13,333	36,408	289,930
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	684	4,631	2,834	197	22	8,367	544	2,287	15,581
Operable Capacity (daily average)	746	5,106	3,531	258	110	9,751	657	2,715	18,132
Operable Utilization Rate (percent) ³	91.7	90.7	80.3	76.1	19.9	85.8	82.9	84.2	85.9
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	152	621	482	37	8	1,301	78	387	2,474
Catalytic Cracking	169	1,224	784	20	3	2,200	160	577	4,257
Catalytic Hydrocracking	47	496	376	17	8	944	26	456	1,772
Delayed and Fluid Coking	26	708	437	38	—	1,209	48	395	2,166
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.65	1.35	1.11	1.23	0.83	1.19	1.27	1.34	1.25
API Gravity, Weighted Average (degrees)	39.95	33.35	32.87	33.18	38.36	33.87	32.88	28.41	33.00
Operable Capacity (daily average)	746	5,106	3,531	258	110	9,751	657	2,715	18,132
Operating	746	5,071	3,004	210	110	9,142	586	2,614	17,133
Idle	—	35	527	48	—	610	71	102	999
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	11,753	11,753

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

³ 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."