

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>28,329</b>	<b>3,075</b>	<b>31,404</b>	<b>76,479</b>	<b>15,811</b>	<b>27,948</b>	<b>120,238</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,202</b>	<b>-</b>	<b>2,202</b>	<b>2,376</b>	<b>145</b>	<b>1,046</b>	<b>3,567</b>
Natural Gas Liquids .....	2,202	-	2,202	2,376	145	1,046	3,567
Normal Butane .....	1,497	-	1,497	846	58	337	1,241
Isobutane .....	460	-	460	923	75	423	1,421
Natural Gasoline .....	245	-	245	607	12	286	905
<b>Other Liquids</b> .....	<b>74,789</b>	<b>5,620</b>	<b>80,409</b>	<b>5,705</b>	<b>1,780</b>	<b>-66</b>	<b>7,419</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	9,681	747	10,428	5,576	1,384	1,699	8,659
Hydrogen .....	103	13	116	719	270	191	1,180
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	9,578	734	10,312	4,833	1,114	1,508	7,455
Fuel Ethanol .....	9,234	681	9,915	4,593	1,058	1,448	7,099
Renewable Diesel Fuel <sup>2</sup> .....	344	53	397	240	56	60	356
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	24	-	-	24
Unfinished Oils (net) .....	2,422	-104	2,318	-90	-192	-105	-387
Naphthas and Lighter .....	1,290	-82	1,208	519	-122	254	651
Kerosene and Light Gas Oils .....	405	-	405	-242	-163	-91	-496
Heavy Gas Oils .....	873	-24	849	-39	93	-147	-93
Residuum .....	-146	2	-144	-328	-	-121	-449
Motor Gasoline Blend.Comp. (MGBC)(net) .....	62,686	4,977	67,663	219	588	-1,660	-853
Reformulated - RBOB .....	14,207	103	14,207	-986	1,042	1,045	1,101
Conventional .....	48,479	4,977	53,456	1,205	-454	-2,705	-1,954
CBOB .....	41,948	4,976	46,924	2,993	-555	-2,807	-369
GTAB .....	1,767	-	1,767	-	-	-	-
Other .....	4,764	1	4,765	-1,788	101	102	-1,585
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>105,320</b>	<b>8,695</b>	<b>114,015</b>	<b>84,560</b>	<b>17,736</b>	<b>28,928</b>	<b>131,224</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>20,045</b>	<b>136,557</b>	<b>107,233</b>	<b>6,842</b>	<b>3,918</b>	<b>274,595</b>	<b>19,638</b>	<b>74,397</b>	<b>520,272</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>932</b>	<b>5,180</b>	<b>4,723</b>	<b>80</b>	<b>174</b>	<b>11,089</b>	<b>834</b>	<b>3,231</b>	<b>20,923</b>
Natural Gas Liquids .....	932	5,180	4,723	80	174	11,089	834	3,231	20,923
Normal Butane .....	478	2,364	2,159	41	-	5,042	463	1,763	10,006
Isobutane .....	303	1,621	1,637	36	174	3,771	200	676	6,528
Natural Gasoline .....	151	1,195	927	3	-	2,276	171	792	4,389
<b>Other Liquids</b> .....	<b>7,612</b>	<b>-38,253</b>	<b>-28,106</b>	<b>6,867</b>	<b>-441</b>	<b>-52,321</b>	<b>-1,217</b>	<b>9,569</b>	<b>43,859</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,088	3,269	2,334	1,140	244	9,075	1,107	6,259	35,528
Hydrogen .....	12	2,411	1,735	104	50	4,312	195	1,098	6,901
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	2,076	858	599	1,036	194	4,763	912	5,161	28,603
Fuel Ethanol .....	1,957	801	471	959	166	4,354	876	4,632	26,876
Renewable Diesel Fuel <sup>2</sup> .....	119	57	128	77	28	409	36	522	1,720
Other Renewable Fuels .....	-	-	-	-	-	-	-	7	7
Other Hydrocarbons .....	-	-	-	-	-	-	-	-	24
Unfinished Oils (net) .....	-971	-4,400	7,193	-136	-106	1,580	-635	1,862	4,738
Naphthas and Lighter .....	-131	-6,378	-203	-29	-52	-6,793	-46	-799	-5,779
Kerosene and Light Gas Oils .....	-6	-808	980	2	-47	121	-300	336	66
Heavy Gas Oils .....	-923	2,313	5,963	-45	-7	7,301	-206	1,883	9,734
Residuam .....	89	473	453	-64	-	951	-83	442	717
Motor Gasoline Blend.Comp. (MGBC)(net) .....	6,496	-37,122	-37,626	5,863	-579	-62,968	-1,689	1,448	3,601
Reformulated - RBOB .....	5,330	-8,122	-2,322	-	-716	-5,830	-	1,462	10,940
Conventional .....	1,166	-29,000	-35,304	5,863	137	-57,138	-1,689	-14	-7,339
CBOB .....	1,354	-31,704	-35,419	5,907	71	-59,791	-1,721	527	-14,430
GTAB .....	-	-	-	-	-	-	-	-	1,767
Other .....	-188	2,704	115	-44	66	2,653	32	-541	5,324
Aviation Gasoline Blend. Comp. (net) .....	-1	-	-7	-	-	-8	-	-	-8
<b>Total Input</b> .....	<b>28,589</b>	<b>103,484</b>	<b>83,850</b>	<b>13,789</b>	<b>3,651</b>	<b>233,363</b>	<b>19,255</b>	<b>87,197</b>	<b>585,054</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, February 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>19,076</b>	<b>2,646</b>	<b>21,722</b>	<b>62,504</b>	<b>14,090</b>	<b>22,155</b>	<b>98,749</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,423</b>	<b>-</b>	<b>1,423</b>	<b>1,864</b>	<b>126</b>	<b>895</b>	<b>2,885</b>
Natural Gas Liquids .....	1,423	-	1,423	1,864	126	895	2,885
Normal Butane .....	878	-	878	557	65	216	838
Isobutane .....	363	-	363	959	49	419	1,427
Natural Gasoline .....	182	-	182	348	12	260	620
<b>Other Liquids</b> .....	<b>71,214</b>	<b>5,296</b>	<b>76,510</b>	<b>10,454</b>	<b>1,632</b>	<b>1,524</b>	<b>13,610</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	8,834	706	9,540	5,074	1,272	1,564	7,910
Hydrogen .....	83	10	93	591	262	183	1,036
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	8,751	696	9,447	4,463	1,010	1,381	6,854
Fuel Ethanol .....	8,449	633	9,082	4,249	975	1,335	6,559
Renewable Diesel Fuel <sup>2</sup> .....	302	63	365	214	35	46	295
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	20	-	-	20
Unfinished Oils (net) .....	251	-214	37	-160	-609	-381	-1,150
Naphthas and Lighter .....	282	-160	122	-313	-144	-14	-471
Kerosene and Light Gas Oils .....	12	-	12	-281	-248	-248	-777
Heavy Gas Oils .....	-347	-57	-404	133	-217	118	34
Residuam .....	304	3	307	301	-	-237	64
Motor Gasoline Blend.Comp. (MGBC)(net) .....	62,129	4,804	66,933	5,540	969	341	6,850
Reformulated - RBOB .....	14,726	81	14,726	-577	1,113	872	1,408
Conventional .....	47,403	4,804	52,207	6,117	-144	-531	5,442
CBOB .....	39,657	4,820	44,477	7,131	-86	-289	6,756
GTAB .....	2,813	-	2,813	-	-	-	-
Other .....	4,933	-16	4,917	-1,014	-58	-242	-1,314
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>91,713</b>	<b>7,942</b>	<b>99,655</b>	<b>74,822</b>	<b>15,848</b>	<b>24,574</b>	<b>115,244</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, February 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>19,227</b>	<b>117,743</b>	<b>93,929</b>	<b>6,140</b>	<b>3,512</b>	<b>240,551</b>	<b>16,927</b>	<b>65,732</b>	<b>443,681</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>721</b>	<b>4,249</b>	<b>4,128</b>	<b>53</b>	<b>190</b>	<b>9,341</b>	<b>617</b>	<b>2,302</b>	<b>16,568</b>
Natural Gas Liquids .....	721	4,249	4,128	53	190	9,341	617	2,302	16,568
Normal Butane .....	336	1,535	1,839	34	—	3,744	270	1,042	6,772
Isobutane .....	252	1,584	1,432	16	190	3,474	207	527	5,998
Natural Gasoline .....	133	1,130	857	3	—	2,123	140	733	3,798
<b>Other Liquids</b> .....	<b>6,862</b>	<b>-32,776</b>	<b>-25,685</b>	<b>6,617</b>	<b>-371</b>	<b>-45,353</b>	<b>-384</b>	<b>9,785</b>	<b>54,168</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	1,927	2,818	1,919	1,056	205	7,925	1,028	5,718	32,121
Hydrogen .....	7	2,004	1,455	98	41	3,605	203	977	5,914
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	1,920	814	464	958	164	4,320	825	4,741	26,187
Fuel Ethanol .....	1,816	761	437	888	141	4,043	797	4,232	24,713
Renewable Diesel Fuel <sup>2</sup> .....	104	53	27	70	23	277	28	505	1,470
Other Renewable Fuels .....	—	—	—	—	—	—	—	4	4
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	20
Unfinished Oils (net) .....	-172	-2,254	6,929	-143	124	4,484	-172	-416	2,783
Naphthas and Lighter .....	-136	-5,783	293	-27	93	-5,560	-165	-650	-6,724
Kerosene and Light Gas Oils .....	-7	-915	604	-6	-6	-330	-213	-510	-1,818
Heavy Gas Oils .....	209	4,541	6,151	-71	37	10,867	111	943	11,551
Residuum .....	-238	-97	-119	-39	—	-493	95	-199	-226
Motor Gasoline Blend.Comp. (MGBC)(net) .....	5,111	-33,340	-34,542	5,704	-700	-57,767	-1,240	4,483	19,259
Reformulated - RBOB .....	4,931	-8,353	-1,642	—	-749	-5,813	—	3,608	13,929
Conventional .....	180	-24,987	-32,900	5,704	49	-51,954	-1,240	875	5,330
CBOB .....	267	-27,608	-30,949	5,736	67	-52,487	-1,400	1,390	-1,264
GTAB .....	—	—	—	—	—	—	—	—	2,813
Other .....	-87	2,621	-1,951	-32	-18	533	160	-515	3,781
Aviation Gasoline Blend. Comp. (net) .....	-4	—	9	—	—	5	—	—	5
<b>Total Input</b> .....	<b>26,810</b>	<b>89,216</b>	<b>72,372</b>	<b>12,810</b>	<b>3,331</b>	<b>204,539</b>	<b>17,160</b>	<b>77,819</b>	<b>514,417</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>25,295</b>	<b>3,006</b>	<b>28,301</b>	<b>73,290</b>	<b>15,988</b>	<b>20,300</b>	<b>109,578</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,843</b>	<b>-</b>	<b>1,843</b>	<b>1,722</b>	<b>200</b>	<b>787</b>	<b>2,709</b>
Natural Gas Liquids .....	1,843	-	1,843	1,722	200	787	2,709
Normal Butane .....	1,055	-	1,055	243	121	212	576
Isobutane .....	504	-	504	1,135	63	334	1,532
Natural Gasoline .....	284	-	284	344	16	241	601
<b>Other Liquids</b> .....	<b>81,118</b>	<b>6,289</b>	<b>87,407</b>	<b>12,450</b>	<b>2,163</b>	<b>4,976</b>	<b>19,589</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	10,135	808	10,943	5,949	1,443	1,778	9,170
Hydrogen .....	39	9	48	743	294	147	1,184
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	10,096	799	10,895	5,173	1,149	1,631	7,953
Fuel Ethanol .....	9,777	733	10,510	4,898	1,085	1,573	7,556
Renewable Diesel Fuel <sup>2</sup> .....	319	66	385	275	64	58	397
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	33	-	-	33
Unfinished Oils (net) .....	1,077	-20	1,057	595	-317	-598	-320
Naphthas and Lighter .....	938	-19	919	31	-144	-132	-245
Kerosene and Light Gas Oils .....	-872	-	-872	-219	-108	-212	-539
Heavy Gas Oils .....	723	-3	720	775	-65	-42	668
Residuum .....	288	2	290	8	-	-212	-204
Motor Gasoline Blend.Comp. (MGBC)(net) .....	69,906	5,501	75,407	5,906	1,037	3,796	10,739
Reformulated - RBOB .....	15,012	72	15,012	-728	1,153	1,085	1,510
Conventional .....	54,894	5,501	60,395	6,634	-116	2,711	9,229
CBOB .....	42,826	5,470	48,296	7,146	187	2,683	10,016
GTAB .....	4,096	-	4,096	-	-	-	-
Other .....	7,972	31	8,003	-512	-303	28	-787
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>108,256</b>	<b>9,295</b>	<b>117,551</b>	<b>87,462</b>	<b>18,351</b>	<b>26,063</b>	<b>131,876</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>19,803</b>	<b>132,214</b>	<b>102,953</b>	<b>5,018</b>	<b>4,142</b>	<b>264,130</b>	<b>18,833</b>	<b>73,133</b>	<b>493,975</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>663</b>	<b>4,435</b>	<b>3,049</b>	<b>62</b>	<b>188</b>	<b>8,397</b>	<b>575</b>	<b>2,344</b>	<b>15,868</b>
Natural Gas Liquids .....	663	4,435	3,049	62	188	8,397	575	2,344	15,868
Normal Butane .....	248	1,167	835	53	—	2,303	213	775	4,922
Isobutane .....	267	1,965	1,374	8	188	3,802	222	755	6,815
Natural Gasoline .....	148	1,303	840	1	—	2,292	140	814	4,131
<b>Other Liquids</b> .....	<b>9,319</b>	<b>-33,494</b>	<b>-26,144</b>	<b>8,290</b>	<b>-595</b>	<b>-42,624</b>	<b>-513</b>	<b>16,134</b>	<b>79,993</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,161	2,910	2,179	1,144	228	8,622	1,118	6,770	36,623
Hydrogen .....	6	1,984	1,639	76	44	3,749	198	1,341	6,520
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,155	926	540	1,068	184	4,873	920	5,429	30,070
Fuel Ethanol .....	2,032	863	517	1,017	156	4,585	870	4,827	28,348
Renewable Diesel Fuel <sup>2</sup> .....	123	63	23	51	28	288	50	598	1,718
Other Renewable Fuels .....	—	—	—	—	—	—	—	4	4
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	33
Unfinished Oils (net) .....	-366	-2,287	8,018	-103	-92	5,170	-573	3,223	8,557
Naphthas and Lighter .....	-332	-5,730	793	48	-15	-5,236	-286	593	-4,255
Kerosene and Light Gas Oils .....	149	231	2,264	-22	-25	2,597	-167	21	1,040
Heavy Gas Oils .....	-382	3,539	4,558	-51	-52	7,612	26	2,102	11,128
Residuum .....	199	-327	403	-78	—	197	-146	507	644
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,522	-34,117	-36,343	7,249	-731	-56,420	-1,058	6,141	34,809
Reformulated - RBOB .....	6,264	-6,642	-3,440	—	-759	-4,577	—	2,974	14,919
Conventional .....	1,258	-27,475	-32,903	7,249	28	-51,843	-1,058	3,167	19,890
CBOB .....	1,210	-28,942	-32,599	7,256	-39	-53,114	-1,083	1,804	5,919
GTAB .....	—	—	—	—	—	—	—	—	4,096
Other .....	48	1,467	-304	-7	67	1,271	25	1,363	9,875
Aviation Gasoline Blend. Comp. (net) .....	2	—	2	—	—	4	—	—	4
<b>Total Input</b> .....	<b>29,785</b>	<b>103,155</b>	<b>79,858</b>	<b>13,370</b>	<b>3,735</b>	<b>229,903</b>	<b>18,895</b>	<b>91,611</b>	<b>589,836</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>27,876</b>	<b>2,985</b>	<b>30,861</b>	<b>73,704</b>	<b>15,140</b>	<b>23,456</b>	<b>112,300</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,591</b>	<b>-</b>	<b>1,591</b>	<b>1,391</b>	<b>164</b>	<b>788</b>	<b>2,343</b>
Natural Gas Liquids .....	1,591	-	1,591	1,391	164	788	2,343
Normal Butane .....	926	-	926	257	76	185	518
Isobutane .....	399	-	399	818	80	424	1,322
Natural Gasoline .....	266	-	266	316	8	179	503
<b>Other Liquids</b> .....	<b>77,611</b>	<b>6,243</b>	<b>83,854</b>	<b>13,229</b>	<b>2,831</b>	<b>4,463</b>	<b>20,523</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	9,806	810	10,616	5,802	1,546	1,758	9,106
Hydrogen .....	63	11	74	671	263	77	1,011
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	9,743	799	10,542	5,101	1,283	1,681	8,065
Fuel Ethanol .....	9,483	727	10,210	4,815	1,062	1,602	7,479
Renewable Diesel Fuel <sup>2</sup> .....	260	72	332	286	221	79	586
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	30	-	-	30
Unfinished Oils (net) .....	1,339	-73	1,266	-957	-141	354	-744
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	45	-	-85	-40
Motor Gasoline Blend.Comp. (MGBC)(net) .....	66,466	5,506	71,972	8,384	1,426	2,351	12,161
Reformulated - RBOB .....	13,489	1	13,490	-222	1,153	951	1,882
Conventional .....	52,977	5,505	58,482	8,606	273	1,400	10,279
CBOB .....	39,359	5,541	44,900	8,799	132	1,075	10,006
GTAB .....	5,391	-	5,391	-	-	-	-
Other .....	8,227	-36	8,191	-193	141	325	273
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>107,078</b>	<b>9,228</b>	<b>116,306</b>	<b>88,324</b>	<b>18,135</b>	<b>28,707</b>	<b>135,166</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>20,404</b>	<b>130,634</b>	<b>103,249</b>	<b>5,301</b>	<b>4,164</b>	<b>263,752</b>	<b>17,078</b>	<b>66,245</b>	<b>490,236</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>573</b>	<b>3,781</b>	<b>3,144</b>	<b>66</b>	<b>188</b>	<b>7,752</b>	<b>495</b>	<b>2,391</b>	<b>14,572</b>
Natural Gas Liquids .....	573	3,781	3,144	66	188	7,752	495	2,391	14,572
Normal Butane .....	189	690	232	56	—	1,167	153	754	3,518
Isobutane .....	227	1,637	1,443	7	180	3,494	170	848	6,233
Natural Gasoline .....	157	1,454	1,469	3	8	3,091	172	789	4,821
<b>Other Liquids</b> .....	<b>8,876</b>	<b>-37,291</b>	<b>-25,242</b>	<b>7,914</b>	<b>-519</b>	<b>-46,262</b>	<b>334</b>	<b>16,002</b>	<b>74,451</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,191	2,740	2,116	1,104	230	8,381	1,113	6,601	35,817
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 <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,181	900	533	1,049	189	4,852	925	5,413	29,797
Fuel Ethanol .....	2,051	836	504	1,005	158	4,554	874	4,784	27,901
Renewable Diesel Fuel <sup>2</sup> .....	130	64	29	44	31	298	51	611	1,878
Other Renewable Fuels .....	—	—	—	—	—	—	—	18	18
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	30
Unfinished Oils (net) .....	-505	-2,586	9,718	-590	-13	6,024	-37	1,226	7,735
Naphthas and Lighter .....	-313	-5,128	560	-145	-15	-5,041	35	598	-3,745
Kerosene and Light Gas Oils .....	-92	-579	1,855	-14	1	1,171	-314	-2,144	-2,008
Heavy Gas Oils .....	77	2,311	6,351	-346	1	8,394	413	2,314	11,729
Residuum .....	-177	810	952	-85	—	1,500	-171	458	1,759
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,179	-37,445	-37,070	7,400	-736	-60,672	-742	8,175	30,894
Reformulated - RBOB .....	6,312	-8,027	-5,180	—	-807	-7,702	—	4,922	12,592
Conventional .....	867	-29,418	-31,890	7,400	71	-52,970	-742	3,253	18,302
CBOB .....	966	-33,233	-31,466	7,440	52	-56,241	-807	1,094	-1,048
GTAB .....	—	—	—	—	—	—	—	—	5,391
Other .....	-99	3,815	-424	-40	19	3,271	65	2,159	13,959
Aviation Gasoline Blend. Comp. (net) .....	11	—	-6	—	—	5	—	—	5
<b>Total Input</b> .....	<b>29,853</b>	<b>97,124</b>	<b>81,151</b>	<b>13,281</b>	<b>3,833</b>	<b>225,242</b>	<b>17,907</b>	<b>84,638</b>	<b>579,259</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."



**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>30,654</b>	<b>3,046</b>	<b>33,700</b>	<b>67,871</b>	<b>15,304</b>	<b>26,246</b>	<b>109,421</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>489</b>	<b>-</b>	<b>489</b>	<b>1,290</b>	<b>62</b>	<b>610</b>	<b>1,962</b>
Natural Gas Liquids .....	489	-	489	1,290	62	610	1,962
Normal Butane .....	4	-	4	9	5	21	35
Isobutane .....	383	-	383	796	53	409	1,258
Natural Gasoline .....	102	-	102	485	4	180	669
<b>Other Liquids</b> .....	<b>82,858</b>	<b>6,756</b>	<b>89,614</b>	<b>19,910</b>	<b>4,321</b>	<b>4,456</b>	<b>28,687</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	10,321	865	11,186	6,100	1,736	1,930	9,766
Hydrogen .....	92	11	103	698	288	169	1,155
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	10,229	854	11,083	5,384	1,448	1,761	8,593
Fuel Ethanol .....	9,989	775	10,764	5,107	1,173	1,681	7,961
Renewable Diesel Fuel <sup>2</sup> .....	240	79	319	277	275	80	632
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	18	-	-	18
Unfinished Oils (net) .....	2,516	-85	2,431	57	-338	-33	-314
Naphthas and Lighter .....	914	-45	869	563	-175	-214	174
Kerosene and Light Gas Oils .....	-391	-	-391	762	-168	91	685
Heavy Gas Oils .....	1,687	-38	1,649	-1,200	5	181	-1,014
Residuum .....	306	-2	304	-68	-	-91	-159
Motor Gasoline Blend.Comp. (MGBC)(net) .....	70,021	5,976	75,997	13,753	2,923	2,559	19,235
Reformulated - RBOB .....	14,493	637	15,130	-85	1,511	1,034	2,460
Conventional .....	55,528	5,339	60,867	13,838	1,412	1,525	16,775
CBOB .....	40,173	5,335	45,508	11,968	1,284	1,414	14,666
GTAB .....	6,245	-	6,245	-	-	-	-
Other .....	9,110	4	9,114	1,870	128	111	2,109
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>114,001</b>	<b>9,802</b>	<b>123,803</b>	<b>89,071</b>	<b>19,687</b>	<b>31,312</b>	<b>140,070</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>22,005</b>	<b>138,255</b>	<b>108,782</b>	<b>7,535</b>	<b>4,320</b>	<b>280,897</b>	<b>20,437</b>	<b>73,848</b>	<b>518,303</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>572</b>	<b>4,089</b>	<b>4,101</b>	<b>28</b>	<b>190</b>	<b>8,980</b>	<b>480</b>	<b>2,346</b>	<b>14,257</b>
Natural Gas Liquids .....	572	4,089	4,101	28	190	8,980	480	2,346	14,257
Normal Butane .....	170	690	117	3	1	981	107	759	1,886
Isobutane .....	242	1,848	1,680	22	189	3,981	205	831	6,658
Natural Gasoline .....	160	1,551	2,304	3	-	4,018	168	756	5,713
<b>Other Liquids</b> .....	<b>9,343</b>	<b>-40,194</b>	<b>-28,900</b>	<b>7,637</b>	<b>-567</b>	<b>-52,681</b>	<b>-171</b>	<b>12,654</b>	<b>78,103</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,251	2,966	2,191	1,168	253	8,829	1,203	6,733	37,717
Hydrogen .....	3	2,040	1,606	66	49	3,764	210	1,150	6,382
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	2,248	926	585	1,102	204	5,065	993	5,583	31,317
Fuel Ethanol .....	2,129	867	535	1,073	177	4,781	927	4,924	29,357
Renewable Diesel Fuel <sup>2</sup> .....	119	59	50	29	27	284	66	654	1,955
Other Renewable Fuels .....	-	-	-	-	-	-	-	5	5
Other Hydrocarbons .....	-	-	-	-	-	-	-	-	18
Unfinished Oils (net) .....	123	-3,463	9,622	-296	-188	5,798	-103	606	8,418
Naphthas and Lighter .....	22	-7,111	379	5	-84	-6,789	-66	243	-5,569
Kerosene and Light Gas Oils .....	-76	-1,776	1,292	-124	-83	-767	-240	-1,699	-2,412
Heavy Gas Oils .....	201	3,949	5,930	-80	-21	9,979	376	3,351	14,341
Residuum .....	-24	1,475	2,021	-97	-	3,375	-173	-1,289	2,058
Motor Gasoline Blend.Comp. (MGBC)(net) .....	6,954	-39,697	-40,717	6,765	-632	-67,327	-1,271	5,315	31,949
Reformulated - RBOB .....	6,217	-10,277	-6,233	-	-870	-11,163	-	3,554	9,981
Conventional .....	737	-29,420	-34,484	6,765	238	-56,164	-1,271	1,761	21,968
CBOB .....	738	-33,714	-34,543	6,807	261	-60,451	-1,290	312	-1,255
GTAB .....	-	-	-	-	-	-	-	-	6,245
Other .....	-1	4,294	59	-42	-23	4,287	19	1,449	16,978
Aviation Gasoline Blend. Comp. (net) .....	15	-	4	-	-	19	-	-	19
<b>Total Input</b> .....	<b>31,920</b>	<b>102,150</b>	<b>83,983</b>	<b>15,200</b>	<b>3,943</b>	<b>237,196</b>	<b>20,746</b>	<b>88,848</b>	<b>610,663</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>28,803</b>	<b>2,250</b>	<b>31,053</b>	<b>74,544</b>	<b>15,585</b>	<b>27,369</b>	<b>117,498</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>408</b>	<b>-</b>	<b>408</b>	<b>1,297</b>	<b>43</b>	<b>830</b>	<b>2,170</b>
Natural Gas Liquids .....	408	-	408	1,297	43	830	2,170
Normal Butane .....	11	-	11	4	9	30	43
Isobutane .....	324	-	324	849	34	358	1,241
Natural Gasoline .....	73	-	73	444	-	442	886
<b>Other Liquids</b> .....	<b>79,779</b>	<b>6,808</b>	<b>86,587</b>	<b>14,061</b>	<b>4,094</b>	<b>2,257</b>	<b>20,412</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	9,868	816	10,684	5,989	1,660	1,862	9,511
Hydrogen .....	88	8	96	691	277	191	1,159
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	9,780	808	10,588	5,267	1,383	1,671	8,321
Fuel Ethanol .....	9,575	753	10,328	4,969	1,114	1,600	7,683
Renewable Diesel Fuel <sup>2</sup> .....	205	55	260	298	269	71	638
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	31	-	-	31
Unfinished Oils (net) .....	1,798	-114	1,684	-1,329	-127	-253	-1,709
Naphthas and Lighter .....	844	-82	762	419	-178	-38	203
Kerosene and Light Gas Oils .....	79	-	79	182	-124	124	182
Heavy Gas Oils .....	781	-33	748	-1,768	175	0	-1,593
Residuum .....	94	1	95	-162	-	-339	-501
Motor Gasoline Blend.Comp. (MGBC)(net) .....	68,113	6,106	74,219	9,401	2,561	648	12,610
Reformulated - RBOB .....	17,290	267	17,557	427	1,352	813	2,592
Conventional .....	50,823	5,839	56,662	8,974	1,209	-165	10,018
CBOB .....	39,216	5,825	45,041	9,565	990	-158	10,397
GTAB .....	4,641	-	4,641	-	-	-	-
Other .....	6,966	14	6,980	-591	219	-7	-379
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>108,990</b>	<b>9,058</b>	<b>118,048</b>	<b>89,902</b>	<b>19,722</b>	<b>30,456</b>	<b>140,080</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>21,280</b>	<b>138,089</b>	<b>103,688</b>	<b>6,981</b>	<b>3,735</b>	<b>273,773</b>	<b>20,312</b>	<b>74,438</b>	<b>517,074</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>506</b>	<b>3,420</b>	<b>3,592</b>	<b>35</b>	<b>177</b>	<b>7,730</b>	<b>472</b>	<b>2,164</b>	<b>12,944</b>
Natural Gas Liquids .....	506	3,420	3,592	35	177	7,730	472	2,164	12,944
Normal Butane .....	116	289	79	4	-	488	87	593	1,222
Isobutane .....	262	1,759	1,650	27	177	3,875	209	894	6,543
Natural Gasoline .....	128	1,372	1,863	4	-	3,367	176	677	5,179
<b>Other Liquids</b> .....	<b>9,119</b>	<b>-37,187</b>	<b>-26,355</b>	<b>7,719</b>	<b>-180</b>	<b>-46,884</b>	<b>4</b>	<b>13,949</b>	<b>74,068</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,199	2,968	1,933	1,138	226	8,464	1,211	6,812	36,682
Hydrogen .....	4	2,082	1,409	65	36	3,596	217	1,301	6,369
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	2,195	886	524	1,073	190	4,868	994	5,511	30,282
Fuel Ethanol .....	2,059	833	498	1,018	169	4,577	940	4,841	28,369
Renewable Diesel Fuel <sup>2</sup> .....	136	53	26	55	21	291	54	662	1,905
Other Renewable Fuels .....	-	-	-	-	-	-	-	8	8
Other Hydrocarbons .....	-	-	-	-	-	-	-	-	31
Unfinished Oils (net) .....	125	-954	11,794	-196	45	10,814	-183	3,903	14,509
Naphthas and Lighter .....	166	-5,523	288	-9	51	-5,027	-87	-408	-4,557
Kerosene and Light Gas Oils .....	35	-915	1,651	-123	-52	596	-204	480	1,133
Heavy Gas Oils .....	-55	3,654	7,767	-22	46	11,390	96	3,168	13,809
Residuum .....	-21	1,830	2,088	-42	-	3,855	12	663	4,124
Motor Gasoline Blend.Comp. (MGBC)(net) .....	6,795	-39,201	-40,091	6,777	-451	-66,171	-1,024	3,234	22,868
Reformulated - RBOB .....	5,730	-10,462	-7,331	-	-672	-12,735	-	2,811	10,225
Conventional .....	1,065	-28,739	-32,760	6,777	221	-53,436	-1,024	423	12,643
CBOB .....	1,072	-30,472	-31,253	6,813	215	-53,625	-904	750	1,659
GTAB .....	-	-	-	-	-	-	-	-	4,641
Other .....	-7	1,733	-1,507	-36	6	189	-120	-327	6,343
Aviation Gasoline Blend. Comp. (net) .....	0	-	9	-	-	9	-	-	9
<b>Total Input</b> .....	<b>30,905</b>	<b>104,322</b>	<b>80,925</b>	<b>14,735</b>	<b>3,732</b>	<b>234,619</b>	<b>20,788</b>	<b>90,551</b>	<b>604,086</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>24,354</b>	<b>3,156</b>	<b>27,510</b>	<b>82,069</b>	<b>16,406</b>	<b>28,110</b>	<b>126,585</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>327</b>	<b>-</b>	<b>327</b>	<b>1,452</b>	<b>49</b>	<b>871</b>	<b>2,372</b>
Natural Gas Liquids .....	327	-	327	1,452	49	871	2,372
Normal Butane .....	22	-	22	17	5	49	71
Isobutane .....	269	-	269	1,100	44	422	1,566
Natural Gasoline .....	36	-	36	335	-	400	735
<b>Other Liquids</b> .....	<b>86,158</b>	<b>6,944</b>	<b>93,102</b>	<b>12,209</b>	<b>4,851</b>	<b>3,363</b>	<b>20,423</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	10,230	885	11,115	6,178	1,761	1,991	9,930
Hydrogen .....	100	10	110	748	268	203	1,219
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	10,130	875	11,005	5,385	1,493	1,788	8,666
Fuel Ethanol .....	9,928	800	10,728	5,108	1,227	1,709	8,044
Renewable Diesel Fuel <sup>2</sup> .....	202	75	277	277	266	79	622
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	45	-	-	45
Unfinished Oils (net) .....	1,351	-23	1,328	-4	-255	204	-55
Naphthas and Lighter .....	385	21	406	179	-182	206	203
Kerosene and Light Gas Oils .....	383	-	383	-110	-71	45	-136
Heavy Gas Oils .....	433	-40	393	102	-2	7	107
Residuam .....	150	-4	146	-175	-	-54	-229
Motor Gasoline Blend.Comp. (MGBC)(net) .....	74,577	6,082	80,659	6,035	3,345	1,168	10,548
Reformulated - RBOB .....	17,925	121	18,046	-503	1,464	1,040	2,001
Conventional .....	56,652	5,961	62,613	6,538	1,881	128	8,547
CBOB .....	41,919	5,942	47,861	6,758	1,942	264	8,964
GTAB .....	6,984	-	6,984	-	-	-	-
Other .....	7,749	19	7,768	-220	-61	-136	-417
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>110,839</b>	<b>10,100</b>	<b>120,939</b>	<b>95,730</b>	<b>21,306</b>	<b>32,344</b>	<b>149,380</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>21,526</b>	<b>142,894</b>	<b>103,189</b>	<b>7,499</b>	<b>4,091</b>	<b>279,199</b>	<b>21,289</b>	<b>77,848</b>	<b>532,431</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>357</b>	<b>4,661</b>	<b>3,503</b>	<b>40</b>	<b>167</b>	<b>8,728</b>	<b>476</b>	<b>1,983</b>	<b>13,886</b>
Natural Gas Liquids .....	357	4,661	3,503	40	167	8,728	476	1,983	13,886
Normal Butane .....	83	724	105	3	-	915	107	542	1,657
Isobutane .....	198	1,957	1,384	33	167	3,739	209	883	6,666
Natural Gasoline .....	76	1,980	2,014	4	-	4,074	160	558	5,563
<b>Other Liquids</b> .....	<b>9,709</b>	<b>-39,487</b>	<b>-25,882</b>	<b>7,843</b>	<b>-283</b>	<b>-48,100</b>	<b>685</b>	<b>14,280</b>	<b>80,390</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,247	3,080	2,163	1,196	234	8,920	1,295	6,925	38,185
Hydrogen .....	5	2,178	1,603	64	41	3,891	202	1,292	6,714
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	2,242	902	560	1,132	193	5,029	1,093	5,633	31,426
Fuel Ethanol .....	2,122	849	516	1,064	176	4,727	1,024	4,957	29,480
Renewable Diesel Fuel <sup>2</sup> .....	120	53	44	68	17	302	69	671	1,941
Other Renewable Fuels .....	-	-	-	-	-	-	-	5	5
Other Hydrocarbons .....	-	-	-	-	-	-	-	-	45
Unfinished Oils (net) .....	86	137	13,244	-66	-210	13,191	175	3,724	18,363
Naphthas and Lighter .....	135	-4,456	796	27	-12	-3,510	178	75	-2,648
Kerosene and Light Gas Oils .....	-79	-1,449	966	23	-84	-623	-308	-192	-876
Heavy Gas Oils .....	49	4,472	9,727	5	-114	14,139	311	3,152	18,102
Residuum .....	-19	1,570	1,755	-121	-	3,185	-6	689	3,785
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,368	-42,704	-41,295	6,713	-307	-70,225	-785	3,631	23,828
Reformulated - RBOB .....	5,792	-11,533	-7,383	-	-633	-13,757	-	1,857	8,147
Conventional .....	1,576	-31,171	-33,912	6,713	326	-56,468	-785	1,774	15,681
CBOB .....	1,597	-32,272	-33,791	6,748	352	-57,366	-926	1,419	-48
GTAB .....	-	-	-	-	-	-	-	-	6,984
Other .....	-21	1,101	-121	-35	-26	898	141	355	8,745
Aviation Gasoline Blend. Comp. (net) .....	8	-	6	-	-	14	-	-	14
<b>Total Input</b> .....	<b>31,592</b>	<b>108,068</b>	<b>80,810</b>	<b>15,382</b>	<b>3,975</b>	<b>239,827</b>	<b>22,450</b>	<b>94,111</b>	<b>626,707</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>23,125</b>	<b>3,110</b>	<b>26,235</b>	<b>81,867</b>	<b>16,479</b>	<b>28,947</b>	<b>127,293</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>485</b>	<b>-</b>	<b>485</b>	<b>1,634</b>	<b>65</b>	<b>956</b>	<b>2,655</b>
Natural Gas Liquids .....	485	-	485	1,634	65	956	2,655
Normal Butane .....	222	-	222	18	6	27	51
Isobutane .....	263	-	263	1,178	59	419	1,656
Natural Gasoline .....	-	-	-	438	-	510	948
<b>Other Liquids</b> .....	<b>88,304</b>	<b>7,207</b>	<b>95,511</b>	<b>11,899</b>	<b>4,572</b>	<b>2,297</b>	<b>18,768</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	10,422	909	11,331	6,246	1,747	1,967	9,960
Hydrogen .....	98	11	109	766	266	203	1,235
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	10,324	898	11,222	5,431	1,481	1,764	8,676
Fuel Ethanol .....	10,127	827	10,954	5,159	1,226	1,685	8,070
Renewable Diesel Fuel <sup>2</sup> .....	197	71	268	272	255	79	606
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	49	-	-	49
Unfinished Oils (net) .....	1,320	-78	1,242	-64	-309	-33	-406
Naphthas and Lighter .....	594	-50	544	-15	-172	-77	-264
Kerosene and Light Gas Oils .....	171	-	171	17	-142	-69	-194
Heavy Gas Oils .....	544	-29	515	307	5	143	455
Residuum .....	11	1	12	-373	-	-30	-403
Motor Gasoline Blend.Comp. (MGBC)(net) .....	76,562	6,376	82,938	5,717	3,134	363	9,214
Reformulated - RBOB .....	14,893	-	14,893	-654	1,425	1,046	1,817
Conventional .....	61,669	6,376	68,045	6,371	1,709	-683	7,397
CBOB .....	44,038	6,371	50,409	6,796	2,024	-761	8,059
GTAB .....	6,904	-	6,904	-	-	-	-
Other .....	10,727	5	10,732	-425	-315	78	-662
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>111,914</b>	<b>10,317</b>	<b>122,231</b>	<b>95,400</b>	<b>21,116</b>	<b>32,200</b>	<b>148,716</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>21,872</b>	<b>143,259</b>	<b>106,104</b>	<b>6,930</b>	<b>4,017</b>	<b>282,182</b>	<b>21,445</b>	<b>79,047</b>	<b>536,202</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>283</b>	<b>5,226</b>	<b>3,804</b>	<b>43</b>	<b>171</b>	<b>9,527</b>	<b>510</b>	<b>1,726</b>	<b>14,903</b>
Natural Gas Liquids .....	283	5,226	3,804	43	171	9,527	510	1,726	14,903
Normal Butane .....	1	1,150	172	2	—	1,325	127	475	2,200
Isobutane .....	250	2,155	1,484	37	171	4,097	201	845	7,062
Natural Gasoline .....	32	1,921	2,148	4	—	4,105	182	406	5,641
<b>Other Liquids</b> .....	<b>9,522</b>	<b>-41,618</b>	<b>-24,841</b>	<b>7,776</b>	<b>-311</b>	<b>-49,472</b>	<b>98</b>	<b>15,074</b>	<b>79,979</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,275	3,073	2,149	1,205	241	8,943	1,260	7,138	38,632
Hydrogen .....	6	2,137	1,583	51	38	3,815	206	1,350	6,715
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,269	936	566	1,154	203	5,128	1,054	5,788	31,868
Fuel Ethanol .....	2,164	877	529	1,074	182	4,826	992	5,124	29,966
Renewable Diesel Fuel <sup>2</sup> .....	105	59	37	80	21	302	62	660	1,898
Other Renewable Fuels .....	—	—	—	—	—	—	—	4	4
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	49
Unfinished Oils (net) .....	-508	-2,001	12,403	-269	-26	9,599	59	2,557	13,051
Naphthas and Lighter .....	-120	-6,117	409	-121	25	-5,924	73	-525	-6,096
Kerosene and Light Gas Oils .....	-52	-987	1,278	-59	-19	161	-201	-621	-684
Heavy Gas Oils .....	-168	3,390	7,411	-61	-32	10,540	196	2,783	14,489
Residuum .....	-168	1,713	3,305	-28	—	4,822	-9	920	5,342
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,746	-42,690	-39,403	6,840	-526	-68,033	-1,221	5,379	28,277
Reformulated - RBOB .....	6,155	-9,109	-6,167	—	-878	-9,999	—	3,955	10,666
Conventional .....	1,591	-33,581	-33,236	6,840	352	-58,034	-1,221	1,424	17,611
CBOB .....	1,654	-35,490	-33,047	6,843	406	-59,634	-1,275	403	-2,038
GTAB .....	—	—	—	—	—	—	—	—	6,904
Other .....	-63	1,909	-189	-3	-54	1,600	54	1,021	12,745
Aviation Gasoline Blend. Comp. (net) .....	9	—	10	—	—	19	—	—	19
<b>Total Input</b> .....	<b>31,677</b>	<b>106,867</b>	<b>85,067</b>	<b>14,749</b>	<b>3,877</b>	<b>242,237</b>	<b>22,053</b>	<b>95,847</b>	<b>631,084</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."



**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>21,627</b>	<b>2,939</b>	<b>24,566</b>	<b>76,350</b>	<b>12,485</b>	<b>27,801</b>	<b>116,636</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,854</b>	<b>-</b>	<b>1,854</b>	<b>1,952</b>	<b>157</b>	<b>1,440</b>	<b>3,549</b>
Natural Gas Liquids .....	1,854	-	1,854	1,952	157	1,440	3,549
Normal Butane .....	1,487	-	1,487	289	94	417	800
Isobutane .....	299	-	299	1,163	50	427	1,640
Natural Gasoline .....	68	-	68	500	13	596	1,109
<b>Other Liquids</b> .....	<b>78,298</b>	<b>6,469</b>	<b>84,767</b>	<b>9,689</b>	<b>4,643</b>	<b>809</b>	<b>15,141</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	9,475	825	10,300	5,687	1,432	1,844	8,963
Hydrogen .....	91	11	102	618	128	204	950
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	9,384	814	10,198	5,035	1,304	1,640	7,979
Fuel Ethanol .....	9,204	750	9,954	4,770	1,080	1,565	7,415
Renewable Diesel Fuel <sup>2</sup> .....	180	64	244	265	224	75	564
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	34	-	-	34
Unfinished Oils (net) .....	2,041	31	2,072	338	-1,349	-258	-1,269
Naphthas and Lighter .....	555	61	616	501	-145	44	400
Kerosene and Light Gas Oils .....	498	3	501	-129	-6	-36	-171
Heavy Gas Oils .....	504	-36	468	-165	-1,198	72	-1,291
Residuam .....	484	3	487	131	-	-338	-207
Motor Gasoline Blend.Comp. (MGBC)(net) .....	66,782	5,613	72,395	3,664	4,560	-777	7,447
Reformulated - RBOB .....	16,472	-	16,472	-570	1,327	961	1,718
Conventional .....	50,310	5,613	55,923	4,234	3,233	-1,738	5,729
CBOB .....	41,795	5,593	47,388	4,878	2,672	-1,610	5,940
GTAB .....	4,028	-	4,028	-	-	-	-
Other .....	4,487	20	4,507	-644	561	-128	-211
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>101,779</b>	<b>9,408</b>	<b>111,187</b>	<b>87,991</b>	<b>17,285</b>	<b>30,050</b>	<b>135,326</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>21,746</b>	<b>125,980</b>	<b>103,208</b>	<b>6,619</b>	<b>3,485</b>	<b>261,038</b>	<b>19,164</b>	<b>70,689</b>	<b>492,093</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>493</b>	<b>5,598</b>	<b>4,084</b>	<b>90</b>	<b>161</b>	<b>10,426</b>	<b>553</b>	<b>1,638</b>	<b>18,020</b>
Natural Gas Liquids .....	493	5,598	4,084	90	161	10,426	553	1,638	18,020
Normal Butane .....	121	1,537	1,256	60	—	2,974	166	466	5,893
Isobutane .....	226	2,136	1,351	26	161	3,900	196	683	6,718
Natural Gasoline .....	146	1,925	1,477	4	—	3,552	191	489	5,409
<b>Other Liquids</b> .....	<b>8,837</b>	<b>-39,536</b>	<b>-27,419</b>	<b>7,356</b>	<b>-236</b>	<b>-50,998</b>	<b>-62</b>	<b>16,491</b>	<b>65,339</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,163	2,736	1,902	1,145	231	8,177	1,190	6,709	35,339
Hydrogen .....	7	1,855	1,387	66	48	3,363	208	1,339	5,962
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,156	881	515	1,079	183	4,814	982	5,370	29,343
Fuel Ethanol .....	2,054	825	472	999	158	4,508	925	4,800	27,602
Renewable Diesel Fuel <sup>2</sup> .....	102	56	43	80	25	306	57	561	1,732
Other Renewable Fuels .....	—	—	—	—	—	—	—	9	9
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	34
Unfinished Oils (net) .....	-606	-2,326	9,267	-164	-11	6,160	-28	4,412	11,347
Naphthas and Lighter .....	-325	-4,955	385	-47	6	-4,936	-258	7	-4,171
Kerosene and Light Gas Oils .....	104	-1,723	1,060	-16	-5	-580	-220	-437	-907
Heavy Gas Oils .....	-391	2,677	5,594	-33	-12	7,835	446	4,002	11,460
Residuum .....	6	1,675	2,228	-68	—	3,841	4	840	4,965
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,259	-39,946	-38,585	6,375	-456	-65,353	-1,224	5,370	18,635
Reformulated - RBOB .....	5,596	-8,887	-2,016	—	-828	-6,135	—	3,829	15,884
Conventional .....	1,663	-31,059	-36,569	6,375	372	-59,218	-1,224	1,541	2,751
CBOB .....	1,895	-30,965	-35,990	6,414	276	-58,370	-1,209	1,360	-4,891
GTAB .....	—	—	—	—	—	—	—	—	4,028
Other .....	-232	-94	-579	-39	96	-848	-15	181	3,614
Aviation Gasoline Blend. Comp. (net) .....	21	—	-3	—	—	18	—	—	18
<b>Total Input</b> .....	<b>31,076</b>	<b>92,042</b>	<b>79,873</b>	<b>14,065</b>	<b>3,410</b>	<b>220,466</b>	<b>19,655</b>	<b>88,818</b>	<b>575,452</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>19,466</b>	<b>3,178</b>	<b>22,644</b>	<b>73,629</b>	<b>13,863</b>	<b>25,766</b>	<b>113,258</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,287</b>	<b>-</b>	<b>2,287</b>	<b>2,687</b>	<b>278</b>	<b>1,285</b>	<b>4,250</b>
Natural Gas Liquids .....	2,287	-	2,287	2,687	278	1,285	4,250
Normal Butane .....	1,796	-	1,796	790	198	469	1,457
Isobutane .....	169	-	169	1,316	53	269	1,638
Natural Gasoline .....	322	-	322	581	27	547	1,155
<b>Other Liquids</b> .....	<b>83,762</b>	<b>6,562</b>	<b>90,324</b>	<b>13,023</b>	<b>4,494</b>	<b>2,630</b>	<b>20,147</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	10,065	867	10,932	6,010	1,486	1,888	9,384
Hydrogen .....	92	14	106	638	190	165	993
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	9,973	853	10,826	5,354	1,296	1,723	8,373
Fuel Ethanol .....	9,788	783	10,571	5,083	1,199	1,647	7,929
Renewable Diesel Fuel <sup>2</sup> .....	185	70	255	271	97	76	444
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	18	-	-	18
Unfinished Oils (net) .....	2,495	-119	2,376	-122	-718	-724	-1,564
Naphthas and Lighter .....	725	-74	651	191	-166	55	80
Kerosene and Light Gas Oils .....	220	-	220	-168	-223	26	-365
Heavy Gas Oils .....	1,225	-38	1,187	372	-329	-824	-781
Residuum .....	325	-7	318	-517	-	19	-498
Motor Gasoline Blend.Comp. (MGBC)(net) .....	71,202	5,814	77,016	7,135	3,726	1,466	12,327
Reformulated - RBOB .....	19,451	-	19,451	-151	1,422	1,019	2,290
Conventional .....	51,751	5,814	57,565	7,286	2,304	447	10,037
CBOB .....	43,346	5,796	49,142	7,629	2,282	364	10,275
GTAB .....	2,002	-	2,002	-	-	-	-
Other .....	6,403	18	6,421	-343	22	83	-238
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>105,515</b>	<b>9,740</b>	<b>115,255</b>	<b>89,339</b>	<b>18,635</b>	<b>29,681</b>	<b>137,655</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>21,363</b>	<b>125,930</b>	<b>100,945</b>	<b>7,354</b>	<b>2,918</b>	<b>258,510</b>	<b>16,870</b>	<b>74,825</b>	<b>486,107</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>783</b>	<b>7,478</b>	<b>4,233</b>	<b>85</b>	<b>143</b>	<b>12,722</b>	<b>590</b>	<b>2,217</b>	<b>22,066</b>
Natural Gas Liquids .....	783	7,478	4,233	85	143	12,722	590	2,217	22,066
Normal Butane .....	346	2,606	1,829	49	—	4,830	211	788	9,082
Isobutane .....	274	2,109	1,426	34	143	3,986	170	805	6,768
Natural Gasoline .....	163	2,763	978	2	—	3,906	209	624	6,216
<b>Other Liquids</b> .....	<b>8,907</b>	<b>-39,906</b>	<b>-24,716</b>	<b>7,323</b>	<b>66</b>	<b>-48,326</b>	<b>-69</b>	<b>10,979</b>	<b>73,055</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,272	2,782	2,076	1,200	253	8,583	1,165	6,730	36,794
Hydrogen .....	6	1,848	1,499	68	59	3,480	201	1,293	6,073
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,266	934	577	1,132	194	5,103	964	5,437	30,703
Fuel Ethanol .....	2,162	872	543	1,048	170	4,795	924	4,923	29,142
Renewable Diesel Fuel <sup>2</sup> .....	104	57	34	84	24	303	40	502	1,544
Other Renewable Fuels .....	—	5	—	—	—	5	—	12	17
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	18
Unfinished Oils (net) .....	-725	-3,608	10,069	-248	-133	5,355	-670	613	6,110
Naphthas and Lighter .....	-331	-7,377	829	-73	-197	-7,149	-81	-3	-6,502
Kerosene and Light Gas Oils .....	-74	-1,831	651	35	-68	-1,287	-410	-1,787	-3,629
Heavy Gas Oils .....	-96	4,089	5,026	-111	132	9,040	176	1,940	11,562
Residuam .....	-224	1,511	3,563	-99	—	4,751	-355	463	4,679
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,309	-39,080	-36,859	6,371	-54	-62,313	-564	3,636	30,102
Reformulated - RBOB .....	6,109	-9,834	-3,086	—	-500	-7,311	—	2,091	16,521
Conventional .....	1,200	-29,246	-33,773	6,371	446	-55,002	-564	1,545	13,581
CBOB .....	1,146	-31,383	-33,254	6,384	522	-56,585	-988	1,580	3,424
GTAB .....	—	—	—	—	—	—	—	—	2,002
Other .....	54	2,137	-519	-13	-76	1,583	424	-35	8,155
Aviation Gasoline Blend. Comp. (net) .....	51	—	-2	—	—	49	—	—	49
<b>Total Input</b> .....	<b>31,053</b>	<b>93,502</b>	<b>80,462</b>	<b>14,762</b>	<b>3,127</b>	<b>222,906</b>	<b>17,391</b>	<b>88,021</b>	<b>581,228</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>21,257</b>	<b>2,709</b>	<b>23,966</b>	<b>72,716</b>	<b>15,589</b>	<b>26,374</b>	<b>114,679</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,235</b>	<b>-</b>	<b>2,235</b>	<b>2,538</b>	<b>210</b>	<b>1,196</b>	<b>3,944</b>
Natural Gas Liquids .....	2,235	-	2,235	2,538	210	1,196	3,944
Normal Butane .....	1,725	-	1,725	988	138	492	1,618
Isobutane .....	277	-	277	1,127	55	324	1,506
Natural Gasoline .....	233	-	233	423	17	380	820
<b>Other Liquids</b> .....	<b>79,890</b>	<b>6,174</b>	<b>86,064</b>	<b>9,358</b>	<b>3,167</b>	<b>858</b>	<b>13,383</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	9,783	790	10,573	5,809	1,484	1,803	9,096
Hydrogen .....	99	13	112	714	288	185	1,187
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	9,684	777	10,461	5,054	1,196	1,618	7,868
Fuel Ethanol .....	9,415	722	10,137	4,837	1,138	1,556	7,531
Renewable Diesel Fuel <sup>2</sup> .....	269	55	324	217	58	62	337
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	41	-	-	41
Unfinished Oils (net) .....	2,855	-38	2,817	1,679	-44	-734	901
Naphthas and Lighter .....	704	-11	693	743	-191	167	719
Kerosene and Light Gas Oils .....	547	-	547	33	-199	-152	-318
Heavy Gas Oils .....	922	-29	893	555	346	-473	428
Residuum .....	682	2	684	348	-	-276	72
Motor Gasoline Blend.Comp. (MGBC)(net) .....	67,252	5,422	72,674	1,870	1,727	-211	3,386
Reformulated - RBOB .....	18,442	-	18,442	-1,582	1,233	973	624
Conventional .....	48,810	5,422	54,232	3,452	494	-1,184	2,762
CBOB .....	41,910	5,422	47,332	3,985	270	-1,122	3,133
GTAB .....	2,117	-	2,117	-	-	-	-
Other .....	4,783	0	4,783	-533	224	-62	-371
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>103,382</b>	<b>8,883</b>	<b>112,265</b>	<b>84,612</b>	<b>18,966</b>	<b>28,428</b>	<b>132,006</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>21,943</b>	<b>134,874</b>	<b>97,815</b>	<b>7,546</b>	<b>3,503</b>	<b>265,681</b>	<b>17,723</b>	<b>72,404</b>	<b>494,453</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>928</b>	<b>7,239</b>	<b>4,174</b>	<b>88</b>	<b>152</b>	<b>12,581</b>	<b>729</b>	<b>2,820</b>	<b>22,309</b>
Natural Gas Liquids .....	928	7,239	4,174	88	152	12,581	729	2,820	22,309
Normal Butane .....	537	2,776	1,982	45	—	5,340	366	1,341	10,390
Isobutane .....	229	2,196	1,382	39	152	3,998	165	752	6,698
Natural Gasoline .....	162	2,267	810	4	—	3,243	198	727	5,221
<b>Other Liquids</b> .....	<b>7,729</b>	<b>-41,693</b>	<b>-19,994</b>	<b>6,690</b>	<b>-496</b>	<b>-47,764</b>	<b>-268</b>	<b>7,735</b>	<b>59,150</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,147	3,136	2,136	1,126	227	8,772	1,093	6,341	35,875
Hydrogen .....	8	2,276	1,612	62	51	4,009	236	1,338	6,882
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,139	860	524	1,064	176	4,763	857	5,003	28,952
Fuel Ethanol .....	2,053	814	478	987	154	4,486	828	4,605	27,587
Renewable Diesel Fuel <sup>2</sup> .....	86	46	46	77	22	277	29	396	1,363
Other Renewable Fuels .....	—	—	—	—	—	—	—	2	2
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	41
Unfinished Oils (net) .....	-11	-2,625	13,630	-222	-16	10,756	126	321	14,921
Naphthas and Lighter .....	15	-6,744	503	-40	38	-6,228	-54	-636	-5,506
Kerosene and Light Gas Oils .....	81	-1,765	2,135	-64	-47	340	-165	95	499
Heavy Gas Oils .....	-173	4,333	6,960	-39	-7	11,074	117	115	12,627
Residuum .....	66	1,551	4,032	-79	—	5,570	228	747	7,301
Motor Gasoline Blend.Comp. (MGBC)(net) .....	5,546	-42,204	-35,774	5,786	-707	-67,353	-1,487	1,073	8,293
Reformulated - RBOB .....	5,353	-9,360	-1,980	—	-777	-6,764	—	112	12,414
Conventional .....	193	-32,844	-33,794	5,786	70	-60,589	-1,487	961	-4,121
CBOB .....	714	-31,608	-33,985	5,850	20	-59,009	-1,508	354	-9,698
GTAB .....	—	—	—	—	—	—	—	—	2,117
Other .....	-521	-1,236	191	-64	50	-1,580	21	607	3,460
Aviation Gasoline Blend. Comp. (net) .....	47	—	14	—	—	61	—	—	61
<b>Total Input</b> .....	<b>30,600</b>	<b>100,420</b>	<b>81,995</b>	<b>14,324</b>	<b>3,159</b>	<b>230,498</b>	<b>18,184</b>	<b>82,959</b>	<b>575,912</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2019**  
(Thousand Barrels)

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
<b>Crude Oil</b> .....	<b>21,818</b>	<b>3,101</b>	<b>24,919</b>	<b>78,480</b>	<b>16,136</b>	<b>27,114</b>	<b>121,730</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,972</b>	<b>-</b>	<b>1,972</b>	<b>2,317</b>	<b>166</b>	<b>1,235</b>	<b>3,718</b>
Natural Gas Liquids .....	1,972	-	1,972	2,317	166	1,235	3,718
Normal Butane .....	1,355	-	1,355	972	83	519	1,574
Isobutane .....	272	-	272	1,098	68	441	1,607
Natural Gasoline .....	345	-	345	247	15	275	537
<b>Other Liquids</b> .....	<b>79,735</b>	<b>6,187</b>	<b>85,922</b>	<b>6,126</b>	<b>2,614</b>	<b>1,173</b>	<b>9,913</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	9,915	814	10,729	5,860	1,432	1,837	9,129
Hydrogen .....	102	13	115	799	281	216	1,296
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE) .....	--	--	--	--	--	--	--
All Other Oxygenates <sup>1</sup> .....	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	9,813	801	10,614	5,041	1,151	1,621	7,813
Fuel Ethanol .....	9,465	733	10,198	4,842	1,115	1,561	7,518
Renewable Diesel Fuel <sup>2</sup> .....	348	68	416	199	36	60	295
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	20	-	-	20
Unfinished Oils (net) .....	3,298	-81	3,217	-422	-131	532	-21
Naphthas and Lighter .....	706	-32	674	3	-213	69	-141
Kerosene and Light Gas Oils .....	833	-	833	-134	-67	106	-95
Heavy Gas Oils .....	1,167	-49	1,118	-127	149	189	211
Residuum .....	592	0	592	-164	-	168	4
Motor Gasoline Blend.Comp. (MGBC)(net) .....	66,522	5,454	71,976	688	1,313	-1,196	805
Reformulated - RBOB .....	18,009	-	18,009	-1,348	1,207	1,007	866
Conventional .....	48,513	5,454	53,967	2,036	106	-2,203	-61
CBOB .....	43,761	5,452	49,213	3,196	327	-2,365	1,158
GTAB .....	1,270	-	1,270	-	-	-	-
Other .....	3,482	2	3,484	-1,160	-221	162	-1,219
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>103,525</b>	<b>9,288</b>	<b>112,813</b>	<b>86,923</b>	<b>18,916</b>	<b>29,522</b>	<b>135,361</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2019**  
(Thousand Barrels) — 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			
<b>Crude Oil</b> .....	<b>22,944</b>	<b>142,130</b>	<b>103,010</b>	<b>7,410</b>	<b>3,534</b>	<b>279,028</b>	<b>20,029</b>	<b>74,863</b>	<b>520,569</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>943</b>	<b>6,758</b>	<b>4,773</b>	<b>79</b>	<b>161</b>	<b>12,714</b>	<b>754</b>	<b>3,027</b>	<b>22,185</b>
Natural Gas Liquids .....	943	6,758	4,773	79	161	12,714	754	3,027	22,185
Normal Butane .....	581	2,834	2,028	43	—	5,486	434	1,643	10,492
Isobutane .....	240	2,014	1,467	31	161	3,913	166	616	6,574
Natural Gasoline .....	122	1,910	1,278	5	—	3,315	154	768	5,119
<b>Other Liquids</b> .....	<b>7,471</b>	<b>-41,842</b>	<b>-22,409</b>	<b>6,933</b>	<b>-554</b>	<b>-50,401</b>	<b>-1,060</b>	<b>9,424</b>	<b>53,798</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,164	3,175	2,320	1,136	226	9,021	1,135	6,741	36,755
Hydrogen .....	6	2,317	1,792	67	45	4,227	237	1,303	7,178
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,158	858	528	1,069	181	4,794	898	5,438	29,557
Fuel Ethanol .....	2,079	819	494	1,001	157	4,550	867	4,694	27,827
Renewable Diesel Fuel <sup>2</sup> .....	79	39	34	68	24	244	31	737	1,723
Other Renewable Fuels .....	—	—	—	—	—	—	—	7	7
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	20
Unfinished Oils (net) .....	-118	480	14,124	-232	-146	14,108	22	1,228	18,554
Naphthas and Lighter .....	149	-5,193	607	-68	-15	-4,520	-9	-347	-4,343
Kerosene and Light Gas Oils .....	-68	-1,102	2,152	41	-101	922	-98	-578	984
Heavy Gas Oils .....	-234	2,363	7,620	-131	-30	9,588	-3	568	11,482
Residuum .....	35	4,412	3,745	-74	—	8,118	132	1,585	10,431
Motor Gasoline Blend.Comp. (MGBC)(net) .....	5,398	-45,497	-38,856	6,029	-634	-73,560	-2,217	1,455	-1,541
Reformulated - RBOB .....	5,509	-9,498	-2,417	—	-696	-7,102	—	1,155	12,928
Conventional .....	-111	-35,999	-36,439	6,029	62	-66,458	-2,217	300	-14,469
CBOB .....	43	-32,342	-34,864	6,045	80	-61,038	-2,044	998	-11,713
GTAB .....	—	—	—	—	—	—	—	—	1,270
Other .....	-154	-3,657	-1,575	-16	-18	-5,420	-173	-698	-4,026
Aviation Gasoline Blend. Comp. (net) .....	27	—	3	—	—	30	—	—	30
<b>Total Input</b> .....	<b>31,358</b>	<b>107,046</b>	<b>85,374</b>	<b>14,422</b>	<b>3,141</b>	<b>241,341</b>	<b>19,723</b>	<b>87,314</b>	<b>596,552</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."