

**Table 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	701	-53	648	1,264	-187	-190	887
Natural Gas Liquids .....	235	-53	182	237	-349	-441	-553
Ethane .....	-	-	-	-	-	-	-
Propane .....	592	25	617	1,629	270	463	2,362
Normal Butane .....	-356	-63	-419	-1,366	-573	-879	-2,818
Isobutane .....	-1	-15	-16	-26	-46	-25	-97
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	466	-	466	1,027	162	251	1,440
Ethylene .....	8	-	8	-	-	-	-
Propylene .....	479	-	479	1,028	162	225	1,415
Butylene .....	-45	-	-45	-1	-	11	10
Isobutylene .....	24	-	24	-	-	15	15
Finished Motor Gasoline .....	88,934	6,838	95,772	48,834	9,958	15,856	74,648
Reformulated .....	38,308	114	38,422	7,849	1,515	1,161	10,525
Reformulated Blended with Fuel Ethanol .....	38,308	114	38,422	7,849	1,515	1,161	10,525
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	50,626	6,724	57,350	40,985	8,443	14,695	64,123
Conventional Blended with Fuel Ethanol .....	53,082	6,669	59,751	37,568	8,887	13,022	59,477
Ed55 and Lower .....	53,030	6,669	59,699	37,562	8,854	12,970	59,386
Greater than Ed55 .....	52	-	52	6	33	52	91
Conventional Other .....	-2,456	55	-2,401	3,417	-444	1,673	4,646
Finished Aviation Gasoline .....	-	-	-	-	31	-	31
Kerosene-Type Jet Fuel .....	3,168	-	3,168	6,361	724	937	8,022
Kerosene .....	118	3	121	307	-	8	315
Distillate Fuel Oil .....	9,850	856	10,706	20,809	5,392	11,076	37,277
15 ppm sulfur and under .....	8,314	727	9,041	20,624	5,374	10,988	36,986
Greater than 15 ppm to 500 ppm sulfur .....	390	84	474	-	-	139	139
Greater than 500 ppm sulfur .....	1,146	45	1,191	185	18	-51	152
Residual Fuel Oil .....	1,272	3	1,275	1,286	102	94	1,482
Less than 0.31 percent sulfur .....	356	3	359	66	-	-	66
0.31 to 1.00 percent sulfur .....	292	-	292	133	70	-	203
Greater than 1.00 percent sulfur .....	624	-	624	1,087	32	94	1,213
Petrochemical Feedstocks .....	62	-	62	934	-	39	973
Naphtha for Petro. Feed. Use .....	62	-	62	643	-	-	643
Other Oils for Petro. Feed. Use .....	-	-	-	291	-	39	330
Special Naphthas .....	-	18	18	43	-	22	65
Lubricants .....	184	203	387	-	-	55	55
Waxes .....	-	12	12	-	-	11	11
Petroleum Coke .....	1,064	22	1,086	3,988	824	958	5,770
Marketable .....	436	-	436	2,887	651	731	4,269
Catalyst .....	628	22	650	1,101	173	227	1,501
Asphalt and Road Oil .....	184	666	850	2,512	1,379	202	4,093
Still Gas .....	1,313	56	1,369	2,692	659	1,070	4,421
Miscellaneous Products .....	70	25	95	320	111	58	489
<b>Total .....</b>	<b>106,920</b>	<b>8,649</b>	<b>115,569</b>	<b>89,350</b>	<b>18,993</b>	<b>30,196</b>	<b>138,539</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,600	46	-1,554	-4,790	-1,257	-1,268	-7,315

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	576	4,241	4,819	-15	-4	9,617	60	186	11,398
Natural Gas Liquids .....	289	877	1,862	-47	-4	2,977	14	-56	2,564
Ethane .....	2	24	23	-	-	49	-	-	49
Propane .....	288	2,353	2,268	13	48	4,970	241	1,021	9,211
Normal Butane .....	-75	-992	-561	-60	-47	-1,735	-249	-1,146	-6,367
Isobutane .....	74	-508	132	-	-5	-307	22	69	-329
Natural Gasoline .....	-	-	-	-	-	-	-	-	-
Refinery Olefins .....	287	3,364	2,957	32	-	6,640	46	242	8,834
Ethylene .....	-	-	-	-	-	-	-	-	8
Propylene .....	287	3,516	3,062	32	-	6,897	-9	265	9,047
Butylene .....	0	-119	-105	-	-	-224	58	-23	-224
Isobutylene .....	-	-33	-	-	-	-33	-3	-	3
Finished Motor Gasoline .....	19,372	28,553	17,040	8,766	1,930	75,661	9,349	46,727	302,157
Reformulated .....	7,313	6,313	-	-	-	13,626	-	32,781	95,354
Reformulated Blended with Fuel Ethanol .....	7,313	6,313	-	-	-	13,626	-	32,781	95,354
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	12,059	22,240	17,040	8,766	1,930	62,035	9,349	13,946	206,803
Conventional Blended with Fuel Ethanol .....	11,978	1,574	4,678	9,405	1,674	29,309	8,808	13,271	170,616
Ed55 and Lower .....	11,957	1,574	4,678	9,392	1,674	29,275	8,798	13,269	170,427
Greater than Ed55 .....	21	-	-	13	-	34	10	2	189
Conventional Other .....	81	20,666	12,362	-639	256	32,726	541	675	36,187
Finished Aviation Gasoline .....	45	102	108	-	-	255	3	-	289
Kerosene-Type Jet Fuel .....	1,414	14,558	12,458	97	1	28,528	943	14,241	54,902
Kerosene .....	-26	-1	75	48	-	96	-	-8	524
Distillate Fuel Oil .....	5,975	42,327	37,125	2,551	1,618	89,596	6,610	18,546	162,735
15 ppm sulfur and under .....	5,999	39,926	30,173	2,402	1,618	80,118	6,606	17,798	150,549
Greater than 15 ppm to 500 ppm sulfur .....	-24	229	3,392	100	-	3,697	37	323	4,670
Greater than 500 ppm sulfur .....	-	2,172	3,560	49	-	5,781	-33	425	7,516
Residual Fuel Oil .....	381	1,285	3,595	-9	80	5,332	394	3,849	12,332
Less than 0.31 percent sulfur .....	263	116	1,008	-	-	1,387	198	4	2,014
0.31 to 1.00 percent sulfur .....	-	69	505	-9	-	565	36	282	1,378
Greater than 1.00 percent sulfur .....	118	1,100	2,082	-	80	3,380	160	3,563	8,940
Petrochemical Feedstocks .....	126	5,157	3,108	-	-	8,391	-	3	9,429
Naphtha for Petro. Feed. Use .....	113	3,369	1,721	-	-	5,203	-	3	5,911
Other Oils for Petro. Feed. Use .....	13	1,788	1,387	-	-	3,188	-	-	3,518
Special Naphthas .....	88	636	-	185	-	909	-	30	1,022
Lubricants .....	24	1,480	1,616	865	-	3,985	-	526	4,953
Waxes .....	-	44	42	18	-	104	-	-	127
Petroleum Coke .....	327	8,523	5,733	162	34	14,779	738	4,605	26,978
Marketable .....	147	6,583	4,409	150	-	11,289	527	3,561	20,082
Catalyst .....	180	1,940	1,324	12	34	3,490	211	1,044	6,896
Asphalt and Road Oil .....	324	307	647	870	72	2,220	1,287	657	9,107
Still Gas .....	519	5,532	4,218	200	102	10,571	662	3,549	20,572
Miscellaneous Products .....	116	1,033	590	19	44	1,802	82	431	2,899
<b>Total .....</b>	<b>29,261</b>	<b>113,777</b>	<b>91,174</b>	<b>13,757</b>	<b>3,877</b>	<b>251,846</b>	<b>20,128</b>	<b>93,342</b>	<b>619,424</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-672	-10,293	-7,324	32	-226	-18,483	-873	-6,145	-34,370

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	468	-30	438	1,017	-5	87	1,099
Natural Gas Liquids .....	175	-30	145	319	-149	-102	68
Ethane .....	-	-	-	-	-	-	-
Propane .....	329	25	354	1,263	249	383	1,895
Normal Butane .....	-177	-45	-222	-937	-392	-448	-1,777
Isobutane .....	23	-10	13	-7	-6	-37	-50
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	293	-	293	698	144	189	1,031
Ethylene .....	10	-	10	-	-	-	-
Propylene .....	239	-	239	698	144	141	983
Butylene .....	27	-	27	0	-	33	33
Isobutylene .....	17	-	17	-	-	15	15
Finished Motor Gasoline .....	81,122	6,392	87,514	45,560	9,222	14,079	68,861
Reformulated .....	34,902	90	34,992	7,499	1,418	969	9,886
Reformulated Blended with Fuel Ethanol .....	34,902	90	34,992	7,499	1,418	969	9,886
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	46,220	6,302	52,522	38,061	7,804	13,110	58,975
Conventional Blended with Fuel Ethanol .....	49,167	6,241	55,408	34,753	8,126	12,047	54,926
Ed55 and Lower .....	49,107	6,241	55,348	34,747	8,103	11,992	54,842
Greater than Ed55 .....	60	-	60	6	23	55	84
Conventional Other .....	-2,947	61	-2,886	3,308	-322	1,063	4,049
Finished Aviation Gasoline .....	-	-	-	-	55	-	55
Kerosene-Type Jet Fuel .....	2,370	-	2,370	5,290	829	715	6,834
Kerosene .....	-63	-	-63	88	-	32	120
Distillate Fuel Oil .....	5,591	757	6,348	17,137	4,452	8,569	30,158
15 ppm sulfur and under .....	5,017	644	5,661	17,265	4,457	8,696	30,418
Greater than 15 ppm to 500 ppm sulfur .....	369	83	452	-	-	50	50
Greater than 500 ppm sulfur .....	205	30	235	-128	-5	-177	-310
Residual Fuel Oil .....	933	2	935	931	161	99	1,191
Less than 0.31 percent sulfur .....	235	1	236	54	-	-	54
0.31 to 1.00 percent sulfur .....	345	1	346	155	84	-	239
Greater than 1.00 percent sulfur .....	353	-	353	722	77	99	898
Petrochemical Feedstocks .....	14	-	14	840	-	36	876
Naphtha for Petro. Feed. Use .....	14	-	14	515	-	-	515
Other Oils for Petro. Feed. Use .....	-	-	-	325	-	36	361
Special Naphthas .....	-	16	16	-90	-	13	-77
Lubricants .....	189	119	308	-	-	206	206
Waxes .....	-	0	0	-	-	33	33
Petroleum Coke .....	609	19	628	3,271	740	757	4,768
Marketable .....	256	-	256	2,301	577	568	3,446
Catalyst .....	353	19	372	970	163	189	1,322
Asphalt and Road Oil .....	239	583	822	1,921	848	121	2,890
Still Gas .....	1,051	56	1,107	2,282	601	879	3,762
Miscellaneous Products .....	46	18	64	260	103	50	413
<b>Total .....</b>	<b>92,569</b>	<b>7,932</b>	<b>100,501</b>	<b>78,507</b>	<b>17,006</b>	<b>25,676</b>	<b>121,189</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-856	10	-846	-3,685	-1,158	-1,102	-5,945

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	660	4,430	4,208	13	49	9,360	121	987	12,005
Natural Gas Liquids .....	244	1,284	1,444	4	49	3,025	61	685	3,984
Ethane .....	1	169	13	—	—	183	—	—	183
Propane .....	301	2,017	1,612	8	40	3,978	186	777	7,190
Normal Butane .....	-98	-550	-269	-4	8	-913	-149	-226	-3,287
Isobutane .....	40	-352	88	—	1	-223	24	134	-102
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	416	3,146	2,764	9	—	6,335	60	302	8,021
Ethylene .....	—	—	—	—	—	—	—	—	10
Propylene .....	414	3,184	3,031	9	—	6,638	6	214	8,080
Butylene .....	2	4	-267	—	—	-261	72	88	-41
Isobutylene .....	—	-42	—	—	—	-42	-18	—	-28
Finished Motor Gasoline .....	17,935	23,685	14,489	8,209	1,629	65,947	8,367	42,148	272,837
Reformulated .....	7,036	5,986	—	—	—	13,022	—	30,476	88,376
Reformulated Blended with Fuel Ethanol .....	7,036	5,986	—	—	—	13,022	—	30,476	88,376
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	10,899	17,699	14,489	8,209	1,629	52,925	8,367	11,672	184,461
Conventional Blended with Fuel Ethanol .....	10,867	1,492	4,416	8,761	1,412	26,948	8,003	11,623	156,908
Ed55 and Lower .....	10,850	1,492	4,416	8,748	1,412	26,918	7,993	11,620	156,721
Greater than Ed55 .....	17	—	—	13	—	30	10	3	187
Conventional Other .....	32	16,207	10,073	-552	217	25,977	364	49	27,553
Finished Aviation Gasoline .....	68	62	153	—	—	283	—	—	338
Kerosene-Type Jet Fuel .....	1,369	12,991	10,971	142	0	25,473	868	11,758	47,303
Kerosene .....	6	153	7	19	—	185	—	18	260
Distillate Fuel Oil .....	5,929	36,507	32,500	2,213	1,471	78,620	5,752	16,453	137,331
15 ppm sulfur and under .....	5,932	33,800	26,677	2,021	1,471	69,901	5,708	15,608	127,296
Greater than 15 ppm to 500 ppm sulfur .....	-3	286	2,890	137	—	3,310	23	273	4,108
Greater than 500 ppm sulfur .....	—	2,421	2,933	55	—	5,409	21	572	5,927
Residual Fuel Oil .....	300	734	2,398	-31	59	3,460	354	2,711	8,651
Less than 0.31 percent sulfur .....	224	95	877	—	—	1,196	188	14	1,688
0.31 to 1.00 percent sulfur .....	—	-7	329	-31	—	291	28	224	1,128
Greater than 1.00 percent sulfur .....	76	646	1,192	—	59	1,973	138	2,473	5,835
Petrochemical Feedstocks .....	143	4,475	2,562	—	—	7,180	—	4	8,074
Naphtha for Petro. Feed. Use .....	131	3,202	1,655	—	—	4,988	—	4	5,521
Other Oils for Petro. Feed. Use .....	12	1,273	907	—	—	2,192	—	—	2,553
Special Naphthas .....	62	477	—	218	—	757	—	38	734
Lubricants .....	29	1,106	1,560	828	—	3,523	—	352	4,389
Waxes .....	—	46	27	19	—	92	—	—	125
Petroleum Coke .....	353	6,920	5,033	143	32	12,481	717	3,981	22,575
Marketable .....	132	5,147	3,820	133	—	9,232	517	3,065	16,516
Catalyst .....	221	1,773	1,213	10	32	3,249	200	916	6,059
Asphalt and Road Oil .....	158	410	782	778	61	2,189	987	522	7,410
Still Gas .....	585	4,890	3,792	193	95	9,555	600	3,176	18,200
Miscellaneous Products .....	96	772	529	15	42	1,454	75	377	2,383
<b>Total .....</b>	<b>27,693</b>	<b>97,658</b>	<b>79,011</b>	<b>12,759</b>	<b>3,438</b>	<b>220,559</b>	<b>17,841</b>	<b>82,525</b>	<b>542,615</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-883	-8,442	-6,639	51	-107	-16,020	-681	-4,706	-28,198

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	583	23	606	2,520	230	340	3,090
Natural Gas Liquids .....	363	23	386	1,561	110	129	1,800
Ethane .....	-	-	-	-	-	-	-
Propane .....	470	29	499	1,576	279	392	2,247
Normal Butane .....	-132	4	-128	49	-119	-203	-273
Isobutane .....	25	-10	15	-64	-50	-60	-174
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	220	-	220	959	120	211	1,290
Ethylene .....	7	-	7	-	-	-	-
Propylene .....	225	-	225	936	120	198	1,254
Butylene .....	-36	-	-36	23	-	-2	21
Isobutylene .....	24	-	24	-	-	15	15
Finished Motor Gasoline .....	94,491	7,395	101,886	52,248	10,287	16,227	78,762
Reformulated .....	39,824	80	39,904	8,427	1,567	1,205	11,199
Reformulated Blended with Fuel Ethanol .....	39,824	80	39,904	8,427	1,567	1,205	11,199
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	54,667	7,315	61,982	43,821	8,720	15,022	67,563
Conventional Blended with Fuel Ethanol .....	57,259	7,254	64,513	40,292	8,928	14,112	63,332
Ed55 and Lower .....	57,212	7,254	64,466	40,282	8,897	14,045	63,224
Greater than Ed55 .....	47	-	47	10	31	67	108
Conventional Other .....	-2,592	61	-2,531	3,529	-208	910	4,231
Finished Aviation Gasoline .....	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel .....	2,454	-2	2,452	5,980	962	810	7,752
Kerosene .....	-21	-	-21	105	-	-	105
Distillate Fuel Oil .....	7,684	879	8,563	19,840	5,147	7,607	32,594
15 ppm sulfur and under .....	6,826	780	7,606	19,823	5,119	7,467	32,409
Greater than 15 ppm to 500 ppm sulfur .....	193	65	258	-	-	230	230
Greater than 500 ppm sulfur .....	665	34	699	17	28	-90	-45
Residual Fuel Oil .....	1,511	5	1,516	1,054	175	70	1,299
Less than 0.31 percent sulfur .....	572	4	576	68	-	-	68
0.31 to 1.00 percent sulfur .....	569	1	570	138	86	-	224
Greater than 1.00 percent sulfur .....	370	-	370	848	89	70	1,007
Petrochemical Feedstocks .....	77	-	77	911	-	35	946
Naphtha for Petro. Feed. Use .....	77	-	77	631	-	-	631
Other Oils for Petro. Feed. Use .....	-	-	-	280	-	35	315
Special Naphthas .....	-	19	19	-52	-	13	-39
Lubricants .....	224	216	440	-	-	208	208
Waxes .....	-	16	16	-	-	36	36
Petroleum Coke .....	573	20	593	3,892	874	627	5,393
Marketable .....	114	-	114	2,742	699	465	3,906
Catalyst .....	459	20	479	1,150	175	162	1,487
Asphalt and Road Oil .....	524	638	1,162	2,669	1,173	177	4,019
Still Gas .....	1,361	62	1,423	2,659	651	821	4,131
Miscellaneous Products .....	38	21	59	327	123	33	483
<b>Total .....</b>	<b>109,499</b>	<b>9,292</b>	<b>118,791</b>	<b>92,153</b>	<b>19,652</b>	<b>27,004</b>	<b>138,809</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,243	3	-1,240	-4,691	-1,301	-941	-6,933

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	721	6,754	5,803	20	47	13,345	324	2,123	19,488
Natural Gas Liquids .....	400	3,442	3,217	13	47	7,119	294	1,930	11,529
Ethane .....	1	161	20	—	—	182	—	—	182
Propane .....	301	2,365	2,134	11	49	4,860	237	1,073	8,916
Normal Butane .....	80	1,496	845	2	-6	2,417	62	678	2,756
Isobutane .....	18	-580	218	—	4	-340	-5	179	-325
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	321	3,312	2,586	7	—	6,226	30	193	7,959
Ethylene .....	—	—	—	—	—	—	—	—	7
Propylene .....	319	3,424	2,658	7	—	6,408	6	213	8,106
Butylene .....	2	-84	-72	—	—	-154	24	-20	-165
Isobutylene .....	—	-28	—	—	—	-28	—	—	11
Finished Motor Gasoline .....	20,075	27,784	13,933	9,422	1,753	72,967	9,048	49,204	311,867
Reformulated .....	7,806	6,754	—	—	—	14,560	—	34,300	99,963
Reformulated Blended with Fuel Ethanol .....	7,806	6,754	—	—	—	14,560	—	34,300	99,963
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	12,269	21,030	13,933	9,422	1,753	58,407	9,048	14,904	211,904
Conventional Blended with Fuel Ethanol .....	12,227	1,738	5,175	10,109	1,584	30,833	8,703	13,866	181,247
Ed55 and Lower .....	12,207	1,738	5,175	10,095	1,584	30,799	8,692	13,862	181,043
Greater than Ed55 .....	20	—	—	14	—	34	11	4	204
Conventional Other .....	42	19,292	8,758	-687	169	27,574	345	1,038	30,657
Finished Aviation Gasoline .....	93	144	77	—	—	314	9	-1	352
Kerosene-Type Jet Fuel .....	1,373	14,159	12,410	144	1	28,087	1,131	14,145	53,567
Kerosene .....	14	30	-71	17	—	-10	—	17	91
Distillate Fuel Oil .....	6,594	40,995	36,972	1,427	1,698	87,686	6,357	18,821	154,021
15 ppm sulfur and under .....	6,588	38,034	30,558	1,326	1,698	78,204	6,282	18,054	142,555
Greater than 15 ppm to 500 ppm sulfur .....	6	325	2,805	102	—	3,238	68	311	4,105
Greater than 500 ppm sulfur .....	—	2,636	3,609	-1	—	6,244	7	456	7,361
Residual Fuel Oil .....	244	1,416	2,879	-56	75	4,558	392	3,313	11,078
Less than 0.31 percent sulfur .....	197	-125	838	—	—	910	191	5	1,750
0.31 to 1.00 percent sulfur .....	—	148	297	-56	—	389	31	190	1,404
Greater than 1.00 percent sulfur .....	47	1,393	1,744	—	75	3,259	170	3,118	7,924
Petrochemical Feedstocks .....	136	5,078	2,544	—	—	7,758	—	4	8,785
Naphtha for Petro. Feed. Use .....	123	3,506	1,759	—	—	5,388	—	4	6,100
Other Oils for Petro. Feed. Use .....	13	1,572	785	—	—	2,370	—	—	2,685
Special Naphthas .....	36	624	—	256	—	916	—	-1	895
Lubricants .....	31	998	1,518	786	—	3,333	—	400	4,381
Waxes .....	—	29	39	29	—	97	—	—	149
Petroleum Coke .....	351	8,044	5,339	66	36	13,836	794	4,792	25,408
Marketable .....	154	6,061	4,091	60	—	10,366	569	3,842	18,797
Catalyst .....	197	1,983	1,248	6	36	3,470	225	950	6,611
Asphalt and Road Oil .....	218	513	976	797	78	2,582	862	716	9,341
Still Gas .....	580	5,194	4,143	188	103	10,208	652	3,575	19,989
Miscellaneous Products .....	103	866	538	5	45	1,557	81	433	2,613
<b>Total .....</b>	<b>30,569</b>	<b>112,628</b>	<b>87,100</b>	<b>13,101</b>	<b>3,836</b>	<b>247,234</b>	<b>19,650</b>	<b>97,541</b>	<b>622,025</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-784	-9,473	-7,242	269	-101	-17,331	-755	-5,930	-32,189

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	1,336	64	1,400	4,386	538	703	5,627
Natural Gas Liquids .....	997	64	1,061	3,334	401	451	4,186
Ethane .....	-	-	-	-	-	-	-
Propane .....	589	26	615	1,626	289	426	2,341
Normal Butane .....	411	50	461	1,609	124	76	1,809
Isobutane .....	-3	-12	-15	99	-12	-51	36
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	339	-	339	1,052	137	252	1,441
Ethylene .....	2	-	2	-	-	-	-
Propylene .....	349	-	349	928	137	252	1,317
Butylene .....	-41	-	-41	124	-	-	124
Isobutylene .....	29	-	29	-	-	-	-
Finished Motor Gasoline .....	92,067	7,307	99,374	51,321	10,121	16,551	77,993
Reformulated .....	38,710	88	38,798	8,277	1,501	1,057	10,835
Reformulated Blended with Fuel Ethanol .....	38,710	88	38,798	8,277	1,501	1,057	10,835
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	53,357	7,219	60,576	43,044	8,620	15,494	67,158
Conventional Blended with Fuel Ethanol .....	55,523	7,190	62,713	39,680	8,928	14,542	63,150
Ed55 and Lower .....	55,481	7,190	62,671	39,671	8,899	14,468	63,038
Greater than Ed55 .....	42	-	42	9	29	74	112
Conventional Other .....	-2,166	29	-2,137	3,364	-308	952	4,008
Finished Aviation Gasoline .....	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel .....	2,625	-	2,625	6,695	886	956	8,537
Kerosene .....	68	-	68	38	-	7	45
Distillate Fuel Oil .....	8,504	830	9,334	19,295	5,187	9,107	33,589
15 ppm sulfur and under .....	8,204	734	8,938	19,482	5,123	9,095	33,700
Greater than 15 ppm to 500 ppm sulfur .....	193	81	274	-9	-	97	88
Greater than 500 ppm sulfur .....	107	15	122	-178	64	-85	-199
Residual Fuel Oil .....	1,230	6	1,236	812	193	125	1,130
Less than 0.31 percent sulfur .....	498	5	503	3	-	-	3
0.31 to 1.00 percent sulfur .....	405	1	406	117	79	-	196
Greater than 1.00 percent sulfur .....	327	-	327	692	114	125	931
Petrochemical Feedstocks .....	88	-	88	975	-	35	1,010
Naphtha for Petro. Feed. Use .....	88	-	88	648	-	-	648
Other Oils for Petro. Feed. Use .....	-	-	-	327	-	35	362
Special Naphthas .....	-	21	21	-55	-	14	-41
Lubricants .....	195	203	398	-	-	201	201
Waxes .....	-	11	11	-	-	26	26
Petroleum Coke .....	674	19	693	3,567	779	665	5,011
Marketable .....	124	-	124	2,592	613	452	3,657
Catalyst .....	550	19	569	975	166	213	1,354
Asphalt and Road Oil .....	491	651	1,142	2,489	839	304	3,632
Still Gas .....	1,394	55	1,449	2,562	620	961	4,143
Miscellaneous Products .....	36	27	63	275	113	27	415
<b>Total .....</b>	<b>108,708</b>	<b>9,194</b>	<b>117,902</b>	<b>92,360</b>	<b>19,306</b>	<b>29,682</b>	<b>141,348</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,630	34	-1,596	-4,036	-1,171	-975	-6,182

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	968	7,547	6,431	22	46	15,014	251	1,833	24,125
Natural Gas Liquids .....	547	4,311	3,702	20	46	8,626	193	2,035	16,101
Ethane .....	7	126	17	—	—	150	—	—	150
Propane .....	292	2,175	2,238	2	40	4,747	208	940	8,851
Normal Butane .....	281	2,606	1,306	18	12	4,223	64	944	7,501
Isobutane .....	-33	-596	141	—	-6	-494	-79	151	-401
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	421	3,236	2,729	2	—	6,388	58	-202	8,024
Ethylene .....	—	—	—	—	—	—	—	—	2
Propylene .....	427	3,226	2,843	2	—	6,498	12	-25	8,151
Butylene .....	-6	36	-114	—	—	-84	46	-177	-132
Isobutylene .....	—	-26	—	—	—	-26	—	—	3
Finished Motor Gasoline .....	20,132	21,804	13,715	9,277	1,760	66,688	9,002	47,530	300,587
Reformulated .....	7,633	6,493	—	—	—	14,126	—	34,003	97,762
Reformulated Blended with Fuel Ethanol .....	7,633	6,493	—	—	—	14,126	—	34,003	97,762
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	12,499	15,311	13,715	9,277	1,760	52,562	9,002	13,527	202,825
Conventional Blended with Fuel Ethanol .....	12,620	1,672	4,935	9,988	1,611	30,826	8,716	13,716	179,121
Ed55 and Lower .....	12,599	1,672	4,935	9,973	1,611	30,790	8,703	13,713	178,915
Greater than Ed55 .....	21	—	—	15	—	36	13	3	206
Conventional Other .....	-121	13,639	8,780	-711	149	21,736	286	-189	23,704
Finished Aviation Gasoline .....	83	126	132	—	—	341	2	87	460
Kerosene-Type Jet Fuel .....	1,573	13,757	12,538	214	0	28,082	932	11,652	51,828
Kerosene .....	0	34	43	1	—	78	—	9	200
Distillate Fuel Oil .....	6,245	40,239	37,328	1,454	1,789	87,055	5,799	15,999	151,776
15 ppm sulfur and under .....	6,225	38,466	30,447	1,248	1,789	78,175	5,766	15,179	141,758
Greater than 15 ppm to 500 ppm sulfur .....	20	331	2,600	98	—	3,049	50	351	3,812
Greater than 500 ppm sulfur .....	—	1,442	4,281	108	—	5,831	-17	469	6,206
Residual Fuel Oil .....	298	2,023	2,972	-8	134	5,419	345	3,539	11,669
Less than 0.31 percent sulfur .....	219	13	828	—	—	1,060	166	4	1,736
0.31 to 1.00 percent sulfur .....	—	150	447	-8	—	589	28	312	1,531
Greater than 1.00 percent sulfur .....	79	1,860	1,697	—	134	3,770	151	3,223	8,402
Petrochemical Feedstocks .....	148	4,827	2,956	—	—	7,931	—	1	9,030
Naphtha for Petro. Feed. Use .....	136	3,485	1,752	—	—	5,373	—	1	6,110
Other Oils for Petro. Feed. Use .....	12	1,342	1,204	—	—	2,558	—	—	2,920
Special Naphthas .....	61	602	—	236	—	899	—	26	905
Lubricants .....	28	1,489	1,620	916	—	4,053	—	533	5,185
Waxes .....	—	39	39	29	—	107	—	—	144
Petroleum Coke .....	408	8,131	5,248	129	40	13,956	658	4,235	24,553
Marketable .....	179	6,343	4,083	124	—	10,729	447	3,396	18,353
Catalyst .....	229	1,788	1,165	5	40	3,227	211	839	6,200
Asphalt and Road Oil .....	180	662	741	856	47	2,486	746	749	8,755
Still Gas .....	597	5,172	4,024	191	101	10,085	615	3,221	19,513
Miscellaneous Products .....	110	876	524	11	15	1,536	107	361	2,482
<b>Total .....</b>	<b>30,831</b>	<b>107,328</b>	<b>88,311</b>	<b>13,328</b>	<b>3,932</b>	<b>243,730</b>	<b>18,457</b>	<b>89,775</b>	<b>611,212</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-978	-10,204	-7,160	-47	-99	-18,488	-550	-5,137	-31,953

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	1,892	75	1,967	4,701	633	779	6,113
Natural Gas Liquids .....	1,287	75	1,362	3,710	505	573	4,788
Ethane .....	-	-	-	-	-	-	-
Propane .....	657	29	686	1,459	283	458	2,200
Normal Butane .....	598	60	658	2,150	248	88	2,486
Isobutane .....	32	-14	18	101	-26	27	102
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	605	-	605	991	128	206	1,325
Ethylene .....	20	-	20	-	-	-	-
Propylene .....	483	-	483	856	128	206	1,190
Butylene .....	57	-	57	135	-	-	135
Isobutylene .....	45	-	45	-	-	-	-
Finished Motor Gasoline .....	96,572	7,831	104,403	53,978	11,509	17,461	82,948
Reformulated .....	40,632	411	41,043	8,586	1,539	1,148	11,273
Reformulated Blended with Fuel Ethanol .....	40,632	411	41,043	8,586	1,539	1,148	11,273
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	55,940	7,420	63,360	45,392	9,970	16,313	71,675
Conventional Blended with Fuel Ethanol .....	58,323	7,381	65,704	42,148	10,077	15,059	67,284
Ed55 and Lower .....	58,279	7,381	65,660	42,134	10,045	14,982	67,161
Greater than Ed55 .....	44	-	44	14	32	77	123
Conventional Other .....	-2,383	39	-2,344	3,244	-107	1,254	4,391
Finished Aviation Gasoline .....	-	-	-	-	59	-	59
Kerosene-Type Jet Fuel .....	3,279	-	3,279	6,188	961	848	7,997
Kerosene .....	56	-	56	35	-	-	35
Distillate Fuel Oil .....	9,907	857	10,764	18,064	4,991	10,430	33,485
15 ppm sulfur and under .....	9,497	790	10,287	18,054	5,088	10,361	33,503
Greater than 15 ppm to 500 ppm sulfur .....	0	50	50	-67	-	100	33
Greater than 500 ppm sulfur .....	410	17	427	77	-97	-31	-51
Residual Fuel Oil .....	1,048	10	1,058	879	199	137	1,215
Less than 0.31 percent sulfur .....	134	9	143	129	-	-	129
0.31 to 1.00 percent sulfur .....	325	1	326	15	76	-	91
Greater than 1.00 percent sulfur .....	589	-	589	735	123	137	995
Petrochemical Feedstocks .....	91	-	91	906	-	30	936
Naphtha for Petro. Feed. Use .....	91	-	91	676	-	-	676
Other Oils for Petro. Feed. Use .....	-	-	-	230	-	30	260
Special Naphthas .....	-	13	13	-12	-	9	-3
Lubricants .....	167	199	366	-	-	177	177
Waxes .....	-	10	10	-	-	24	24
Petroleum Coke .....	801	20	821	3,187	795	870	4,852
Marketable .....	163	-	163	2,290	625	646	3,561
Catalyst .....	638	20	658	897	170	224	1,291
Asphalt and Road Oil .....	420	672	1,092	2,238	1,099	285	3,622
Still Gas .....	1,395	53	1,448	2,438	617	1,080	4,135
Miscellaneous Products .....	47	24	71	256	115	43	414
<b>Total .....</b>	<b>115,675</b>	<b>9,764</b>	<b>125,439</b>	<b>92,858</b>	<b>20,978</b>	<b>32,173</b>	<b>146,009</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,674	38	-1,636	-3,787	-1,291	-861	-5,939

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	1,142	7,888	7,243	60	63	16,396	547	1,865	26,888
Natural Gas Liquids .....	774	4,728	3,951	43	63	9,559	496	2,103	18,308
Ethane .....	2	125	17	—	—	144	—	—	144
Propane .....	318	2,373	2,141	9	40	4,881	292	1,071	9,130
Normal Butane .....	491	2,887	1,549	34	26	4,987	209	964	9,304
Isobutane .....	-37	-657	244	—	-3	-453	-5	68	-270
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	368	3,160	3,292	17	—	6,837	51	-238	8,580
Ethylene .....	—	—	—	—	—	—	—	—	20
Propylene .....	372	3,330	3,371	17	—	7,090	2	5	8,770
Butylene .....	-4	-125	-79	—	—	-208	49	-243	-210
Isobutylene .....	—	-45	—	—	—	-45	—	—	0
Finished Motor Gasoline .....	21,182	24,164	13,901	9,867	1,845	70,959	9,732	49,070	317,112
Reformulated .....	7,982	6,716	—	—	—	14,698	—	34,624	101,638
Reformulated Blended with Fuel Ethanol .....	7,982	6,716	—	—	—	14,698	—	34,624	101,638
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	13,200	17,448	13,901	9,867	1,845	56,261	9,732	14,446	215,474
Conventional Blended with Fuel Ethanol .....	13,058	1,739	5,250	10,634	1,765	32,446	9,209	14,409	189,052
Ed55 and Lower .....	13,036	1,739	5,250	10,619	1,765	32,409	9,195	14,406	188,831
Greater than Ed55 .....	22	—	—	15	—	37	14	3	221
Conventional Other .....	142	15,709	8,651	-767	80	23,815	523	37	26,422
Finished Aviation Gasoline .....	89	72	93	—	—	254	6	—	319
Kerosene-Type Jet Fuel .....	1,494	13,549	12,849	203	0	28,095	997	13,218	53,586
Kerosene .....	-3	23	45	2	—	67	—	-1	157
Distillate Fuel Oil .....	7,059	42,580	39,284	2,505	1,777	93,205	7,133	16,976	161,563
15 ppm sulfur and under .....	7,065	40,327	32,819	2,381	1,777	84,369	7,067	16,179	151,405
Greater than 15 ppm to 500 ppm sulfur .....	-6	270	2,995	96	—	3,355	62	348	3,848
Greater than 500 ppm sulfur .....	—	1,983	3,470	28	—	5,481	4	449	6,310
Residual Fuel Oil .....	324	1,989	2,817	-1	164	5,293	353	3,349	11,268
Less than 0.31 percent sulfur .....	247	36	772	—	—	1,055	148	10	1,485
0.31 to 1.00 percent sulfur .....	—	36	588	-1	—	623	38	380	1,458
Greater than 1.00 percent sulfur .....	77	1,917	1,457	—	164	3,615	167	2,959	8,325
Petrochemical Feedstocks .....	142	5,232	3,063	—	—	8,437	—	1	9,465
Naphtha for Petro. Feed. Use .....	130	3,670	1,623	—	—	5,423	—	1	6,191
Other Oils for Petro. Feed. Use .....	12	1,562	1,440	—	—	3,014	—	—	3,274
Special Naphthas .....	43	570	—	211	—	824	—	46	880
Lubricants .....	19	1,475	1,506	934	—	3,934	—	549	5,026
Waxes .....	—	36	40	19	—	95	—	—	129
Petroleum Coke .....	457	7,453	5,681	143	35	13,769	751	4,229	24,422
Marketable .....	201	5,518	4,393	130	—	10,242	510	3,165	17,641
Catalyst .....	256	1,935	1,288	13	35	3,527	241	1,064	6,781
Asphalt and Road Oil .....	195	627	882	1,018	22	2,744	1,289	814	9,561
Still Gas .....	712	5,553	4,221	270	110	10,866	724	3,586	20,759
Miscellaneous Products .....	108	896	530	19	4	1,557	110	367	2,519
<b>Total .....</b>	<b>32,963</b>	<b>112,107</b>	<b>92,155</b>	<b>15,250</b>	<b>4,020</b>	<b>256,495</b>	<b>21,642</b>	<b>94,069</b>	<b>643,654</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,043	-9,957	-8,172	-50	-77	-19,299	-896	-5,221	-32,991

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	1,375	39	1,414	4,668	620	693	5,981
Natural Gas Liquids .....	1,047	39	1,086	3,757	475	516	4,748
Ethane .....	-	-	-	-	-	-	-
Propane .....	557	19	576	1,543	284	497	2,324
Normal Butane .....	478	33	511	2,198	213	29	2,440
Isobutane .....	12	-13	-1	16	-22	-10	-16
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	328	-	328	911	145	177	1,233
Ethylene .....	7	-	7	-	-	-	-
Propylene .....	409	-	409	800	145	175	1,120
Butylene .....	-114	-	-114	111	-	2	113
Isobutylene .....	26	-	26	-	-	-	-
Finished Motor Gasoline .....	92,438	7,590	100,028	52,470	11,216	16,728	80,414
Reformulated .....	39,825	391	40,216	8,491	1,508	904	10,903
Reformulated Blended with Fuel Ethanol .....	39,825	391	40,216	8,491	1,508	904	10,903
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	52,613	7,199	59,812	43,979	9,708	15,824	69,511
Conventional Blended with Fuel Ethanol .....	55,122	7,133	62,255	40,676	9,659	14,528	64,863
Ed55 and Lower .....	55,080	7,133	62,213	40,661	9,628	14,457	64,746
Greater than Ed55 .....	42	-	42	15	31	71	117
Conventional Other .....	-2,509	66	-2,443	3,303	49	1,296	4,648
Finished Aviation Gasoline .....	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel .....	3,743	-	3,743	6,490	1,084	971	8,545
Kerosene .....	-28	-	-28	59	-	8	67
Distillate Fuel Oil .....	9,061	668	9,729	19,176	5,130	10,835	35,141
15 ppm sulfur and under .....	9,014	567	9,581	19,169	5,130	10,986	35,285
Greater than 15 ppm to 500 ppm sulfur .....	81	85	166	-23	-	-108	-131
Greater than 500 ppm sulfur .....	-34	16	-18	30	-	-43	-13
Residual Fuel Oil .....	1,173	1	1,174	911	173	118	1,202
Less than 0.31 percent sulfur .....	-7	-	-7	78	-	-	78
0.31 to 1.00 percent sulfur .....	766	1	767	16	75	-	91
Greater than 1.00 percent sulfur .....	414	-	414	817	98	118	1,033
Petrochemical Feedstocks .....	59	-	59	805	-	35	840
Naphtha for Petro. Feed. Use .....	59	-	59	489	-	-	489
Other Oils for Petro. Feed. Use .....	-	-	-	316	-	35	351
Special Naphthas .....	-	26	26	-32	-	17	-15
Lubricants .....	200	181	381	-	-	193	193
Waxes .....	-	15	15	-	-	30	30
Petroleum Coke .....	788	12	800	3,450	875	885	5,210
Marketable .....	174	-	174	2,505	712	664	3,881
Catalyst .....	614	12	626	945	163	221	1,329
Asphalt and Road Oil .....	612	388	1,000	2,703	1,095	252	4,050
Still Gas .....	1,235	39	1,274	2,652	604	1,101	4,357
Miscellaneous Products .....	51	15	66	275	117	51	443
<b>Total .....</b>	<b>110,707</b>	<b>8,974</b>	<b>119,681</b>	<b>93,627</b>	<b>20,944</b>	<b>31,917</b>	<b>146,488</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,717	84	-1,633	-3,725	-1,222	-1,461	-6,408

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	1,145	7,609	6,652	45	78	15,529	585	2,273	25,782
Natural Gas Liquids .....	740	4,465	3,509	29	78	8,821	507	2,290	17,452
Ethane .....	1	109	21	—	—	131	—	—	131
Propane .....	319	2,268	2,142	5	41	4,775	278	1,059	9,012
Normal Butane .....	430	2,767	1,095	24	38	4,354	203	1,100	8,608
Isobutane .....	-10	-679	251	—	-1	-439	26	131	-299
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	405	3,144	3,143	16	—	6,708	78	-17	8,330
Ethylene .....	—	—	—	—	—	—	—	—	7
Propylene .....	382	3,372	3,250	16	—	7,020	3	153	8,705
Butylene .....	23	-184	-107	—	—	-268	75	-170	-364
Isobutylene .....	—	-44	—	—	—	-44	—	—	-18
Finished Motor Gasoline .....	20,567	24,051	12,954	9,377	1,825	68,774	9,816	48,042	307,074
Reformulated .....	7,571	6,515	—	—	—	14,086	—	33,972	99,177
Reformulated Blended with Fuel Ethanol .....	7,571	6,515	—	—	—	14,086	—	33,972	99,177
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	12,996	17,536	12,954	9,377	1,825	54,688	9,816	14,070	207,897
Conventional Blended with Fuel Ethanol .....	12,773	1,609	5,116	10,102	1,685	31,285	9,333	14,218	181,954
Ed55 and Lower .....	12,760	1,609	5,116	10,089	1,685	31,259	9,320	14,216	181,754
Greater than Ed55 .....	13	—	—	13	—	26	13	2	200
Conventional Other .....	223	15,927	7,838	-725	140	23,403	483	-148	25,943
Finished Aviation Gasoline .....	75	70	116	—	—	261	6	101	398
Kerosene-Type Jet Fuel .....	1,413	13,884	12,763	223	0	28,283	1,029	14,877	56,477
Kerosene .....	6	-33	-52	—	—	-79	—	-1	-41
Distillate Fuel Oil .....	6,670	44,516	36,870	2,424	1,493	91,973	6,776	16,902	160,521
15 ppm sulfur and under .....	6,643	42,514	30,011	2,305	1,493	82,966	6,784	16,132	150,748
Greater than 15 ppm to 500 ppm sulfur .....	27	323	2,936	89	—	3,375	27	334	3,771
Greater than 500 ppm sulfur .....	—	1,679	3,923	30	—	5,632	-35	436	6,002
Residual Fuel Oil .....	323	1,686	4,129	-8	182	6,312	360	3,850	12,898
Less than 0.31 percent sulfur .....	194	36	1,126	—	—	1,356	184	4	1,615
0.31 to 1.00 percent sulfur .....	—	84	441	-8	—	517	28	395	1,798
Greater than 1.00 percent sulfur .....	129	1,566	2,562	—	182	4,439	148	3,451	9,485
Petrochemical Feedstocks .....	137	5,081	2,662	—	—	7,880	—	2	8,781
Naphtha for Petro. Feed. Use .....	124	3,618	1,420	—	—	5,162	—	2	5,712
Other Oils for Petro. Feed. Use .....	13	1,463	1,242	—	—	2,718	—	—	3,069
Special Naphthas .....	81	635	—	198	—	914	—	42	967
Lubricants .....	27	1,683	1,198	864	—	3,772	—	534	4,880
Waxes .....	—	35	42	27	—	104	—	—	149
Petroleum Coke .....	406	8,222	5,434	146	31	14,239	757	4,455	25,461
Marketable .....	166	6,318	4,085	132	—	10,701	522	3,391	18,669
Catalyst .....	240	1,904	1,349	14	31	3,538	235	1,064	6,792
Asphalt and Road Oil .....	204	636	708	927	42	2,517	1,417	903	9,887
Still Gas .....	637	5,621	4,081	203	95	10,637	688	3,651	20,607
Miscellaneous Products .....	107	941	445	19	13	1,525	110	386	2,530
<b>Total .....</b>	<b>31,798</b>	<b>114,637</b>	<b>88,002</b>	<b>14,445</b>	<b>3,759</b>	<b>252,641</b>	<b>21,544</b>	<b>96,017</b>	<b>636,371</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-893	-10,315	-7,077	290	-27	-18,022	-756	-5,466	-32,285

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	1,267	85	1,352	5,033	640	666	6,339
Natural Gas Liquids .....	945	85	1,030	3,884	481	465	4,830
Ethane .....	-	-	-	-	-	-	-
Propane .....	430	32	462	1,664	275	499	2,438
Normal Butane .....	497	63	560	2,283	207	66	2,556
Isobutane .....	18	-10	8	-63	-1	-100	-164
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	322	-	322	1,149	159	201	1,509
Ethylene .....	13	-	13	-	-	-	-
Propylene .....	354	-	354	935	159	201	1,295
Butylene .....	-78	-	-78	214	-	-	214
Isobutylene .....	33	-	33	-	-	-	-
Finished Motor Gasoline .....	96,566	8,046	104,612	53,903	12,233	17,655	83,791
Reformulated .....	41,157	253	41,410	8,257	1,632	1,156	11,045
Reformulated Blended with Fuel Ethanol .....	41,157	253	41,410	8,257	1,632	1,156	11,045
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	55,409	7,793	63,202	45,646	10,601	16,499	72,746
Conventional Blended with Fuel Ethanol .....	57,240	7,746	64,986	42,267	10,505	15,341	68,113
Ed55 and Lower .....	57,192	7,746	64,938	42,250	10,474	15,263	67,987
Greater than Ed55 .....	48	-	48	17	31	78	126
Conventional Other .....	-1,831	47	-1,784	3,379	96	1,158	4,633
Finished Aviation Gasoline .....	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel .....	3,437	-	3,437	6,836	1,121	1,196	9,153
Kerosene .....	147	-2	145	21	-	11	32
Distillate Fuel Oil .....	6,647	885	7,532	20,911	5,278	11,090	37,279
15 ppm sulfur and under .....	6,696	777	7,473	20,838	5,262	11,118	37,218
Greater than 15 ppm to 500 ppm sulfur .....	26	84	110	-	-	116	116
Greater than 500 ppm sulfur .....	-75	24	-51	73	16	-144	-55
Residual Fuel Oil .....	1,232	1	1,233	1,183	220	134	1,537
Less than 0.31 percent sulfur .....	34	-	34	34	-	1	35
0.31 to 1.00 percent sulfur .....	856	1	857	130	92	-	222
Greater than 1.00 percent sulfur .....	342	-	342	1,019	128	133	1,280
Petrochemical Feedstocks .....	-	-	-	1,010	-	34	1,044
Naphtha for Petro. Feed. Use .....	-	-	-	669	-	-	669
Other Oils for Petro. Feed. Use .....	-	-	-	341	-	34	375
Special Naphthas .....	-	26	26	-57	-	21	-36
Lubricants .....	186	227	413	-	-	242	242
Waxes .....	-	3	3	-	-	38	38
Petroleum Coke .....	884	21	905	4,026	1,222	989	6,237
Marketable .....	366	-	366	2,880	1,053	760	4,693
Catalyst .....	518	21	539	1,146	169	229	1,544
Asphalt and Road Oil .....	625	704	1,329	4,172	1,227	295	5,694
Still Gas .....	1,070	53	1,123	2,962	641	1,129	4,732
Miscellaneous Products .....	62	23	85	342	115	57	514
<b>Total .....</b>	<b>112,123</b>	<b>10,072</b>	<b>122,195</b>	<b>100,342</b>	<b>22,727</b>	<b>33,557</b>	<b>156,626</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,284	28	-1,256	-4,612	-1,421	-1,213	-7,246

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	1,178	8,573	6,047	45	79	15,922	556	2,243	26,412
Natural Gas Liquids .....	746	4,928	3,115	28	79	8,896	472	2,177	17,405
Ethane .....	11	152	10	—	—	173	—	—	173
Propane .....	342	2,288	2,110	8	42	4,790	305	1,069	9,064
Normal Butane .....	415	3,053	868	20	31	4,387	164	977	8,644
Isobutane .....	-22	-565	127	—	6	-454	3	131	-476
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	432	3,645	2,932	17	—	7,026	84	66	9,007
Ethylene .....	—	—	—	—	—	—	—	—	13
Propylene .....	428	3,569	3,055	17	—	7,069	12	149	8,879
Butylene .....	4	108	-123	—	—	-11	72	-83	114
Isobutylene .....	—	-32	—	—	—	-32	—	—	1
Finished Motor Gasoline .....	20,963	23,646	12,511	9,746	1,889	68,755	10,849	49,440	317,447
Reformulated .....	7,736	6,576	—	—	—	14,312	—	34,431	101,198
Reformulated Blended with Fuel Ethanol .....	7,736	6,576	—	—	—	14,312	—	34,431	101,198
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	13,227	17,070	12,511	9,746	1,889	54,443	10,849	15,009	216,249
Conventional Blended with Fuel Ethanol .....	13,189	1,698	5,122	10,532	1,774	32,315	10,185	14,877	190,476
Ed55 and Lower .....	13,167	1,698	5,122	10,517	1,774	32,278	10,171	14,854	190,228
Greater than Ed55 .....	22	—	—	15	—	37	14	23	248
Conventional Other .....	38	15,372	7,389	-786	115	22,128	664	132	25,773
Finished Aviation Gasoline .....	83	62	189	—	—	334	8	100	472
Kerosene-Type Jet Fuel .....	1,608	15,651	13,243	191	0	30,693	1,181	15,128	59,592
Kerosene .....	-3	95	25	2	—	119	—	5	301
Distillate Fuel Oil .....	6,808	44,301	36,731	2,671	1,643	92,154	7,070	18,585	162,620
15 ppm sulfur and under .....	6,808	42,659	30,865	2,511	1,643	84,486	7,023	18,080	154,280
Greater than 15 ppm to 500 ppm sulfur .....	—	306	2,108	99	—	2,513	32	308	3,079
Greater than 500 ppm sulfur .....	—	1,336	3,758	61	—	5,155	15	197	5,261
Residual Fuel Oil .....	334	1,338	3,976	-25	145	5,768	382	3,167	12,087
Less than 0.31 percent sulfur .....	247	34	1,173	—	—	1,454	181	3	1,707
0.31 to 1.00 percent sulfur .....	—	30	638	-25	—	643	35	225	1,982
Greater than 1.00 percent sulfur .....	87	1,274	2,165	—	145	3,671	166	2,939	8,398
Petrochemical Feedstocks .....	141	5,603	2,756	2	—	8,502	—	1	9,547
Naphtha for Petro. Feed. Use .....	127	3,749	1,612	2	—	5,490	—	1	6,160
Other Oils for Petro. Feed. Use .....	14	1,854	1,144	—	—	3,012	—	—	3,387
Special Naphthas .....	69	712	—	228	—	1,009	—	36	1,035
Lubricants .....	21	1,782	1,761	890	—	4,454	—	526	5,635
Waxes .....	—	39	52	27	—	118	—	—	159
Petroleum Coke .....	417	8,684	5,546	151	34	14,832	848	4,970	27,792
Marketable .....	165	6,705	4,272	140	—	11,282	595	3,857	20,793
Catalyst .....	252	1,979	1,274	11	34	3,550	253	1,113	6,999
Asphalt and Road Oil .....	232	540	749	1,011	45	2,577	1,553	947	12,100
Still Gas .....	698	6,039	4,275	230	111	11,353	784	3,704	21,696
Miscellaneous Products .....	106	1,049	522	17	17	1,711	135	414	2,859
<b>Total .....</b>	<b>32,655</b>	<b>118,114</b>	<b>88,383</b>	<b>15,186</b>	<b>3,963</b>	<b>258,301</b>	<b>23,366</b>	<b>99,266</b>	<b>659,754</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,063	-10,046	-7,573	196	12	-18,474	-916	-5,155	-33,047

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	1,104	55	1,159	4,737	617	664	6,018
Natural Gas Liquids .....	726	55	781	3,686	484	399	4,569
Ethane .....	-	-	-	-	-	-	-
Propane .....	426	26	452	1,639	303	479	2,421
Normal Butane .....	325	47	372	2,077	208	7	2,292
Isobutane .....	-25	-18	-43	-30	-27	-87	-144
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	378	-	378	1,051	133	265	1,449
Ethylene .....	9	-	9	-	-	-	-
Propylene .....	419	-	419	928	133	257	1,318
Butylene .....	-88	-	-88	123	-	8	131
Isobutylene .....	38	-	38	-	-	-	-
Finished Motor Gasoline .....	98,353	8,284	106,637	53,909	12,022	17,371	83,302
Reformulated .....	41,002	111	41,113	8,365	1,591	1,163	11,119
Reformulated Blended with Fuel Ethanol .....	41,002	111	41,113	8,365	1,591	1,163	11,119
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	57,351	8,173	65,524	45,544	10,431	16,208	72,183
Conventional Blended with Fuel Ethanol .....	59,316	8,139	67,455	42,661	10,375	15,082	68,118
Ed55 and Lower .....	59,241	8,139	67,380	42,644	10,342	15,001	67,987
Greater than Ed55 .....	75	-	75	17	33	81	131
Conventional Other .....	-1,965	34	-1,931	2,883	56	1,126	4,065
Finished Aviation Gasoline .....	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel .....	3,419	-	3,419	6,988	1,160	1,110	9,258
Kerosene .....	143	3	146	-46	-	11	-35
Distillate Fuel Oil .....	6,629	875	7,504	21,374	5,403	11,363	38,140
15 ppm sulfur and under .....	6,575	748	7,323	21,442	5,420	11,267	38,129
Greater than 15 ppm to 500 ppm sulfur .....	29	104	133	-46	-	200	154
Greater than 500 ppm sulfur .....	25	23	48	-22	-17	-104	-143
Residual Fuel Oil .....	997	10	1,007	1,077	211	107	1,395
Less than 0.31 percent sulfur .....	126	9	135	111	-	-	111
0.31 to 1.00 percent sulfur .....	368	1	369	147	79	-	226
Greater than 1.00 percent sulfur .....	503	-	503	819	132	107	1,058
Petrochemical Feedstocks .....	-	-	-	1,013	-	29	1,042
Naphtha for Petro. Feed. Use .....	-	-	-	694	-	-	694
Other Oils for Petro. Feed. Use .....	-	-	-	319	-	29	348
Special Naphthas .....	-	25	25	-46	-	43	-3
Lubricants .....	164	224	388	-	-	235	235
Waxes .....	-	6	6	-	-	38	38
Petroleum Coke .....	868	20	888	4,175	911	940	6,026
Marketable .....	374	-	374	3,058	738	700	4,496
Catalyst .....	494	20	514	1,117	173	240	1,530
Asphalt and Road Oil .....	578	691	1,269	3,631	1,189	268	5,088
Still Gas .....	1,026	50	1,076	2,933	629	1,173	4,735
Miscellaneous Products .....	54	31	85	350	113	60	523
<b>Total .....</b>	<b>113,335</b>	<b>10,274</b>	<b>123,609</b>	<b>100,095</b>	<b>22,285</b>	<b>33,412</b>	<b>155,792</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,421	43	-1,378	-4,695	-1,169	-1,212	-7,076

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	975	7,981	6,064	45	67	15,132	538	2,145	24,992
Natural Gas Liquids .....	546	4,309	3,308	32	67	8,262	498	2,005	16,115
Ethane .....	13	174	34	—	—	221	—	—	221
Propane .....	296	2,223	2,261	11	44	4,835	316	1,119	9,143
Normal Butane .....	250	2,474	854	21	28	3,627	226	767	7,284
Isobutane .....	-13	-562	159	—	-5	-421	-44	119	-533
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	429	3,672	2,756	13	—	6,870	40	140	8,877
Ethylene .....	—	—	—	—	—	—	—	—	9
Propylene .....	427	3,609	2,873	13	—	6,922	2	147	8,808
Butylene .....	2	97	-117	—	—	-18	38	-7	56
Isobutylene .....	—	-34	—	—	—	-34	—	—	4
Finished Motor Gasoline .....	21,419	23,935	15,138	9,852	1,788	72,132	10,421	51,053	323,545
Reformulated .....	7,627	6,924	—	—	—	14,551	—	35,681	102,464
Reformulated Blended with Fuel Ethanol .....	7,627	6,924	—	—	—	14,551	—	35,681	102,464
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	13,792	17,011	15,138	9,852	1,788	57,581	10,421	15,372	221,081
Conventional Blended with Fuel Ethanol .....	13,757	1,696	5,236	10,667	1,830	33,186	9,869	15,190	193,818
Ed55 and Lower .....	13,735	1,696	5,236	10,652	1,830	33,149	9,856	15,176	193,548
Greater than Ed55 .....	22	—	—	15	—	37	13	14	270
Conventional Other .....	35	15,315	9,902	-815	-42	24,395	552	182	27,263
Finished Aviation Gasoline .....	108	111	139	—	—	358	8	—	396
Kerosene-Type Jet Fuel .....	1,625	15,120	13,786	207	0	30,738	1,126	15,111	59,652
Kerosene .....	-2	-1	-60	5	—	-58	—	3	56
Distillate Fuel Oil .....	6,532	43,613	37,920	2,140	1,724	91,929	7,105	18,583	163,261
15 ppm sulfur and under .....	6,443	41,484	31,325	1,999	1,724	82,975	7,047	17,760	153,234
Greater than 15 ppm to 500 ppm sulfur .....	89	294	2,714	102	—	3,199	60	281	3,827
Greater than 500 ppm sulfur .....	—	1,835	3,881	39	—	5,755	-2	542	6,200
Residual Fuel Oil .....	356	2,167	3,402	-46	121	6,000	393	3,901	12,696
Less than 0.31 percent sulfur .....	272	26	1,234	—	—	1,532	180	2	1,960
0.31 to 1.00 percent sulfur .....	—	53	475	-46	—	482	43	187	1,307
Greater than 1.00 percent sulfur .....	84	2,088	1,693	—	121	3,986	170	3,712	9,429
Petrochemical Feedstocks .....	119	5,970	3,156	—	—	9,245	—	3	10,290
Naphtha for Petro. Feed. Use .....	105	4,140	1,710	—	—	5,955	—	3	6,652
Other Oils for Petro. Feed. Use .....	14	1,830	1,446	—	—	3,290	—	—	3,638
Special Naphthas .....	87	710	—	224	—	1,021	—	33	1,076
Lubricants .....	22	1,758	1,645	851	—	4,276	—	529	5,428
Waxes .....	—	36	18	24	—	78	—	—	122
Petroleum Coke .....	396	8,340	5,815	84	33	14,668	872	4,929	27,383
Marketable .....	169	6,334	4,445	71	—	11,019	616	3,846	20,351
Catalyst .....	227	2,006	1,370	13	33	3,649	256	1,083	7,032
Asphalt and Road Oil .....	210	661	892	1,087	45	2,895	1,588	1,003	11,843
Still Gas .....	759	5,671	4,511	252	101	11,294	796	3,754	21,655
Miscellaneous Products .....	111	933	527	14	9	1,594	132	414	2,748
<b>Total .....</b>	<b>32,717</b>	<b>117,005</b>	<b>92,953</b>	<b>14,739</b>	<b>3,888</b>	<b>261,302</b>	<b>22,979</b>	<b>101,461</b>	<b>665,143</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,040	-10,138	-7,886	10	-11	-19,065	-926	-5,614	-34,059

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	929	1	930	2,886	272	577	3,735
Natural Gas Liquids .....	495	1	496	1,911	249	283	2,443
Ethane .....	-	-	-	-	-	-	-
Propane .....	428	24	452	1,523	188	432	2,143
Normal Butane .....	52	-5	47	389	39	-89	339
Isobutane .....	15	-18	-3	-1	22	-60	-39
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	434	-	434	975	23	294	1,292
Ethylene .....	8	-	8	-	-	-	-
Propylene .....	463	-	463	882	23	294	1,199
Butylene .....	-63	-	-63	93	-	-	93
Isobutylene .....	26	-	26	-	-	-	-
Finished Motor Gasoline .....	89,158	7,530	96,688	50,909	10,390	16,186	77,485
Reformulated .....	38,315	70	38,385	8,137	1,481	1,069	10,687
Reformulated Blended with Fuel Ethanol .....	38,315	70	38,385	8,137	1,481	1,069	10,687
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	50,843	7,460	58,303	42,772	8,909	15,117	66,798
Conventional Blended with Fuel Ethanol .....	52,858	7,392	60,250	39,212	9,176	13,994	62,382
Ed55 and Lower .....	52,808	7,392	60,200	39,200	9,148	13,918	62,266
Greater than Ed55 .....	50	-	50	12	28	76	116
Conventional Other .....	-2,015	68	-1,947	3,560	-267	1,123	4,416
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	2,935	-	2,935	6,939	918	1,022	8,879
Kerosene .....	55	7	62	52	-	17	69
Distillate Fuel Oil .....	6,948	834	7,782	19,033	4,114	10,747	33,894
15 ppm sulfur and under .....	7,037	720	7,757	19,024	4,113	10,698	33,835
Greater than 15 ppm to 500 ppm sulfur .....	32	82	114	-23	-	152	129
Greater than 500 ppm sulfur .....	-121	32	-89	32	1	-103	-70
Residual Fuel Oil .....	729	9	738	968	149	115	1,232
Less than 0.31 percent sulfur .....	-52	8	-44	66	-	-	66
0.31 to 1.00 percent sulfur .....	315	1	316	147	11	-	158
Greater than 1.00 percent sulfur .....	466	-	466	755	138	115	1,008
Petrochemical Feedstocks .....	-6	-	-6	879	-	26	905
Naphtha for Petro. Feed. Use .....	-6	-	-6	646	-	-	646
Other Oils for Petro. Feed. Use .....	-	-	-	233	-	26	259
Special Naphthas .....	-	23	23	-91	-	63	-28
Lubricants .....	168	169	337	-	-	205	205
Waxes .....	-	12	12	-	-	34	34
Petroleum Coke .....	764	20	784	3,910	425	811	5,146
Marketable .....	287	-	287	2,856	356	580	3,792
Catalyst .....	477	20	497	1,054	69	231	1,354
Asphalt and Road Oil .....	376	696	1,072	3,723	1,153	346	5,222
Still Gas .....	961	46	1,007	2,799	436	1,096	4,331
Miscellaneous Products .....	53	25	78	329	55	48	432
<b>Total .....</b>	<b>103,070</b>	<b>9,372</b>	<b>112,442</b>	<b>92,336</b>	<b>17,912</b>	<b>31,293</b>	<b>141,541</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,291	36	-1,255	-4,345	-627	-1,243	-6,215

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	828	5,706	4,938	16	46	11,534	317	1,876	18,392
Natural Gas Liquids .....	452	2,373	2,105	-6	46	4,970	267	1,726	9,902
Ethane .....	1	129	30	-	-	160	-	-	160
Propane .....	264	2,016	1,905	6	38	4,229	291	1,039	8,154
Normal Butane .....	141	832	35	-12	9	1,005	22	590	2,003
Isobutane .....	46	-604	135	-	-1	-424	-46	97	-415
Natural Gasoline .....	-	-	-	-	-	-	-	-	-
Refinery Olefins .....	376	3,333	2,833	22	-	6,564	50	150	8,490
Ethylene .....	-	-	-	-	-	-	-	-	8
Propylene .....	378	3,296	2,912	22	-	6,608	-2	181	8,449
Butylene .....	-2	69	-79	-	-	-12	52	-31	39
Isobutylene .....	-	-32	-	-	-	-32	-	-	-6
Finished Motor Gasoline .....	20,313	20,398	14,514	9,195	1,625	66,045	9,602	47,664	297,484
Reformulated .....	7,163	6,551	-	-	-	13,714	-	33,769	96,555
Reformulated Blended with Fuel Ethanol .....	7,163	6,551	-	-	-	13,714	-	33,769	96,555
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	13,150	13,847	14,514	9,195	1,625	52,331	9,602	13,895	200,929
Conventional Blended with Fuel Ethanol .....	13,053	1,556	4,904	9,913	1,612	31,038	9,191	13,872	176,733
Ed55 and Lower .....	13,030	1,556	4,904	9,899	1,611	31,000	9,178	13,857	176,501
Greater than Ed55 .....	23	-	-	14	1	38	13	15	232
Conventional Other .....	97	12,291	9,610	-718	13	21,293	411	23	24,196
Finished Aviation Gasoline .....	83	78	104	-	-	265	9	-	274
Kerosene-Type Jet Fuel .....	1,551	13,455	13,016	186	0	28,208	1,118	12,821	53,961
Kerosene .....	2	30	54	11	-	97	1	10	239
Distillate Fuel Oil .....	7,223	38,292	36,186	2,327	1,586	85,614	6,310	17,450	151,050
15 ppm sulfur and under .....	7,249	36,646	29,689	2,237	1,586	77,407	6,307	17,040	142,346
Greater than 15 ppm to 500 ppm sulfur .....	-26	216	3,029	111	-	3,330	10	25	3,608
Greater than 500 ppm sulfur .....	-	1,430	3,468	-21	-	4,877	-7	385	5,096
Residual Fuel Oil .....	422	1,458	2,754	-13	57	4,678	396	4,440	11,484
Less than 0.31 percent sulfur .....	260	43	867	-	-	1,170	181	2	1,375
0.31 to 1.00 percent sulfur .....	-	64	505	-13	-	556	46	285	1,361
Greater than 1.00 percent sulfur .....	162	1,351	1,382	-	57	2,952	169	4,153	8,748
Petrochemical Feedstocks .....	113	5,406	2,955	-	-	8,474	-	1	9,374
Naphtha for Petro. Feed. Use .....	99	3,680	1,530	-	-	5,309	-	1	5,950
Other Oils for Petro. Feed. Use .....	14	1,726	1,425	-	-	3,165	-	-	3,424
Special Naphthas .....	67	657	-	198	-	922	-	18	935
Lubricants .....	31	1,827	1,611	871	-	4,340	-	645	5,527
Waxes .....	-	38	28	12	-	78	-	-	124
Petroleum Coke .....	366	7,523	5,405	148	22	13,464	820	4,213	24,427
Marketable .....	156	5,640	4,143	135	-	10,074	581	3,217	17,951
Catalyst .....	210	1,883	1,262	13	22	3,390	239	996	6,476
Asphalt and Road Oil .....	232	591	704	725	63	2,315	1,148	847	10,604
Still Gas .....	650	4,965	4,186	245	80	10,126	686	3,416	19,566
Miscellaneous Products .....	110	835	508	20	30	1,503	119	404	2,536
<b>Total .....</b>	<b>31,991</b>	<b>101,259</b>	<b>86,963</b>	<b>13,941</b>	<b>3,509</b>	<b>237,663</b>	<b>20,526</b>	<b>93,805</b>	<b>605,977</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-915	-9,217	-7,090	124	-99	-17,197	-871	-4,987	-30,525

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	703	-27	676	830	29	130	989
Natural Gas Liquids .....	222	-27	195	176	-67	-92	17
Ethane .....	-	-	-	-	-	-	-
Propane .....	434	25	459	1,309	225	346	1,880
Normal Butane .....	-171	-34	-205	-1,055	-272	-385	-1,712
Isobutane .....	-41	-18	-59	-78	-20	-53	-151
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	481	-	481	654	96	222	972
Ethylene .....	16	-	16	-	-	-	-
Propylene .....	523	-	523	730	96	228	1,054
Butylene .....	-58	-	-58	-76	-	-6	-82
Isobutylene .....	-	-	-	-	-	-	-
Finished Motor Gasoline .....	94,155	7,804	101,959	54,482	11,569	17,135	83,186
Reformulated .....	40,318	79	40,397	8,650	1,664	1,132	11,446
Reformulated Blended with Fuel Ethanol .....	40,318	79	40,397	8,650	1,664	1,132	11,446
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	53,837	7,725	61,562	45,832	9,905	16,003	71,740
Conventional Blended with Fuel Ethanol .....	56,824	7,681	64,505	41,764	10,132	14,797	66,693
Ed55 and Lower .....	56,785	7,681	64,466	41,753	10,099	14,723	66,575
Greater than Ed55 .....	39	-	39	11	33	74	118
Conventional Other .....	-2,987	44	-2,943	4,068	-227	1,206	5,047
Finished Aviation Gasoline .....	-	-	-	-	44	-	44
Kerosene-Type Jet Fuel .....	2,067	-1	2,066	6,302	862	941	8,105
Kerosene .....	136	-	136	204	-	35	239
Distillate Fuel Oil .....	6,800	921	7,721	19,530	4,562	9,873	33,965
15 ppm sulfur and under .....	6,814	808	7,622	19,647	4,568	10,016	34,231
Greater than 15 ppm to 500 ppm sulfur .....	-102	95	-7	-	-	-41	-41
Greater than 500 ppm sulfur .....	88	18	106	-117	-6	-102	-225
Residual Fuel Oil .....	661	4	665	1,083	223	63	1,369
Less than 0.31 percent sulfur .....	23	3	26	56	-	-	56
0.31 to 1.00 percent sulfur .....	339	1	340	105	75	-	180
Greater than 1.00 percent sulfur .....	299	-	299	922	148	63	1,133
Petrochemical Feedstocks .....	5	-	5	903	-	31	934
Naphtha for Petro. Feed. Use .....	5	-	5	572	-	-	572
Other Oils for Petro. Feed. Use .....	-	-	-	331	-	31	362
Special Naphthas .....	-	21	21	-44	-	74	30
Lubricants .....	236	184	420	-	-	167	167
Waxes .....	-	9	9	-	-	27	27
Petroleum Coke .....	810	20	830	3,588	620	806	5,014
Marketable .....	366	-	366	2,563	502	644	3,709
Catalyst .....	444	20	464	1,025	118	162	1,305
Asphalt and Road Oil .....	431	723	1,154	3,778	1,092	457	5,327
Still Gas .....	936	42	978	2,568	532	989	4,089
Miscellaneous Products .....	62	30	92	294	71	39	404
<b>Total .....</b>	<b>107,002</b>	<b>9,730</b>	<b>116,732</b>	<b>93,518</b>	<b>19,604</b>	<b>30,767</b>	<b>143,889</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,487	10	-1,477	-4,179	-969	-1,086	-6,234

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	313	4,684	4,639	13	1	9,650	102	1,269	12,686
Natural Gas Liquids .....	3	1,263	1,608	-25	-12	2,837	61	1,187	4,297
Ethane .....	1	90	22	—	—	113	—	—	113
Propane .....	171	2,035	1,904	5	26	4,141	240	1,085	7,805
Normal Butane .....	-195	-311	-411	-30	-39	-986	-131	-52	-3,086
Isobutane .....	26	-551	93	—	1	-431	-48	154	-535
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	310	3,421	3,031	38	13	6,813	41	82	8,389
Ethylene .....	—	—	—	—	—	—	—	—	16
Propylene .....	308	3,652	2,986	38	—	6,984	8	139	8,708
Butylene .....	2	-204	45	—	13	-144	33	-57	-308
Isobutylene .....	—	-27	—	—	—	-27	—	—	-27
Finished Motor Gasoline .....	21,250	25,577	16,573	9,586	1,662	74,648	9,248	48,977	318,018
Reformulated .....	7,648	7,026	—	—	—	14,674	—	34,415	100,932
Reformulated Blended with Fuel Ethanol .....	7,648	7,026	—	—	—	14,674	—	34,415	100,932
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	13,602	18,551	16,573	9,586	1,662	59,974	9,248	14,562	217,086
Conventional Blended with Fuel Ethanol .....	13,620	1,629	5,152	10,365	1,707	32,473	9,253	14,401	187,325
Ed55 and Lower .....	13,595	1,629	5,152	10,351	1,707	32,434	9,239	14,375	187,089
Greater than Ed55 .....	25	—	—	14	—	39	14	26	236
Conventional Other .....	-18	16,922	11,421	-779	-45	27,501	-5	161	29,761
Finished Aviation Gasoline .....	86	125	152	—	—	363	3	—	410
Kerosene-Type Jet Fuel .....	1,401	12,739	12,483	211	0	26,834	1,005	13,245	51,255
Kerosene .....	9	66	18	28	—	121	—	6	502
Distillate Fuel Oil .....	6,917	39,087	35,674	2,560	992	85,230	5,195	16,501	148,612
15 ppm sulfur and under .....	7,019	35,807	29,778	2,451	992	76,047	4,993	15,498	138,391
Greater than 15 ppm to 500 ppm sulfur .....	-102	368	3,126	116	—	3,508	139	369	3,968
Greater than 500 ppm sulfur .....	—	2,912	2,770	-7	—	5,675	63	634	6,253
Residual Fuel Oil .....	379	947	2,669	-3	67	4,059	360	4,086	10,539
Less than 0.31 percent sulfur .....	282	—	1,014	—	—	1,296	207	9	1,594
0.31 to 1.00 percent sulfur .....	—	61	337	-3	—	395	36	305	1,256
Greater than 1.00 percent sulfur .....	97	886	1,318	—	67	2,368	117	3,772	7,689
Petrochemical Feedstocks .....	131	4,058	2,573	—	—	6,762	—	2	7,703
Naphtha for Petro. Feed. Use .....	118	2,273	1,114	—	—	3,505	—	2	4,084
Other Oils for Petro. Feed. Use .....	13	1,785	1,459	—	—	3,257	—	—	3,619
Special Naphthas .....	47	648	—	229	—	924	—	22	997
Lubricants .....	10	1,626	1,690	929	—	4,255	—	455	5,297
Waxes .....	—	46	42	17	—	105	—	—	141
Petroleum Coke .....	358	7,441	5,817	212	30	13,858	619	4,396	24,717
Marketable .....	140	5,394	4,390	196	—	10,120	421	3,313	17,929
Catalyst .....	218	2,047	1,427	16	30	3,738	198	1,083	6,788
Asphalt and Road Oil .....	217	194	643	693	19	1,766	900	828	9,975
Still Gas .....	685	5,214	4,128	238	77	10,342	577	3,332	19,318
Miscellaneous Products .....	113	771	507	22	40	1,453	109	441	2,499
<b>Total .....</b>	<b>31,916</b>	<b>103,223</b>	<b>87,608</b>	<b>14,735</b>	<b>2,888</b>	<b>240,370</b>	<b>18,118</b>	<b>93,560</b>	<b>612,669</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-863	-9,721	-7,146	27	239	-17,464	-727	-5,539	-31,441

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	560	-42	518	467	-369	-37	61
Natural Gas Liquids .....	88	-42	46	-419	-524	-250	-1,193
Ethane .....	-	-	-	-	-	-	-
Propane .....	480	24	504	1,494	273	373	2,140
Normal Butane .....	-356	-47	-403	-1,885	-749	-584	-3,218
Isobutane .....	-36	-19	-55	-28	-48	-39	-115
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	472	-	472	886	155	213	1,254
Ethylene .....	12	-	12	-	-	-	-
Propylene .....	490	-	490	897	155	215	1,267
Butylene .....	-30	-	-30	-11	-	-2	-13
Isobutylene .....	-	-	-	-	-	-	-
Finished Motor Gasoline .....	91,078	7,237	98,315	51,506	11,234	16,424	79,164
Reformulated .....	39,122	66	39,188	8,367	1,606	1,082	11,055
Reformulated Blended with Fuel Ethanol .....	39,122	66	39,188	8,367	1,606	1,082	11,055
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	51,956	7,171	59,127	43,139	9,628	15,342	68,109
Conventional Blended with Fuel Ethanol .....	54,211	7,142	61,353	39,648	9,577	14,052	63,277
Ed55 and Lower .....	54,172	7,142	61,314	39,637	9,549	13,985	63,171
Greater than Ed55 .....	39	-	39	11	28	67	106
Conventional Other .....	-2,255	29	-2,226	3,491	51	1,290	4,832
Finished Aviation Gasoline .....	-	-	-	-	22	-	22
Kerosene-Type Jet Fuel .....	3,060	-	3,060	6,292	883	1,043	8,218
Kerosene .....	129	7	136	269	-	105	374
Distillate Fuel Oil .....	6,891	721	7,612	19,250	5,360	9,991	34,601
15 ppm sulfur and under .....	6,925	627	7,552	19,043	5,360	9,939	34,342
Greater than 15 ppm to 500 ppm sulfur .....	-111	51	-60	-	-	127	127
Greater than 500 ppm sulfur .....	77	43	120	207	-	-75	132
Residual Fuel Oil .....	642	11	653	1,453	235	89	1,777
Less than 0.31 percent sulfur .....	-36	10	-26	76	-	-	76
0.31 to 1.00 percent sulfur .....	410	1	411	161	156	-	317
Greater than 1.00 percent sulfur .....	268	-	268	1,216	79	89	1,384
Petrochemical Feedstocks .....	-	-	-	957	-	31	988
Naphtha for Petro. Feed. Use .....	-	-	-	614	-	-	614
Other Oils for Petro. Feed. Use .....	-	-	-	343	-	31	374
Special Naphthas .....	-	20	20	-29	-	36	7
Lubricants .....	195	209	404	-	-	2	2
Waxes .....	-	15	15	-	-	-1	-1
Petroleum Coke .....	858	18	876	3,937	951	793	5,681
Marketable .....	363	-	363	2,876	784	597	4,257
Catalyst .....	495	18	513	1,061	167	196	1,424
Asphalt and Road Oil .....	388	618	1,006	2,584	1,061	197	3,842
Still Gas .....	984	46	1,030	2,536	614	1,045	4,195
Miscellaneous Products .....	59	23	82	333	152	41	526
<b>Total .....</b>	<b>104,844</b>	<b>8,883</b>	<b>113,727</b>	<b>89,555</b>	<b>20,143</b>	<b>29,759</b>	<b>139,457</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,462	0	-1,462	-4,943	-1,177	-1,331	-7,451

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	476	3,603	3,914	-17	-15	7,961	94	-465	8,169
Natural Gas Liquids .....	63	286	1,317	-54	-17	1,595	61	-627	-118
Ethane .....	1	128	25	-	-	154	-	-	154
Propane .....	263	2,227	2,274	9	38	4,811	276	1,087	8,818
Normal Butane .....	-264	-1,384	-1,007	-63	-54	-2,772	-171	-1,858	-8,422
Isobutane .....	63	-685	25	-	-1	-598	-44	144	-668
Natural Gasoline .....	-	-	-	-	-	-	-	-	-
Refinery Olefins .....	413	3,317	2,597	37	2	6,366	33	162	8,287
Ethylene .....	-	-	-	-	-	-	-	-	12
Propylene .....	422	3,537	2,690	37	-	6,686	1	170	8,614
Butylene .....	-9	-184	-93	-	2	-284	32	-8	-303
Isobutylene .....	-	-36	-	-	-	-36	-	-	-36
Finished Motor Gasoline .....	20,190	26,045	18,008	9,092	1,553	74,888	8,888	45,611	306,866
Reformulated .....	7,178	6,471	-	-	-	13,649	-	32,234	96,126
Reformulated Blended with Fuel Ethanol .....	7,178	6,471	-	-	-	13,649	-	32,234	96,126
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	13,012	19,574	18,008	9,092	1,553	61,239	8,888	13,377	210,740
Conventional Blended with Fuel Ethanol .....	13,023	1,522	4,886	9,831	1,537	30,799	8,241	13,595	177,265
Ed55 and Lower .....	13,002	1,522	4,886	9,819	1,536	30,765	8,228	13,580	177,058
Greater than Ed55 .....	21	-	-	12	1	34	13	15	207
Conventional Other .....	-11	18,052	13,122	-739	16	30,440	647	-218	33,475
Finished Aviation Gasoline .....	64	121	74	-	-	259	5	97	383
Kerosene-Type Jet Fuel .....	1,465	14,240	13,450	151	0	29,306	867	13,553	55,004
Kerosene .....	14	102	-13	32	-	135	-	26	671
Distillate Fuel Oil .....	7,214	43,750	35,743	2,657	1,392	90,756	6,231	17,733	156,933
15 ppm sulfur and under .....	7,219	41,724	28,638	2,540	1,392	81,513	6,150	16,945	146,502
Greater than 15 ppm to 500 ppm sulfur .....	-5	-103	2,998	120	-	3,010	28	260	3,365
Greater than 500 ppm sulfur .....	-	2,129	4,107	-3	-	6,233	53	528	7,066
Residual Fuel Oil .....	355	1,178	2,545	3	78	4,159	382	2,438	9,409
Less than 0.31 percent sulfur .....	278	-	940	-	-	1,218	187	6	1,461
0.31 to 1.00 percent sulfur .....	-	85	259	3	-	347	40	446	1,561
Greater than 1.00 percent sulfur .....	77	1,093	1,346	-	78	2,594	155	1,986	6,387
Petrochemical Feedstocks .....	128	4,589	2,977	1	-	7,695	-	1	8,684
Naphtha for Petro. Feed. Use .....	118	2,748	1,637	1	-	4,504	-	1	5,119
Other Oils for Petro. Feed. Use .....	10	1,841	1,340	-	-	3,191	-	-	3,565
Special Naphthas .....	67	719	-	231	-	1,017	-	34	1,078
Lubricants .....	19	1,522	1,535	799	-	3,875	-	513	4,794
Waxes .....	-	37	33	12	-	82	-	-	96
Petroleum Coke .....	359	7,625	5,846	170	31	14,031	775	4,597	25,960
Marketable .....	128	5,571	4,461	154	-	10,314	549	3,573	19,056
Catalyst .....	231	2,054	1,385	16	31	3,717	226	1,024	6,904
Asphalt and Road Oil .....	205	29	879	953	65	2,131	1,075	801	8,855
Still Gas .....	681	6,035	4,058	240	99	11,113	627	3,271	20,236
Miscellaneous Products .....	108	915	522	19	37	1,601	89	412	2,710
<b>Total .....</b>	<b>31,345</b>	<b>110,510</b>	<b>89,571</b>	<b>14,343</b>	<b>3,240</b>	<b>249,009</b>	<b>19,033</b>	<b>88,622</b>	<b>609,848</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-745	-10,090	-7,576	-19	-81	-18,511	-849	-5,663	-33,936

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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 17. Refinery and Blender Net Production of Finished 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
Hydrocarbon Gas Liquids .....	537	-38	499	1,437	-288	-228	921
Natural Gas Liquids .....	66	-38	28	526	-434	-403	-311
Ethane .....	-	-	-	-	-	-	-
Propane .....	507	27	534	1,674	292	468	2,434
Normal Butane .....	-418	-43	-461	-1,027	-664	-814	-2,505
Isobutane .....	-23	-22	-45	-121	-62	-57	-240
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	471	-	471	911	146	175	1,232
Ethylene .....	15	-	15	-	-	-	-
Propylene .....	497	-	497	903	146	177	1,226
Butylene .....	-48	-	-48	8	-	-2	6
Isobutylene .....	7	-	7	-	-	-	-
Finished Motor Gasoline .....	90,928	7,400	98,328	51,221	10,957	16,654	78,832
Reformulated .....	39,281	82	39,363	8,357	1,633	1,119	11,109
Reformulated Blended with Fuel Ethanol .....	39,281	82	39,363	8,357	1,633	1,119	11,109
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	51,647	7,318	58,965	42,864	9,324	15,535	67,723
Conventional Blended with Fuel Ethanol .....	54,574	7,276	61,850	39,780	9,304	14,076	63,160
Ed55 and Lower .....	54,539	7,276	61,815	39,769	9,277	14,010	63,056
Greater than Ed55 .....	35	-	35	11	27	66	104
Conventional Other .....	-2,927	42	-2,885	3,084	20	1,459	4,563
Finished Aviation Gasoline .....	-	-	-	-	19	-	19
Kerosene-Type Jet Fuel .....	3,158	-	3,158	6,671	943	629	8,243
Kerosene .....	61	9	70	402	-	167	569
Distillate Fuel Oil .....	7,110	932	8,042	19,957	5,305	10,926	36,188
15 ppm sulfur and under .....	6,888	759	7,647	20,174	5,301	10,851	36,326
Greater than 15 ppm to 500 ppm sulfur .....	353	124	477	-	-	115	115
Greater than 500 ppm sulfur .....	-131	49	-82	-217	4	-40	-253
Residual Fuel Oil .....	727	4	731	1,094	238	124	1,456
Less than 0.31 percent sulfur .....	-75	3	-72	84	-	-	84
0.31 to 1.00 percent sulfur .....	527	1	528	188	151	-	339
Greater than 1.00 percent sulfur .....	275	-	275	822	87	124	1,033
Petrochemical Feedstocks .....	-	-	-	907	-	32	939
Naphtha for Petro. Feed. Use .....	-	-	-	554	-	-	554
Other Oils for Petro. Feed. Use .....	-	-	-	353	-	32	385
Special Naphthas .....	-	0	0	-37	-	11	-26
Lubricants .....	224	185	409	-	-	198	198
Waxes .....	-	6	6	-	-	26	26
Petroleum Coke .....	929	19	948	4,406	1,000	956	6,362
Marketable .....	409	-	409	3,309	814	728	4,851
Catalyst .....	520	19	539	1,097	186	228	1,511
Asphalt and Road Oil .....	279	693	972	2,826	1,153	191	4,170
Still Gas .....	994	50	1,044	2,730	656	1,111	4,497
Miscellaneous Products .....	64	24	88	321	119	55	495
<b>Total .....</b>	<b>105,011</b>	<b>9,284</b>	<b>114,295</b>	<b>91,935</b>	<b>20,102</b>	<b>30,852</b>	<b>142,889</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,486	4	-1,482	-5,012	-1,186	-1,330	-7,528

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished 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			
Hydrocarbon Gas Liquids .....	427	4,507	4,791	-29	0	9,696	44	-375	10,785
Natural Gas Liquids .....	14	1,293	1,961	-64	-11	3,193	-15	-596	2,299
Ethane .....	1	118	27	-	-	146	-	-	146
Propane .....	300	2,703	2,349	12	41	5,405	283	1,134	9,790
Normal Butane .....	-238	-875	-491	-76	-49	-1,729	-257	-1,708	-6,660
Isobutane .....	-49	-653	76	-	-3	-629	-41	-22	-977
Natural Gasoline .....	-	-	-	-	-	-	-	-	-
Refinery Olefins .....	413	3,214	2,830	35	11	6,503	59	221	8,486
Ethylene .....	-	-	-	-	-	-	-	-	15
Propylene .....	414	3,407	2,881	35	-	6,737	3	224	8,687
Butylene .....	-1	-153	-57	-	11	-200	56	-3	-189
Isobutylene .....	-	-40	6	-	-	-34	-	-	-27
Finished Motor Gasoline .....	20,679	26,809	17,781	9,219	1,628	76,116	9,237	47,230	309,743
Reformulated .....	7,192	6,503	-	-	-	13,695	-	32,740	96,907
Reformulated Blended with Fuel Ethanol .....	7,192	6,503	-	-	-	13,695	-	32,740	96,907
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	13,487	20,306	17,781	9,219	1,628	62,421	9,237	14,490	212,836
Conventional Blended with Fuel Ethanol .....	13,307	1,535	4,933	9,953	1,588	31,316	8,652	13,923	178,901
Ed55 and Lower .....	13,286	1,535	4,933	9,941	1,588	31,283	8,638	13,902	178,694
Greater than Ed55 .....	21	-	-	12	-	33	14	21	207
Conventional Other .....	180	18,771	12,848	-734	40	31,105	585	567	33,935
Finished Aviation Gasoline .....	85	140	144	-	-	369	2	1	391
Kerosene-Type Jet Fuel .....	1,513	15,701	13,599	170	0	30,983	1,005	15,202	58,591
Kerosene .....	12	37	13	29	-	91	-	19	749
Distillate Fuel Oil .....	7,518	45,140	39,058	2,499	1,322	95,537	6,950	17,875	164,592
15 ppm sulfur and under .....	7,497	43,318	31,682	2,411	1,322	86,230	6,934	16,539	153,676
Greater than 15 ppm to 500 ppm sulfur .....	21	81	3,113	96	-	3,311	85	474	4,462
Greater than 500 ppm sulfur .....	-	1,741	4,263	-8	-	5,996	-69	862	6,454
Residual Fuel Oil .....	385	-132	2,311	17	83	2,664	403	2,468	7,722
Less than 0.31 percent sulfur .....	300	-	934	-	-	1,234	212	7	1,465
0.31 to 1.00 percent sulfur .....	-	38	388	17	-	443	38	353	1,701
Greater than 1.00 percent sulfur .....	85	-170	989	-	83	987	153	2,108	4,556
Petrochemical Feedstocks .....	118	6,438	2,740	-	-	9,296	-	1	10,236
Naphtha for Petro. Feed. Use .....	107	4,403	1,702	-	-	6,212	-	1	6,767
Other Oils for Petro. Feed. Use .....	11	2,035	1,038	-	-	3,084	-	-	3,469
Special Naphthas .....	81	734	-	197	-	1,012	-	23	1,009
Lubricants .....	20	1,696	1,645	887	-	4,248	-	527	5,382
Waxes .....	-	43	38	19	-	100	-	-	132
Petroleum Coke .....	449	8,479	5,992	176	31	15,127	844	5,087	28,368
Marketable .....	216	6,387	4,674	161	-	11,438	611	4,056	21,365
Catalyst .....	233	2,092	1,318	15	31	3,689	233	1,031	7,003
Asphalt and Road Oil .....	234	554	247	972	56	2,063	1,255	765	9,225
Still Gas .....	726	6,465	4,380	260	95	11,926	711	3,623	21,801
Miscellaneous Products .....	122	1,018	572	21	25	1,758	115	506	2,962
<b>Total .....</b>	<b>32,369</b>	<b>117,629</b>	<b>93,311</b>	<b>14,437</b>	<b>3,240</b>	<b>260,986</b>	<b>20,566</b>	<b>92,952</b>	<b>631,688</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,011	-10,583	-7,937	-15	-99	-19,645	-843	-5,638	-35,136

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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."