Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2020
(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	**14,881**	**2,776**	**17,657**	**65,563**	**14,513**	**26,302**	**106,378**
Hydrocarbon Gas Liquids	**447**	**–**	**447**	**2,022**	**52**	**891**	**2,965**
Natural Gas Liquids	447	–	447	2,022	52	891	2,965
Normal Butane	231	–	231	492	–	41	533
Isobutane	216	–	216	1,136	52	484	1,672
Natural Gasoline	–	–	–	394	–	366	760
Other Liquids	**-8,744**	**90**	**-8,654**	**-32,051**	**-5,406**	**-10,872**	**-48,329**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	136	146	282	984	466	360	1,810
Hydrogen	81	9	90	762	298	190	1,250
Oxygenates (excluding Fuel Ethanol)	– –	– –	– –	– –	– –	– –	– –
Methyl Tertiary Butyl Ether (MTBE)	– –	– –	– –	– –	– –	– –	– –
All Other Oxygenates[1]	– –	– –	– –	– –	– –	– –	– –
Renewable Fuels (including Fuel Ethanol)	55	137	192	205	168	170	543
Fuel Ethanol	55	116	171	144	148	147	439
Renewable Diesel Fuel[2]	–	21	21	61	20	23	104
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	17	–	–	17
Unfinished Oils (net)	2,088	-68	2,020	929	221	34	1,184
Naphthas and Lighter	-174	0	-174	-112	10	-84	-186
Kerosene and Light Gas Oils	131	–	131	143	138	21	302
Heavy Gas Oils	1,537	-63	1,474	1,251	73	94	1,418
Residuum	594	-5	589	-353	–	3	-350
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,968	12	-10,956	-33,964	-6,093	-11,266	-51,323
Reformulated - RBOB	-6,746	–	-6,746	-7,350	-201	–	-7,551
Conventional	-4,222	12	-4,210	-26,614	-5,892	-11,266	-43,772
CBOB	-3,528	-14	-3,542	-26,121	-5,994	-11,369	-43,484
GTAB	–	–	–	–	–	–	–
Other	-694	26	-668	-493	102	103	-288
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**6,584**	**2,866**	**9,450**	**35,534**	**9,159**	**16,321**	**61,014**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	506	90	596	2,102	481	849	3,432
Operable Capacity (daily average)	791	98	889	2,703	547	927	4,177
Operable Utilization Rate (percent)[3]	64.0	91.2	67.0	77.8	88.0	91.7	82.2
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	94	15	110	374	72	153	599
Catalytic Cracking	243	14	257	683	148	208	1,039
Catalytic Hydrocracking	43	–	43	175	66	58	299
Delayed and Fluid Coking	28	–	28	323	78	78	478
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.65	1.64	0.81	1.74	1.71	0.59	1.45
API Gravity, Weighted Average (degrees)	36.32	32.14	35.64	32.58	25.59	38.87	33.09
Operable Capacity (daily average)	**791**	**98**	**889**	**2,703**	**547**	**927**	**4,177**
Operating	791	98	889	2,583	509	927	4,019
Idle	–	–	–	120	38	–	158
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 2020
(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	**19,590**	**123,325**	**65,495**	**7,301**	**2,802**	**218,513**	**16,479**	**57,760**	**416,787**
Hydrocarbon Gas Liquids	**923**	**4,154**	**3,334**	**55**	**117**	**8,583**	**509**	**1,927**	**14,431**
Natural Gas Liquids	923	4,154	3,334	55	117	8,583	509	1,927	14,431
Normal Butane	509	1,580	1,615	28	–	3,732	248	590	5,334
Isobutane	287	2,253	839	22	117	3,518	169	547	6,122
Natural Gasoline	127	321	880	5	–	1,333	92	790	2,975
Other Liquids	**-8,927**	**-51,122**	**-20,196**	**-1,594**	**-1,534**	**-83,373**	**-4,345**	**-28,755**	**-173,456**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	281	2,049	1,520	120	24	3,994	491	1,636	8,213
Hydrogen	8	1,973	1,271	47	14	3,313	196	1,249	6,098
Oxygenates (excluding Fuel Ethanol)	– –	– –	– –	– –	– –	– –	– –	– –	– –
Methyl Tertiary Butyl Ether (MTBE)	– –	– –	– –	– –	– –	– –	– –	– –	– –
All Other Oxygenates[1]	– –	– –	– –	– –	– –	– –	– –	– –	– –
Renewable Fuels (including Fuel Ethanol)	273	76	249	73	10	681	295	387	2,098
Fuel Ethanol	221	47	182	51	4	505	238	96	1,449
Renewable Diesel Fuel[2]	52	29	46	22	6	155	26	291	597
Other Renewable Fuels	–	–	21	–	–	21	31	–	52
Other Hydrocarbons	–	–	–	–	–	–	–	–	17
Unfinished Oils (net)	-36	-766	6,587	-113	6	5,678	-70	564	9,376
Naphthas and Lighter	85	-5,558	198	1	23	-5,251	-21	-125	-5,757
Kerosene and Light Gas Oils	-188	-932	349	-89	-7	-867	-383	-284	-1,101
Heavy Gas Oils	47	2,660	3,273	61	-10	6,031	314	92	9,329
Residuum	20	3,064	2,767	-86	–	5,765	20	881	6,905
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,177	-52,405	-28,307	-1,601	-1,564	-93,054	-4,766	-30,955	-191,054
Reformulated - RBOB	-763	-13,570	-1,566	–	-630	-16,529	–	-24,033	-54,859
Conventional	-8,414	-38,835	-26,741	-1,601	-934	-76,525	-4,766	-6,922	-136,195
CBOB	-8,117	-33,840	-26,033	-1,530	-898	-70,418	-4,896	-7,885	-130,225
GTAB	–	–	–	–	–	–	–	–	–
Other	-297	-4,995	-708	-71	-36	-6,107	130	963	-5,970
Aviation Gasoline Blend. Comp. (net)	5	–	4	–	–	9	–	–	9
Total Input to Refineries	**11,586**	**76,357**	**48,633**	**5,762**	**1,385**	**143,723**	**12,643**	**30,932**	**257,762**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	644	4,150	2,144	210	90	7,239	533	2,047	13,846
Operable Capacity (daily average)	742	5,114	3,732	258	110	9,956	650	2,714	18,386
Operable Utilization Rate (percent)[3]	86.7	81.2	57.4	81.4	82.2	72.7	81.9	75.4	75.3
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	142	627	419	33	18	1,238	87	348	2,383
Catalytic Cracking	175	1,310	657	17	23	2,183	141	526	4,146
Catalytic Hydrocracking	40	449	362	14	16	881	24	402	1,649
Delayed and Fluid Coking	22	628	373	24	–	1,047	46	364	1,963
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.53	1.37	1.19	1.36	0.84	1.22	1.46	1.24	1.27
API Gravity, Weighted Average (degrees)	37.57	34.94	32.01	29.65	37.92	34.23	32.82	30.36	33.38
Operable Capacity (daily average)	**742**	**5,114**	**3,732**	**258**	**110**	**9,956**	**650**	**2,714**	**18,386**
Operating	742	5,079	2,555	258	110	8,744	638	2,654	16,943
Idle	–	35	1,177	–	–	1,212	13	60	1,443
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**10,961**	**10,961**

– – = 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."