Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2018
(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	**29,332**	**3,154**	**32,486**	**78,834**	**16,052**	**26,973**	**121,859**
Hydrocarbon Gas Liquids	**888**	**–**	**888**	**2,700**	**87**	**874**	**3,661**
Natural Gas Liquids	888	–	888	2,700	87	874	3,661
Normal Butane	527	–	527	1,183	–	132	1,315
Isobutane	361	–	361	1,065	87	505	1,657
Natural Gasoline	–	–	–	452	–	237	689
Other Liquids	**-13,611**	**45**	**-13,566**	**-37,552**	**-7,029**	**-12,024**	**-56,605**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	171	160	331	1,116	399	337	1,852
Hydrogen	105	14	119	813	294	208	1,315
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	66	146	212	272	105	129	506
Fuel Ethanol	66	125	191	174	85	108	367
Renewable Diesel Fuel[2]	–	21	21	98	20	21	139
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	31	–	–	31
Unfinished Oils (net)	1,850	-106	1,744	1,865	-329	365	1,901
Naphthas and Lighter	1,020	-81	939	582	-169	160	573
Kerosene and Light Gas Oils	74	14	88	127	-88	408	447
Heavy Gas Oils	346	-32	314	1,176	-72	-85	1,019
Residuum	410	-7	403	-20	–	-118	-138
Motor Gasoline Blend.Comp. (MGBC)(net)	-15,632	-9	-15,641	-40,533	-7,099	-12,726	-60,358
Reformulated - RBOB	-9,919	–	-9,919	-8,830	-324	–	-9,154
Conventional	-5,713	-9	-5,722	-31,703	-6,775	-12,726	-51,204
CBOB	-5,366	-15	-5,381	-30,856	-6,706	-12,696	-50,258
GTAB	–	–	–	–	–	–	–
Other	-347	6	-341	-847	-69	-30	-946
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**16,609**	**3,199**	**19,808**	**43,982**	**9,110**	**15,823**	**68,915**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	946	104	1,050	2,529	518	872	3,919
Operable Capacity (daily average)	1,125	98	1,224	2,640	540	914	4,094
Operable Utilization Rate (percent)[3]	84.1	105.5	85.8	95.8	96.0	95.4	95.7
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	156	17	173	476	75	159	710
Catalytic Cracking	349	18	367	783	147	224	1,154
Catalytic Hydrocracking	29	–	29	187	58	61	306
Delayed and Fluid Coking	62	–	62	389	70	92	551
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.67	1.68	0.77	1.60	1.82	0.73	1.43
API Gravity, Weighted Average (degrees)	35.50	31.91	35.14	31.33	27.96	38.93	32.49
Operable Capacity (daily average)	**1,125**	**98**	**1,224**	**2,640**	**540**	**914**	**4,094**
Operating	1,125	98	1,224	2,613	502	914	4,029
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, December 2018
(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	**21,079**	**145,718**	**112,361**	**7,226**	**4,226**	**290,610**	**19,010**	**75,726**	**539,691**
Hydrocarbon Gas Liquids	**847**	**4,734**	**5,139**	**37**	**188**	**10,945**	**662**	**3,572**	**19,728**
Natural Gas Liquids	847	4,734	5,139	37	188	10,945	662	3,572	19,728
Normal Butane	577	2,101	2,384	–	–	5,062	345	1,926	9,175
Isobutane	123	1,648	1,791	33	188	3,783	197	845	6,843
Natural Gasoline	147	985	964	4	–	2,100	120	801	3,710
Other Liquids	**-9,681**	**-52,702**	**-33,306**	**-1,785**	**-1,557**	**-99,031**	**-5,387**	**-35,259**	**-209,848**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	301	2,462	2,083	151	112	5,109	490	1,487	9,269
Hydrogen	20	2,401	1,778	108	46	4,353	189	1,198	7,174
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	281	61	305	43	66	756	301	289	2,064
Fuel Ethanol	226	47	175	28	54	530	277	91	1,456
Renewable Diesel Fuel[2]	55	14	130	15	12	226	24	198	608
Other Renewable Fuels	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	31
Unfinished Oils (net)	-167	-470	9,749	-185	-33	8,894	-302	2,501	14,738
Naphthas and Lighter	52	-5,217	70	-32	-58	-5,185	33	133	-3,507
Kerosene and Light Gas Oils	-12	-643	1,531	-15	73	934	-307	-186	976
Heavy Gas Oils	-28	5,643	7,043	-76	-48	12,534	-122	1,801	15,546
Residuum	-179	-253	1,105	-62	–	611	94	753	1,723
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,823	-54,694	-45,145	-1,751	-1,636	-113,049	-5,575	-39,247	-233,870
Reformulated - RBOB	-1,080	-14,060	-2,218	–	-837	-18,195	–	-28,345	-65,613
Conventional	-8,743	-40,634	-42,927	-1,751	-799	-94,854	-5,575	-10,902	-168,257
CBOB	-8,585	-34,266	-39,233	-1,722	-792	-84,598	-5,693	-9,829	-155,759
GTAB	–	–	–	–	–	–	–	–	–
Other	-158	-6,368	-3,694	-29	-7	-10,256	118	-1,073	-12,498
Aviation Gasoline Blend. Comp. (net)	8	–	7	–	–	15	–	–	15
Total Input to Refineries	**12,245**	**97,750**	**84,194**	**5,478**	**2,857**	**202,524**	**14,285**	**44,039**	**349,571**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	682	4,799	3,730	208	137	9,557	614	2,611	17,750
Operable Capacity (daily average)	747	4,955	3,671	256	137	9,765	683	2,838	18,603
Operable Utilization Rate (percent)[3]	91.3	96.9	101.6	81.2	100.3	97.9	89.9	92.0	95.4
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	141	694	606	33	29	1,503	98	388	2,873
Catalytic Cracking	180	1,295	1,079	15	33	2,603	164	673	4,961
Catalytic Hydrocracking	49	556	460	17	18	1,100	19	440	1,894
Delayed and Fluid Coking	24	804	566	26	–	1,420	64	462	2,559
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.57	1.53	1.37	1.52	0.69	1.38	1.35	1.41	1.36
API Gravity, Weighted Average (degrees)	39.88	32.48	31.88	30.88	40.14	32.90	33.99	28.04	32.28
Operable Capacity (daily average)	**747**	**4,955**	**3,671**	**256**	**137**	**9,765**	**683**	**2,838**	**18,603**
Operating	747	4,955	3,671	256	137	9,765	673	2,838	18,528
Idle	–	–	–	–	–	–	10	–	75
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**14,873**	**14,873**

– = 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."