Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 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	**13,478**	**2,973**	**16,451**	**67,529**	**13,106**	**24,580**	**105,215**
Hydrocarbon Gas Liquids	**385**	**–**	**385**	**1,464**	**66**	**884**	**2,414**
Natural Gas Liquids	385	–	385	1,464	66	884	2,414
Normal Butane	139	–	139	139	–	5	144
Isobutane	246	–	246	986	66	401	1,453
Natural Gasoline	–	–	–	339	–	478	817
Other Liquids	**-6,386**	**155**	**-6,231**	**-31,409**	**-4,786**	**-9,901**	**-46,096**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	143	162	305	911	453	328	1,692
Hydrogen	85	9	94	629	250	177	1,056
Oxygenates (excluding Fuel Ethanol)	– –	– –	– –	– –	– –	– –	– –
Methyl Tertiary Butyl Ether (MTBE)	– –	– –	– –	– –	– –	– –	– –
All Other Oxygenates[1]	– –	– –	– –	– –	– –	– –	– –
Renewable Fuels (including Fuel Ethanol)	58	153	211	254	203	151	608
Fuel Ethanol	58	126	184	165	143	130	438
Renewable Diesel Fuel[2]	–	27	27	89	60	21	170
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	28	–	–	28
Unfinished Oils (net)	3,609	-120	3,489	-641	-102	161	-582
Naphthas and Lighter	412	-81	331	-282	27	-70	-325
Kerosene and Light Gas Oils	242	–	242	110	-175	225	160
Heavy Gas Oils	2,025	-40	1,985	-239	46	130	-63
Residuum	930	1	931	-230	–	-124	-354
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,138	113	-10,025	-31,679	-5,137	-10,390	-47,206
Reformulated - RBOB	-7,334	–	-7,334	-6,131	-255	–	-6,386
Conventional	-2,804	113	-2,691	-25,548	-4,882	-10,390	-40,820
CBOB	-2,898	74	-2,824	-25,337	-4,705	-10,169	-40,211
GTAB	–	–	–	–	–	–	–
Other	94	39	133	-211	-177	-221	-609
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**7,477**	**3,128**	**10,605**	**37,584**	**8,386**	**15,563**	**61,533**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	481	100	581	2,239	454	820	3,514
Operable Capacity (daily average)	791	98	889	2,703	547	927	4,177
Operable Utilization Rate (percent)[3]	60.8	102.1	65.4	82.8	83.0	88.5	84.1
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	91	16	108	428	68	157	653
Catalytic Cracking	248	16	264	685	146	204	1,035
Catalytic Hydrocracking	33	–	33	168	65	59	291
Delayed and Fluid Coking	33	–	33	261	73	82	415
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.70	1.70	0.88	1.51	1.89	0.57	1.34
API Gravity, Weighted Average (degrees)	36.89	31.90	35.95	33.32	25.69	38.67	33.51
Operable Capacity (daily average)	**791**	**98**	**889**	**2,703**	**547**	**927**	**4,177**
Operating	791	98	889	2,703	509	927	4,139
Idle	–	–	–	–	38	–	38
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, September 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	**20,568**	**116,484**	**62,701**	**7,240**	**2,996**	**209,989**	**17,582**	**57,948**	**407,185**
Hydrocarbon Gas Liquids	**515**	**4,622**	**2,902**	**32**	**141**	**8,212**	**392**	**1,767**	**13,170**
Natural Gas Liquids	515	4,622	2,902	32	141	8,212	392	1,767	13,170
Normal Butane	239	1,380	840	6	–	2,465	117	450	3,315
Isobutane	245	2,202	955	22	141	3,565	170	579	6,013
Natural Gasoline	31	1,040	1,107	4	–	2,182	105	738	3,842
Other Liquids	**-8,572**	**-45,107**	**-18,371**	**-1,593**	**-1,558**	**-75,201**	**-4,272**	**-28,307**	**-160,107**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	280	1,880	1,404	112	54	3,730	466	1,686	7,879
Hydrogen	9	1,814	1,179	44	41	3,087	186	1,318	5,741
Oxygenates (excluding Fuel Ethanol)	– –	– –	– –	– –	– –	– –	– –	– –	– –
Methyl Tertiary Butyl Ether (MTBE)	– –	– –	– –	– –	– –	– –	– –	– –	– –
All Other Oxygenates[1]	– –	– –	– –	– –	– –	– –	– –	– –	– –
Renewable Fuels (including Fuel Ethanol)	271	66	225	68	13	643	280	368	2,110
Fuel Ethanol	216	44	185	49	7	501	243	88	1,454
Renewable Diesel Fuel[2]	55	22	40	19	6	142	37	280	656
Other Renewable Fuels	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	28
Unfinished Oils (net)	-185	-2,136	8,072	-148	-80	5,523	61	2,673	11,164
Naphthas and Lighter	-51	-4,977	179	-87	-61	-4,997	79	-178	-5,090
Kerosene and Light Gas Oils	20	-1,774	52	11	-28	-1,719	-324	67	-1,574
Heavy Gas Oils	-94	1,832	3,932	-19	9	5,660	245	1,646	9,473
Residuum	-60	2,783	3,909	-53	–	6,579	61	1,138	8,355
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,678	-44,851	-27,847	-1,557	-1,532	-84,465	-4,799	-32,666	-179,161
Reformulated - RBOB	-544	-12,045	-1,680	–	-675	-14,944	–	-23,940	-52,604
Conventional	-8,134	-32,806	-26,167	-1,557	-857	-69,521	-4,799	-8,726	-126,557
CBOB	-8,156	-27,029	-26,072	-1,533	-839	-63,629	-4,806	-8,372	-119,842
GTAB	–	–	–	–	–	–	–	–	–
Other	22	-5,777	-95	-24	-18	-5,892	7	-354	-6,715
Aviation Gasoline Blend. Comp. (net)	11	–	–	–	–	11	–	–	11
Total Input to Refineries	**12,511**	**75,999**	**47,232**	**5,679**	**1,579**	**143,000**	**13,702**	**31,408**	**260,248**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	685	4,035	2,295	221	100	7,337	587	2,119	14,138
Operable Capacity (daily average)	742	5,114	3,732	258	110	9,956	650	2,714	18,386
Operable Utilization Rate (percent)[3]	92.4	78.9	61.5	85.7	90.8	73.7	90.3	78.1	76.9
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	161	614	384	33	21	1,214	99	370	2,443
Catalytic Cracking	176	1,188	688	17	28	2,097	164	608	4,168
Catalytic Hydrocracking	43	430	322	14	16	825	26	419	1,594
Delayed and Fluid Coking	23	602	386	25	–	1,036	52	420	1,955
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.57	1.38	1.25	1.37	0.83	1.24	1.45	1.24	1.26
API Gravity, Weighted Average (degrees)	39.65	35.09	31.05	30.81	38.42	34.33	32.44	30.49	33.56
Operable Capacity (daily average)	**742**	**5,114**	**3,732**	**258**	**110**	**9,956**	**650**	**2,714**	**18,386**
Operating	742	4,853	2,811	258	110	8,774	641	2,660	17,103
Idle	–	261	922	–	–	1,182	10	54	1,283
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**9,973**	**9,973**

– – = 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."