Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 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	**27,186**	**3,067**	**30,253**	**74,452**	**15,686**	**24,450**	**114,588**
Hydrocarbon Gas Liquids	**886**	**–**	**886**	**2,473**	**62**	**855**	**3,390**
Natural Gas Liquids	886	–	886	2,473	62	855	3,390
Normal Butane	642	–	642	854	–	37	891
Isobutane	244	–	244	1,003	62	503	1,568
Natural Gasoline	–	–	–	616	–	315	931
Other Liquids	**-12,482**	**101**	**-12,381**	**-35,548**	**-6,602**	**-11,061**	**-53,211**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	158	160	318	976	397	309	1,682
Hydrogen	91	14	105	670	282	181	1,133
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	67	146	213	266	115	128	509
Fuel Ethanol	67	122	189	166	94	106	366
Renewable Diesel Fuel[2]	–	24	24	100	21	22	143
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	40	–	–	40
Unfinished Oils (net)	1,143	-44	1,099	-344	-278	138	-484
Naphthas and Lighter	902	-56	846	643	-147	7	503
Kerosene and Light Gas Oils	-394	17	-377	-405	-117	-157	-679
Heavy Gas Oils	465	-9	456	-174	-14	240	52
Residuum	170	4	174	-408	–	48	-360
Motor Gasoline Blend.Comp. (MGBC)(net)	-13,783	-15	-13,798	-36,180	-6,721	-11,508	-54,409
Reformulated - RBOB	-8,942	–	-8,942	-7,905	-227	–	-8,132
Conventional	-4,841	-15	-4,856	-28,275	-6,494	-11,508	-46,277
CBOB	-4,852	-25	-4,877	-27,905	-6,721	-11,358	-45,984
GTAB	–	–	–	–	–	–	–
Other	11	10	21	-370	227	-150	-293
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**15,590**	**3,168**	**18,758**	**41,377**	**9,146**	**14,244**	**64,767**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	906	104	1,011	2,464	522	816	3,802
Operable Capacity (daily average)	1,125	98	1,224	2,640	540	914	4,094
Operable Utilization Rate (percent)[3]	80.5	106.3	82.6	93.3	96.8	89.3	92.9
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	161	16	177	463	77	148	688
Catalytic Cracking	357	18	374	715	146	216	1,076
Catalytic Hydrocracking	23	–	23	170	62	56	288
Delayed and Fluid Coking	58	–	58	344	71	97	511
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.92	1.66	0.99	1.60	1.88	0.69	1.44
API Gravity, Weighted Average (degrees)	33.98	31.97	33.78	32.56	27.40	38.28	33.00
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, November 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	**19,602**	**140,929**	**106,838**	**6,084**	**4,084**	**277,537**	**17,372**	**74,823**	**514,573**
Hydrocarbon Gas Liquids	**757**	**4,533**	**5,137**	**38**	**186**	**10,651**	**571**	**3,355**	**18,853**
Natural Gas Liquids	757	4,533	5,137	38	186	10,651	571	3,355	18,853
Normal Butane	508	1,904	2,513	–	–	4,925	216	1,686	8,360
Isobutane	117	1,718	1,571	35	186	3,627	190	882	6,511
Natural Gasoline	132	911	1,053	3	–	2,099	165	787	3,982
Other Liquids	**-8,838**	**-50,674**	**-32,851**	**-1,279**	**-1,474**	**-95,116**	**-4,208**	**-35,416**	**-200,332**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	282	2,452	1,876	190	110	4,910	481	1,459	8,850
Hydrogen	12	2,391	1,551	102	44	4,100	176	1,138	6,652
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	270	61	325	88	66	810	305	321	2,158
Fuel Ethanol	213	47	172	29	55	516	281	92	1,444
Renewable Diesel Fuel[2]	57	14	153	59	11	294	24	229	714
Other Renewable Fuels	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	40
Unfinished Oils (net)	158	-2,565	8,169	123	-6	5,879	-89	1,492	7,897
Naphthas and Lighter	154	-6,383	-559	20	-7	-6,775	56	3	-5,367
Kerosene and Light Gas Oils	267	-378	-105	16	-19	-219	-223	7	-1,491
Heavy Gas Oils	-254	4,373	8,711	139	20	12,989	-72	922	14,347
Residuum	-9	-177	122	-52	–	-116	150	560	408
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,286	-50,561	-42,884	-1,592	-1,578	-105,901	-4,600	-38,367	-217,075
Reformulated - RBOB	-949	-13,319	-2,140	–	-701	-17,109	–	-27,751	-61,934
Conventional	-8,337	-37,242	-40,744	-1,592	-877	-88,792	-4,600	-10,616	-155,141
CBOB	-8,267	-31,892	-39,479	-1,540	-848	-82,026	-4,612	-10,592	-148,091
GTAB	–	–	–	–	–	–	–	–	–
Other	-70	-5,350	-1,265	-52	-29	-6,766	12	-24	-7,050
Aviation Gasoline Blend. Comp. (net)	8	–	-12	–	–	-4	–	–	-4
Total Input to Refineries	**11,521**	**94,788**	**79,124**	**4,843**	**2,796**	**193,072**	**13,735**	**42,762**	**333,094**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	661	4,792	3,658	186	135	9,433	580	2,676	17,501
Operable Capacity (daily average)	747	4,955	3,671	256	137	9,765	683	2,838	18,603
Operable Utilization Rate (percent)[3]	88.6	96.7	99.7	72.4	98.9	96.6	85.0	94.3	94.1
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	147	674	570	29	31	1,451	93	372	2,781
Catalytic Cracking	169	1,279	1,113	16	35	2,613	144	719	4,927
Catalytic Hydrocracking	38	589	402	16	18	1,063	20	455	1,849
Delayed and Fluid Coking	26	814	526	19	–	1,385	61	451	2,466
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.54	1.55	1.38	1.62	0.70	1.40	1.44	1.45	1.39
API Gravity, Weighted Average (degrees)	39.72	32.18	32.03	30.60	39.67	32.75	32.94	28.43	32.25
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	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**15,614**	**15,614**

– = 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."