Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2017
(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	**31,238**	**2,743**	**33,981**	**67,044**	**16,953**	**21,759**	**105,756**
Hydrocarbon Gas Liquids	**686**	**–**	**686**	**1,733**	**47**	**954**	**2,734**
Natural Gas Liquids	686	–	686	1,733	47	954	2,734
Normal Butane	222	–	222	619	–	44	663
Isobutane	464	–	464	875	47	361	1,283
Natural Gasoline	–	–	–	239	–	549	788
Other Liquids	**-14,788**	**46**	**-14,742**	**-30,093**	**-6,390**	**-9,850**	**-46,333**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	177	119	296	943	491	297	1,731
Hydrogen	98	4	102	673	299	202	1,174
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	79	115	194	247	192	95	534
Fuel Ethanol	79	94	173	157	168	89	414
Renewable Diesel Fuel	–	21	21	90	24	6	120
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	23	–	–	23
Unfinished Oils (net)	1,527	-71	1,456	1,472	-154	-310	1,008
Naphthas and Lighter	481	9	490	883	-80	122	925
Kerosene and Light Gas Oils	-277	–	-277	-282	-129	-193	-604
Heavy Gas Oils	952	-76	876	1,411	52	-249	1,214
Residuum	371	-4	367	-540	3	10	-527
Motor Gasoline Blend.Comp. (MGBC)(net)	-16,492	-2	-16,494	-32,508	-6,727	-9,837	-49,072
Reformulated - RBOB	-10,607	–	-10,607	-7,700	-388	-150	-8,238
Conventional	-5,885	-2	-5,887	-24,808	-6,339	-9,687	-40,834
CBOB	-5,757	-18	-5,775	-24,034	-6,300	-9,581	-39,915
GTAB	–	–	–	–	–	–	–
Other	-128	16	-112	-774	-39	-106	-919
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**17,136**	**2,789**	**19,925**	**38,684**	**10,610**	**12,863**	**62,157**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	1,001	89	1,090	2,147	548	702	3,398
Operable Capacity (daily average)	1,083	98	1,182	2,607	520	886	4,013
Operable Utilization Rate (percent)[2]	92.4	90.6	92.3	82.4	105.5	79.3	84.7
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	176	16	192	429	82	133	644
Catalytic Cracking	394	16	410	713	155	163	1,031
Catalytic Hydrocracking	27	–	27	213	55	49	317
Delayed and Fluid Coking	52	–	52	282	69	86	438
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.80	1.78	0.87	1.46	1.73	0.85	1.38
API Gravity, Weighted Average (degrees)	36.24	31.19	35.84	32.31	27.84	36.70	32.45
Operable Capacity (daily average)	**1,083**	**98**	**1,182**	**2,607**	**520**	**886**	**4,013**
Operating	1,083	98	1,182	2,585	520	816	3,921
Idle	–	–	–	22	–	70	92
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 2017
(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	**19,601**	**135,654**	**101,796**	**6,986**	**4,281**	**268,318**	**19,332**	**70,506**	**497,893**
Hydrocarbon Gas Liquids	**463**	**3,677**	**4,093**	**33**	**195**	**8,461**	**586**	**3,065**	**15,532**
Natural Gas Liquids	463	3,677	4,093	33	195	8,461	586	3,065	15,532
Normal Butane	211	986	1,374	–	8	2,579	208	985	4,657
Isobutane	81	1,664	1,361	31	187	3,324	226	1,199	6,496
Natural Gasoline	171	1,027	1,358	2	–	2,558	152	881	4,379
Other Liquids	**-8,009**	**-50,341**	**-29,548**	**-1,636**	**-1,557**	**-91,091**	**-5,662**	**-30,735**	**-188,563**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	272	2,407	2,016	141	113	4,949	517	1,517	9,010
Hydrogen	23	2,343	1,656	79	46	4,147	226	1,334	6,983
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	249	64	360	62	67	802	291	183	2,004
Fuel Ethanol	214	49	178	31	54	526	270	81	1,464
Renewable Diesel Fuel	35	15	182	31	13	276	21	102	540
Other Renewable Fuels	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	23
Unfinished Oils (net)	-606	-1,830	8,380	-118	80	5,906	-286	6,197	14,281
Naphthas and Lighter	-214	-5,955	-520	22	-8	-6,675	4	-388	-5,644
Kerosene and Light Gas Oils	-255	-1,867	1,168	-55	63	-946	-157	-149	-2,133
Heavy Gas Oils	-144	5,490	7,275	-23	25	12,623	45	6,131	20,889
Residuum	7	502	457	-62	–	904	-178	603	1,169
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,676	-50,918	-39,944	-1,659	-1,750	-101,947	-5,893	-38,449	-211,855
Reformulated - RBOB	-634	-15,569	-3,608	–	-728	-20,539	–	-28,687	-68,071
Conventional	-7,042	-35,349	-36,336	-1,659	-1,022	-81,408	-5,893	-9,762	-143,784
CBOB	-7,212	-31,897	-34,362	-1,625	-894	-75,990	-5,517	-10,088	-137,285
GTAB	–	–	–	–	–	–	–	–	–
Other	170	-3,452	-1,974	-34	-128	-5,418	-376	326	-6,499
Aviation Gasoline Blend. Comp. (net)	1	–	–	–	–	1	–	–	1
Total Input to Refineries	**12,055**	**88,990**	**76,341**	**5,383**	**2,919**	**185,688**	**14,256**	**42,836**	**324,862**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	635	4,428	3,386	203	138	8,791	622	2,442	16,343
Operable Capacity (daily average)	731	4,959	3,699	256	124	9,769	693	2,848	18,504
Operable Utilization Rate (percent)[2]	86.9	89.3	91.5	79.3	111.8	90.0	89.8	85.7	88.3
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	137	665	556	34	29	1,421	92	382	2,732
Catalytic Cracking	161	1,304	1,063	19	34	2,580	168	775	4,964
Catalytic Hydrocracking	47	501	443	17	18	1,025	20	496	1,884
Delayed and Fluid Coking	29	723	504	28	–	1,283	59	407	2,238
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.65	1.53	1.35	1.66	0.69	1.39	1.43	1.41	1.35
API Gravity, Weighted Average (degrees)	38.91	31.71	30.77	30.84	39.79	32.00	33.18	28.51	31.88
Operable Capacity (daily average)	**731**	**4,959**	**3,699**	**256**	**124**	**9,769**	**693**	**2,848**	**18,504**
Operating	731	4,959	3,699	256	124	9,769	683	2,703	18,258
Idle	–	–	–	–	–	–	10	145	247
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**13,068**	**13,068**

– = 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] 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."