Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2019
(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	**27,876**	**2,985**	**30,861**	**73,704**	**15,140**	**23,456**	**112,300**
Hydrocarbon Gas Liquids	**417**	**–**	**417**	**1,155**	**80**	**552**	**1,787**
Natural Gas Liquids	417	–	417	1,155	80	552	1,787
Normal Butane	18	–	18	25	–	–	25
Isobutane	399	–	399	818	80	424	1,322
Natural Gasoline	–	–	–	312	–	128	440
Other Liquids	**-13,018**	**131**	**-12,887**	**-31,479**	**-5,540**	**-9,457**	**-46,476**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	118	159	277	980	484	219	1,683
Hydrogen	63	11	74	671	263	77	1,011
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	55	148	203	279	221	142	642
Fuel Ethanol	55	122	177	180	151	117	448
Renewable Diesel Fuel[2]	–	26	26	99	70	25	194
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	30	–	–	30
Unfinished Oils (net)	1,339	-73	1,266	-1,007	-141	354	-794
Naphthas and Lighter	753	-50	703	102	-176	34	-40
Kerosene and Light Gas Oils	-926	–	-926	130	-84	159	205
Heavy Gas Oils	1,498	-21	1,477	-1,234	119	246	-869
Residuum	14	-2	12	-5	–	-85	-90
Motor Gasoline Blend.Comp. (MGBC)(net)	-14,475	45	-14,430	-31,452	-5,883	-10,030	-47,365
Reformulated - RBOB	-8,810	–	-8,810	-7,473	-207	–	-7,680
Conventional	-5,665	45	-5,620	-23,979	-5,676	-10,030	-39,685
CBOB	-5,280	81	-5,199	-23,734	-5,772	-10,355	-39,861
GTAB	–	–	–	–	–	–	–
Other	-385	-36	-421	-245	96	325	176
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**15,275**	**3,116**	**18,391**	**43,380**	**9,680**	**14,551**	**67,611**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	929	101	1,030	2,457	512	783	3,751
Operable Capacity (daily average)	1,126	98	1,224	2,678	547	917	4,141
Operable Utilization Rate (percent)[3]	82.6	102.5	84.2	91.7	93.6	85.4	90.6
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	177	17	194	457	75	140	672
Catalytic Cracking	361	16	376	695	138	212	1,046
Catalytic Hydrocracking	25	–	25	196	56	27	278
Delayed and Fluid Coking	13	–	13	303	67	64	434
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.73	1.63	0.82	1.44	1.75	0.54	1.29
API Gravity, Weighted Average (degrees)	36.77	32.90	36.38	33.52	29.93	39.43	34.22
Operable Capacity (daily average)	**1,126**	**98**	**1,224**	**2,678**	**547**	**917**	**4,141**
Operating	1,126	98	1,224	2,650	509	917	4,076
Idle	–	–	–	28	38	–	66
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, April 2019
(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	**20,404**	**130,695**	**103,249**	**5,327**	**4,055**	**263,730**	**17,016**	**66,245**	**490,152**
Hydrocarbon Gas Liquids	**501**	**3,093**	**3,139**	**10**	**184**	**6,927**	**417**	**2,328**	**11,876**
Natural Gas Liquids	501	3,093	3,139	10	184	6,927	417	2,328	11,876
Normal Butane	134	643	227	–	–	1,004	94	691	1,832
Isobutane	227	1,637	1,443	7	176	3,490	180	848	6,239
Natural Gasoline	140	813	1,469	3	8	2,433	143	789	3,805
Other Liquids	**-8,927**	**-48,066**	**-28,284**	**-936**	**-1,519**	**-87,732**	**-4,360**	**-29,579**	**-181,034**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	291	1,904	1,864	90	105	4,254	473	1,535	8,222
Hydrogen	10	1,840	1,583	55	41	3,529	188	1,188	5,990
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	281	64	281	35	64	725	285	347	2,202
Fuel Ethanol	219	51	192	34	52	548	251	82	1,506
Renewable Diesel Fuel[2]	62	13	89	1	12	177	34	265	696
Other Renewable Fuels	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	30
Unfinished Oils (net)	-505	-2,416	9,726	-587	-14	6,204	-45	1,226	7,857
Naphthas and Lighter	-313	-5,128	560	-145	-15	-5,041	27	598	-3,753
Kerosene and Light Gas Oils	-92	-409	1,863	-14	3	1,351	-314	-2,144	-1,828
Heavy Gas Oils	77	2,311	6,351	-343	-2	8,394	413	2,314	11,729
Residuum	-177	810	952	-85	–	1,500	-171	458	1,709
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,724	-47,554	-39,868	-439	-1,610	-98,195	-4,788	-32,340	-197,118
Reformulated - RBOB	-593	-12,510	-5,180	–	-759	-19,042	–	-24,848	-60,380
Conventional	-8,131	-35,044	-34,688	-439	-851	-79,153	-4,788	-7,492	-136,738
CBOB	-8,032	-31,709	-32,611	-395	-825	-73,572	-4,857	-9,284	-132,773
GTAB	–	–	–	–	–	–	–	–	–
Other	-99	-3,335	-2,077	-44	-26	-5,581	69	1,792	-3,965
Aviation Gasoline Blend. Comp. (net)	11	–	-6	–	–	5	–	–	5
Total Input to Refineries	**11,978**	**85,722**	**78,104**	**4,401**	**2,720**	**182,925**	**13,073**	**38,994**	**320,994**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	677	4,446	3,559	157	138	8,977	567	2,366	16,691
Operable Capacity (daily average)	745	5,042	3,696	256	136	9,876	687	2,875	18,802
Operable Utilization Rate (percent)[3]	90.9	88.2	96.3	61.3	101.1	90.9	82.6	82.3	88.8
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	139	618	633	22	29	1,440	94	406	2,806
Catalytic Cracking	178	1,159	980	5	34	2,355	162	577	4,516
Catalytic Hydrocracking	47	523	429	3	18	1,020	22	413	1,758
Delayed and Fluid Coking	23	711	484	24	–	1,241	55	403	2,145
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.57	1.49	1.29	1.62	0.75	1.33	1.19	1.26	1.28
API Gravity, Weighted Average (degrees)	40.06	32.45	32.69	28.82	39.76	33.20	33.96	28.47	32.97
Operable Capacity (daily average)	**745**	**5,042**	**3,696**	**256**	**136**	**9,876**	**687**	**2,875**	**18,802**
Operating	745	4,807	3,696	256	136	9,641	677	2,875	18,492
Idle	–	235	–	–	–	235	10	–	310
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**11,895**	**11,895**

– = 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."