

Table 19. Refinery 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	655	1,222	1,877	6,380	1,520	3,007	10,907
Reformulated	655	-	655	-	-	-	-
Reformulated Blended with Fuel Ethanol	655	-	655	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,222	1,222	6,380	1,520	3,007	10,907
Conventional Blended with Fuel Ethanol	-	1,158	1,158	1,651	1,178	1,091	3,920
Ed55 and Lower	-	1,158	1,158	1,651	1,178	1,091	3,920
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	64	64	4,729	342	1,916	6,987
Finished Aviation Gasoline	-	-	-	-	31	-	31
Kerosene-Type Jet Fuel	3,168	-	3,168	6,369	724	937	8,030
Kerosene	124	3	127	310	-	8	318
Distillate Fuel Oil	9,427	822	10,249	20,655	5,364	11,039	37,058
15 ppm sulfur and under	7,962	693	8,655	20,470	5,346	10,951	36,767
Greater than 15 ppm to 500 ppm sulfur	290	84	374	-	-	38	38
Greater than 500 ppm sulfur	1,175	45	1,220	185	18	50	253
Residual Fuel Oil	1,345	3	1,348	1,286	102	94	1,482
Less than 0.31 percent sulfur	434	3	437	66	-	-	66
0.31 to 1.00 percent sulfur	286	-	286	133	70	-	203
Greater than 1.00 percent sulfur	625	-	625	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	2,443	1,379	202	4,024
Still Gas	1,313	56	1,369	2,692	659	1,070	4,421
Miscellaneous Products	70	25	95	320	111	58	489
Total	18,297	2,999	21,296	46,684	10,527	17,310	74,521
Processing Gain(-) or Loss(+) ¹	-1,605	46	-1,559	-4,799	-1,256	-1,266	-7,321

See footnotes at end of table.

Table 19. Refinery 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	2,482	17,389	14,065	361	849	35,146	4,851	3,016	55,797
Reformulated	-	-	-	-	-	-	-	562	1,217
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	562	1,217
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,482	17,389	14,065	361	849	35,146	4,851	2,454	54,580
Conventional Blended with Fuel Ethanol	2,203	448	1,714	294	560	5,219	2,918	338	13,553
Ed55 and Lower	2,199	448	1,714	294	560	5,215	2,918	338	13,549
Greater than Ed55	4	-	-	-	-	4	-	-	4
Conventional Other	279	16,941	12,351	67	289	29,927	1,933	2,116	41,027
Finished Aviation Gasoline	45	102	108	-	-	255	3	-	289
Kerosene-Type Jet Fuel	1,414	14,559	12,450	97	-	28,520	892	14,303	54,913
Kerosene	-26	-1	72	48	-	93	-	0	538
Distillate Fuel Oil	5,916	42,356	37,151	2,494	1,602	89,519	6,648	18,194	161,668
15 ppm sulfur and under	5,940	39,883	30,184	2,345	1,602	79,954	6,644	17,470	149,490
Greater than 15 ppm to 500 ppm sulfur	-24	229	3,392	100	-	3,697	37	323	4,469
Greater than 500 ppm sulfur	-	2,244	3,575	49	-	5,868	-33	401	7,709
Residual Fuel Oil	381	1,353	3,422	-9	80	5,227	394	3,845	12,296
Less than 0.31 percent sulfur	263	30	1,012	-	-	1,305	198	-	2,006
0.31 to 1.00 percent sulfur	-	61	488	-9	-	540	36	282	1,347
Greater than 1.00 percent sulfur	118	1,262	1,922	-	80	3,382	160	3,563	8,943
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	9,038
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
Total	12,312	102,711	88,041	5,295	2,779	211,138	15,617	49,345	371,917
Processing Gain(-) or Loss(+) ¹	-671	-10,293	-7,324	27	-226	-18,487	-868	-6,150	-34,385

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	526	1,073	1,599	6,089	1,500	2,282	9,871
Reformulated	526	-	526	-	-	-	-
Reformulated Blended with Fuel Ethanol	526	-	526	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,073	1,073	6,089	1,500	2,282	9,871
Conventional Blended with Fuel Ethanol	-	1,001	1,001	1,558	1,152	973	3,683
Ed55 and Lower	-	1,001	1,001	1,558	1,152	973	3,683
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	72	72	4,531	348	1,309	6,188
Finished Aviation Gasoline	-	-	-	-	55	-	55
Kerosene-Type Jet Fuel	2,370	-	2,370	5,290	829	715	6,834
Kerosene	-57	-	-57	89	-	32	121
Distillate Fuel Oil	5,239	710	5,949	17,006	4,430	8,541	29,977
15 ppm sulfur and under	4,740	597	5,337	17,134	4,435	8,668	30,237
Greater than 15 ppm to 500 ppm sulfur	258	83	341	-	-	-45	-45
Greater than 500 ppm sulfur	241	30	271	-128	-5	-82	-215
Residual Fuel Oil	977	2	979	931	161	99	1,191
Less than 0.31 percent sulfur	289	1	290	54	-	-	54
0.31 to 1.00 percent sulfur	338	1	339	155	84	-	239
Greater than 1.00 percent sulfur	350	-	350	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	1,868	848	121	2,837
Still Gas	1,051	56	1,107	2,282	601	879	3,762
Miscellaneous Products	46	18	64	260	103	50	413
Total	11,671	2,566	14,237	38,853	9,262	13,851	61,966
Processing Gain(-) or Loss(+) ¹	-857	10	-847	-3,684	-1,160	-1,103	-5,947

See footnotes at end of table.

Table 19. Refinery 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	1,939	13,412	11,661	504	692	28,208	4,137	1,952	45,767
Reformulated	—	—	—	—	—	—	—	502	1,028
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	502	1,028
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,939	13,412	11,661	504	692	28,208	4,137	1,450	44,739
Conventional Blended with Fuel Ethanol	1,704	424	1,598	394	443	4,563	2,517	260	12,024
Ed55 and Lower	1,701	424	1,598	394	443	4,560	2,517	260	12,021
Greater than Ed55	3	—	—	—	—	3	—	—	3
Conventional Other	235	12,988	10,063	110	249	23,645	1,620	1,190	32,715
Finished Aviation Gasoline	68	62	153	—	—	283	—	—	338
Kerosene-Type Jet Fuel	1,369	13,107	10,964	143	—	25,583	822	11,788	47,397
Kerosene	6	38	4	19	—	67	—	0	131
Distillate Fuel Oil	5,876	36,362	32,518	2,160	1,457	78,373	5,790	16,189	136,278
15 ppm sulfur and under	5,879	33,760	26,687	1,968	1,457	69,751	5,746	15,360	126,431
Greater than 15 ppm to 500 ppm sulfur	-3	286	2,898	137	—	3,318	23	273	3,910
Greater than 500 ppm sulfur	—	2,316	2,933	55	—	5,304	21	556	5,937
Residual Fuel Oil	300	764	2,378	-31	59	3,470	354	2,697	8,691
Less than 0.31 percent sulfur	224	41	836	—	—	1,101	188	—	1,633
0.31 to 1.00 percent sulfur	—	63	329	-31	—	361	28	224	1,191
Greater than 1.00 percent sulfur	76	660	1,213	—	59	2,008	138	2,473	5,867
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	761	778	61	2,168	987	522	7,336
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
Total	11,644	87,271	76,150	5,002	2,487	182,554	13,603	42,063	314,423
Processing Gain(-) or Loss(+) ¹	-883	-8,443	-6,640	49	-108	-16,025	-681	-4,707	-28,207

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	599	1,320	1,919	7,068	1,830	2,351	11,249
Reformulated	599	-	599	-	-	-	-
Reformulated Blended with Fuel Ethanol	599	-	599	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,320	1,320	7,068	1,830	2,351	11,249
Conventional Blended with Fuel Ethanol	-	1,245	1,245	2,128	1,299	1,129	4,556
Ed55 and Lower	-	1,245	1,245	2,128	1,299	1,129	4,556
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	75	75	4,940	531	1,222	6,693
Finished Aviation Gasoline	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel	2,454	-	2,454	6,032	962	810	7,804
Kerosene	-18	-	-18	106	-	-	106
Distillate Fuel Oil	7,331	834	8,165	19,623	5,097	7,568	32,288
15 ppm sulfur and under	6,580	735	7,315	19,606	5,069	7,428	32,103
Greater than 15 ppm to 500 ppm sulfur	37	65	102	-	-	122	122
Greater than 500 ppm sulfur	714	34	748	17	28	18	63
Residual Fuel Oil	1,556	5	1,561	1,054	175	70	1,299
Less than 0.31 percent sulfur	622	4	626	68	-	-	68
0.31 to 1.00 percent sulfur	565	1	566	138	86	-	224
Greater than 1.00 percent sulfur	369	-	369	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	2,654	1,173	177	4,004
Still Gas	1,361	62	1,423	2,659	651	821	4,131
Miscellaneous Products	38	21	59	327	123	33	483
Total	15,302	3,174	18,476	46,794	11,145	13,089	71,028
Processing Gain(-) or Loss(+) ¹	-1,260	2	-1,258	-4,693	-1,301	-944	-6,938

See footnotes at end of table.

Table 19. Refinery 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	2,345	15,706	10,650	435	646	29,782	4,436	3,219	50,605
Reformulated	-	-	-	-	-	-	-	504	1,103
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	504	1,103
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,345	15,706	10,650	435	646	29,782	4,436	2,715	49,502
Conventional Blended with Fuel Ethanol	2,141	502	1,913	362	443	5,361	2,675	323	14,160
Ed55 and Lower	2,139	502	1,913	362	443	5,359	2,675	323	14,158
Greater than Ed55	2	-	-	-	-	2	-	-	2
Conventional Other	204	15,204	8,737	73	203	24,421	1,761	2,392	35,342
Finished Aviation Gasoline	93	144	77	-	-	314	9	-1	352
Kerosene-Type Jet Fuel	1,373	14,133	12,399	145	-	28,050	1,077	14,167	53,552
Kerosene	14	57	-73	17	-	15	-	1	104
Distillate Fuel Oil	6,530	40,996	37,032	1,383	1,681	87,622	6,401	18,509	152,985
15 ppm sulfur and under	6,524	38,185	30,571	1,282	1,681	78,243	6,326	17,758	141,745
Greater than 15 ppm to 500 ppm sulfur	6	325	2,839	102	-	3,272	68	311	3,875
Greater than 500 ppm sulfur	-	2,486	3,622	-1	-	6,107	7	440	7,365
Residual Fuel Oil	244	1,157	2,963	-56	75	4,383	392	3,308	10,943
Less than 0.31 percent sulfur	197	24	934	-	-	1,155	191	-	2,040
0.31 to 1.00 percent sulfur	-	75	297	-56	-	316	31	190	1,327
Greater than 1.00 percent sulfur	47	1,058	1,732	-	75	2,912	170	3,118	7,576
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	9,326
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
Total	12,775	100,293	83,948	4,071	2,711	203,798	15,028	51,245	359,575
Processing Gain(-) or Loss(+) ¹	-785	-9,471	-7,242	263	-101	-17,336	-756	-5,934	-32,222

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	550	1,238	1,788	6,612	1,922	2,449	10,983
Reformulated	550	-	550	-	-	-	-
Reformulated Blended with Fuel Ethanol	550	-	550	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,238	1,238	6,612	1,922	2,449	10,983
Conventional Blended with Fuel Ethanol	-	1,194	1,194	1,833	1,527	1,200	4,560
Ed55 and Lower	-	1,194	1,194	1,833	1,527	1,200	4,560
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	44	44	4,779	395	1,249	6,423
Finished Aviation Gasoline	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel	2,625	-	2,625	6,740	886	956	8,582
Kerosene	68	-	68	38	-	7	45
Distillate Fuel Oil	8,215	782	8,997	19,064	5,039	9,051	33,154
15 ppm sulfur and under	7,948	686	8,634	19,251	4,975	9,044	33,270
Greater than 15 ppm to 500 ppm sulfur	160	81	241	-9	-	-5	-14
Greater than 500 ppm sulfur	107	15	122	-178	64	12	-102
Residual Fuel Oil	1,258	6	1,264	812	193	125	1,130
Less than 0.31 percent sulfur	527	5	532	3	-	-	3
0.31 to 1.00 percent sulfur	405	1	406	117	79	-	196
Greater than 1.00 percent sulfur	326	-	326	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	2,439	839	304	3,582
Still Gas	1,394	55	1,449	2,562	620	961	4,143
Miscellaneous Products	36	27	63	275	113	27	415
Total	16,930	3,077	20,007	47,415	10,959	15,524	73,898
Processing Gain(-) or Loss(+) ¹	-1,655	36	-1,619	-4,035	-1,172	-973	-6,180

See footnotes at end of table.

Table 19. Refinery 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	2,382	10,223	10,599	409	715	24,328	4,239	2,236	43,574
Reformulated	—	—	—	—	—	—	—	483	1,033
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	483	1,033
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,382	10,223	10,599	409	715	24,328	4,239	1,753	42,541
Conventional Blended with Fuel Ethanol	2,165	502	1,848	360	522	5,397	2,566	330	14,047
Ed55 and Lower	2,163	502	1,848	360	522	5,395	2,566	330	14,045
Greater than Ed55	2	—	—	—	—	2	—	—	2
Conventional Other	217	9,721	8,751	49	193	18,931	1,673	1,423	28,494
Finished Aviation Gasoline	83	126	132	—	—	341	2	87	460
Kerosene-Type Jet Fuel	1,573	13,733	12,527	215	—	28,048	884	11,660	51,799
Kerosene	0	59	41	1	—	101	—	1	215
Distillate Fuel Oil	6,178	40,223	37,342	1,412	1,771	86,926	5,837	15,652	150,566
15 ppm sulfur and under	6,158	38,415	30,461	1,206	1,771	78,011	5,804	14,846	140,565
Greater than 15 ppm to 500 ppm sulfur	20	331	2,600	98	—	3,049	50	351	3,677
Greater than 500 ppm sulfur	—	1,477	4,281	108	—	5,866	-17	455	6,324
Residual Fuel Oil	298	2,169	2,977	-8	134	5,570	345	3,535	11,844
Less than 0.31 percent sulfur	219	15	828	—	—	1,062	166	—	1,763
0.31 to 1.00 percent sulfur	—	154	447	-8	—	593	28	312	1,535
Greater than 1.00 percent sulfur	79	2,000	1,702	—	134	3,915	151	3,223	8,546
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	729	856	47	2,474	746	749	8,693
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
Total	13,014	95,878	85,189	4,419	2,869	201,369	13,684	44,130	353,088
Processing Gain(-) or Loss(+) ¹	-977	-10,205	-7,160	-45	-99	-18,486	-557	-5,136	-31,978

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	684	1,181	1,865	6,237	2,230	2,836	11,303
Reformulated	684	-	684	-	-	-	-
Reformulated Blended with Fuel Ethanol	684	-	684	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,181	1,181	6,237	2,230	2,836	11,303
Conventional Blended with Fuel Ethanol	-	1,133	1,133	1,450	1,585	1,269	4,304
Ed55 and Lower	-	1,133	1,133	1,450	1,585	1,269	4,304
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	48	48	4,787	645	1,567	6,999
Finished Aviation Gasoline	-	-	-	-	59	-	59
Kerosene-Type Jet Fuel	3,279	-	3,279	6,232	961	848	8,041
Kerosene	56	-	56	35	-	-	35
Distillate Fuel Oil	9,665	800	10,465	17,823	4,775	10,373	32,971
15 ppm sulfur and under	9,301	733	10,034	17,813	4,872	10,304	32,989
Greater than 15 ppm to 500 ppm sulfur	-80	50	-30	-67	-	54	-13
Greater than 500 ppm sulfur	444	17	461	77	-97	15	-5
Residual Fuel Oil	1,042	10	1,052	879	199	137	1,215
Less than 0.31 percent sulfur	140	9	149	129	-	-	129
0.31 to 1.00 percent sulfur	317	1	318	15	76	-	91
Greater than 1.00 percent sulfur	585	-	585	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	2,193	1,099	283	3,575
Still Gas	1,395	53	1,448	2,438	617	1,080	4,135
Miscellaneous Products	47	24	71	256	115	43	414
Total	19,539	3,057	22,596	44,875	11,483	17,489	73,847
Processing Gain(-) or Loss(+) ¹	-1,674	39	-1,635	-3,796	-1,290	-864	-5,950

See footnotes at end of table.

Table 19. Refinery 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	2,695	11,405	10,567	530	664	25,861	4,795	2,777	46,601
Reformulated	—	—	—	—	—	—	—	595	1,279
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	595	1,279
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,695	11,405	10,567	530	664	25,861	4,795	2,182	45,322
Conventional Blended with Fuel Ethanol	2,364	519	1,945	463	545	5,836	2,846	329	14,448
Ed55 and Lower	2,363	519	1,945	463	545	5,835	2,846	329	14,447
Greater than Ed55	1	—	—	—	—	1	—	—	1
Conventional Other	331	10,886	8,622	67	119	20,025	1,949	1,853	30,874
Finished Aviation Gasoline	89	72	93	—	—	254	6	—	319
Kerosene-Type Jet Fuel	1,494	13,515	12,834	203	—	28,046	940	13,217	53,523
Kerosene	-3	59	43	2	—	101	—	0	192
Distillate Fuel Oil	6,998	42,639	39,301	2,479	1,761	93,178	7,178	16,617	160,409
15 ppm sulfur and under	7,004	40,432	32,836	2,355	1,761	84,388	7,112	15,828	150,351
Greater than 15 ppm to 500 ppm sulfur	-6	270	2,995	96	—	3,355	62	348	3,722
Greater than 500 ppm sulfur	—	1,937	3,470	28	—	5,435	4	441	6,336
Residual Fuel Oil	324	2,131	3,066	-1	164	5,684	353	3,339	11,643
Less than 0.31 percent sulfur	247	36	862	—	—	1,145	148	—	1,571
0.31 to 1.00 percent sulfur	—	52	588	-1	—	639	38	380	1,466
Greater than 1.00 percent sulfur	77	2,043	1,616	—	164	3,900	167	2,959	8,606
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	768	1,018	22	2,630	1,289	814	9,400
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
Total	14,415	99,551	88,956	5,887	2,823	211,632	16,693	47,407	372,175
Processing Gain(-) or Loss(+) ¹	-1,045	-9,932	-8,173	-50	-77	-19,277	-898	-5,217	-32,977

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	680	849	1,529	6,442	2,398	2,640	11,480
Reformulated	680	-	680	-	-	-	-
Reformulated Blended with Fuel Ethanol	680	-	680	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	849	849	6,442	2,398	2,640	11,480
Conventional Blended with Fuel Ethanol	-	770	770	1,493	1,661	1,167	4,321
Ed55 and Lower	-	770	770	1,493	1,661	1,167	4,321
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	79	79	4,949	737	1,473	7,159
Finished Aviation Gasoline	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel	3,743	-	3,743	6,516	1,084	971	8,571
Kerosene	-30	-	-30	59	-	8	67
Distillate Fuel Oil	8,877	625	9,502	18,958	4,924	10,781	34,663
15 ppm sulfur and under	8,810	524	9,334	18,951	4,924	10,932	34,807
Greater than 15 ppm to 500 ppm sulfur	49	85	134	-23	-	-108	-131
Greater than 500 ppm sulfur	18	16	34	30	-	-43	-13
Residual Fuel Oil	1,153	1	1,154	911	173	118	1,202
Less than 0.31 percent sulfur	-	-	-	78	-	-	78
0.31 to 1.00 percent sulfur	763	1	764	16	75	-	91
Greater than 1.00 percent sulfur	390	-	390	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	2,627	1,094	250	3,971
Still Gas	1,235	39	1,274	2,652	604	1,101	4,357
Miscellaneous Products	51	15	66	275	117	51	443
Total	18,743	2,190	20,933	47,331	11,919	17,773	77,023
Processing Gain(-) or Loss(+) ¹	-1,645	84	-1,561	-3,722	-1,221	-1,458	-6,401

See footnotes at end of table.

Table 19. Refinery 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	2,646	12,014	9,707	471	662	25,500	4,896	2,641	46,046
Reformulated	—	—	—	—	—	—	—	643	1,323
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	643	1,323
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,646	12,014	9,707	471	662	25,500	4,896	1,998	44,723
Conventional Blended with Fuel Ethanol	2,224	513	1,895	429	481	5,542	2,912	351	13,896
Ed55 and Lower	2,223	513	1,895	429	481	5,541	2,912	351	13,895
Greater than Ed55	1	—	—	—	—	1	—	—	1
Conventional Other	422	11,501	7,812	42	181	19,958	1,984	1,647	30,827
Finished Aviation Gasoline	75	70	116	—	—	261	6	101	398
Kerosene-Type Jet Fuel	1,413	13,857	12,752	223	—	28,245	961	14,864	56,384
Kerosene	6	—	-54	—	—	-48	—	0	-11
Distillate Fuel Oil	6,593	44,712	36,883	2,379	1,481	92,048	6,834	16,581	159,628
15 ppm sulfur and under	6,566	42,475	30,024	2,260	1,481	82,806	6,842	15,814	149,603
Greater than 15 ppm to 500 ppm sulfur	27	323	2,936	89	—	3,375	27	334	3,739
Greater than 500 ppm sulfur	—	1,914	3,923	30	—	5,867	-35	433	6,286
Residual Fuel Oil	323	1,502	4,047	-8	182	6,046	360	3,846	12,608
Less than 0.31 percent sulfur	194	36	1,047	—	—	1,277	184	—	1,539
0.31 to 1.00 percent sulfur	—	124	441	-8	—	557	28	395	1,835
Greater than 1.00 percent sulfur	129	1,342	2,559	—	182	4,212	148	3,451	9,234
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	9,808
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
Total	13,800	102,618	84,673	5,494	2,584	209,169	16,614	50,279	374,018
Processing Gain(-) or Loss(+) ¹	-894	-10,312	-7,077	294	-28	-18,017	-758	-5,468	-32,205

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	831	1,295	2,126	6,790	2,599	2,661	12,050
Reformulated	831	-	831	-	-	-	-
Reformulated Blended with Fuel Ethanol	831	-	831	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,295	1,295	6,790	2,599	2,661	12,050
Conventional Blended with Fuel Ethanol	-	1,228	1,228	1,633	1,783	1,248	4,664
Ed55 and Lower	-	1,228	1,228	1,633	1,783	1,248	4,664
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	67	67	5,157	816	1,413	7,386
Finished Aviation Gasoline	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel	3,437	-	3,437	6,863	1,122	1,196	9,181
Kerosene	147	-	147	21	-	11	32
Distillate Fuel Oil	6,442	838	7,280	20,699	5,069	11,035	36,803
15 ppm sulfur and under	6,528	730	7,258	20,626	5,053	11,063	36,742
Greater than 15 ppm to 500 ppm sulfur	-43	84	41	-	-	-3	-3
Greater than 500 ppm sulfur	-43	24	-19	73	16	-25	64
Residual Fuel Oil	1,239	1	1,240	1,183	220	134	1,537
Less than 0.31 percent sulfur	41	-	41	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	4,225	1,226	291	5,742
Still Gas	1,070	53	1,123	2,962	641	1,129	4,732
Miscellaneous Products	62	23	85	342	115	57	514
Total	16,190	3,276	19,466	53,097	12,884	18,504	84,485
Processing Gain(-) or Loss(+) ¹	-1,286	27	-1,259	-4,612	-1,422	-1,212	-7,246

See footnotes at end of table.

Table 19. Refinery 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	2,662	11,903	9,270	446	651	24,932	5,482	2,857	47,447
Reformulated	—	—	—	—	—	—	—	603	1,434
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	603	1,434
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,662	11,903	9,270	446	651	24,932	5,482	2,254	46,013
Conventional Blended with Fuel Ethanol	2,392	530	1,920	422	498	5,762	3,252	301	15,207
Ed55 and Lower	2,391	530	1,920	422	498	5,761	3,252	301	15,206
Greater than Ed55	1	—	—	—	—	1	—	—	1
Conventional Other	270	11,373	7,350	24	153	19,170	2,230	1,953	30,806
Finished Aviation Gasoline	83	62	189	—	—	334	8	100	472
Kerosene-Type Jet Fuel	1,608	15,627	13,234	191	—	30,660	1,082	15,124	59,484
Kerosene	-3	121	24	2	—	144	—	2	325
Distillate Fuel Oil	6,752	44,371	36,741	2,626	1,634	92,124	7,153	18,242	161,602
15 ppm sulfur and under	6,752	42,592	30,875	2,466	1,634	84,319	7,106	17,741	153,166
Greater than 15 ppm to 500 ppm sulfur	—	306	2,108	99	—	2,513	32	308	2,891
Greater than 500 ppm sulfur	—	1,473	3,758	61	—	5,292	15	193	5,545
Residual Fuel Oil	334	1,327	3,982	-25	145	5,763	382	3,164	12,086
Less than 0.31 percent sulfur	247	34	1,173	—	—	1,454	181	—	1,711
0.31 to 1.00 percent sulfur	—	30	638	-25	—	643	35	225	1,982
Greater than 1.00 percent sulfur	87	1,263	2,171	—	145	3,666	166	2,939	8,393
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	743	1,011	45	2,571	1,553	947	12,142
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
Total	14,298	106,432	85,142	5,841	2,716	214,429	17,983	52,330	388,693
Processing Gain(-) or Loss(+) ¹	-1,064	-10,042	-7,573	197	12	-18,470	-918	-5,156	-33,049

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	1,439	1,234	2,673	6,474	2,413	2,681	11,568
Reformulated	1,439	-	1,439	-	-	-	-
Reformulated Blended with Fuel Ethanol	1,439	-	1,439	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,234	1,234	6,474	2,413	2,681	11,568
Conventional Blended with Fuel Ethanol	-	1,165	1,165	1,786	1,619	1,230	4,635
Ed55 and Lower	-	1,165	1,165	1,786	1,619	1,230	4,635
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	69	69	4,688	794	1,451	6,933
Finished Aviation Gasoline	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel	3,419	-	3,419	6,999	1,162	1,110	9,271
Kerosene	143	3	146	-46	-	11	-35
Distillate Fuel Oil	6,422	831	7,253	21,236	5,196	11,309	37,741
15 ppm sulfur and under	6,396	704	7,100	21,304	5,213	11,213	37,730
Greater than 15 ppm to 500 ppm sulfur	-5	104	99	-46	-	81	35
Greater than 500 ppm sulfur	31	23	54	-22	-17	15	-24
Residual Fuel Oil	1,003	10	1,013	1,077	211	107	1,395
Less than 0.31 percent sulfur	133	9	142	111	-	-	111
0.31 to 1.00 percent sulfur	367	1	368	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	3,472	1,187	265	4,924
Still Gas	1,026	50	1,076	2,933	629	1,173	4,735
Miscellaneous Products	54	31	85	350	113	60	523
Total	16,220	3,180	19,400	52,374	12,469	18,665	83,508
Processing Gain(-) or Loss(+) ¹	-1,416	44	-1,372	-4,697	-1,172	-1,212	-7,081

See footnotes at end of table.

Table 19. Refinery 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	2,573	10,788	11,827	468	550	26,206	5,178	2,978	48,603
Reformulated	-	-	-	-	-	-	-	602	2,041
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	602	2,041
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,573	10,788	11,827	468	550	26,206	5,178	2,376	46,562
Conventional Blended with Fuel Ethanol	2,327	496	1,950	462	550	5,785	3,075	319	14,979
Ed55 and Lower	2,326	496	1,950	462	550	5,784	3,075	319	14,978
Greater than Ed55	1	-	-	-	-	1	-	-	1
Conventional Other	246	10,292	9,877	6	-	20,421	2,103	2,057	31,583
Finished Aviation Gasoline	108	111	139	-	-	358	8	-	396
Kerosene-Type Jet Fuel	1,625	15,121	13,776	207	-	30,729	1,033	15,115	59,567
Kerosene	-2	-1	-62	5	-	-60	-	-2	49
Distillate Fuel Oil	6,499	43,728	37,932	2,084	1,712	91,955	7,181	18,245	162,375
15 ppm sulfur and under	6,410	41,504	31,337	1,943	1,712	82,906	7,123	17,429	152,288
Greater than 15 ppm to 500 ppm sulfur	89	294	2,714	102	-	3,199	60	281	3,674
Greater than 500 ppm sulfur	-	1,930	3,881	39	-	5,850	-2	535	6,413
Residual Fuel Oil	356	1,910	3,388	-46	121	5,729	393	3,899	12,429
Less than 0.31 percent sulfur	272	26	1,230	-	-	1,528	180	-	1,961
0.31 to 1.00 percent sulfur	-	53	475	-46	-	482	43	187	1,306
Greater than 1.00 percent sulfur	84	1,831	1,683	-	121	3,719	170	3,712	9,162
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	893	1,087	45	2,896	1,588	1,003	11,680
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
Total	13,838	103,717	89,629	5,299	2,638	215,121	17,719	53,045	388,793
Processing Gain(-) or Loss(+) ¹	-1,038	-10,137	-7,886	10	-10	-19,061	-922	-5,612	-34,048

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	1,407	1,242	2,649	7,020	1,924	2,537	11,481
Reformulated	1,407	-	1,407	-	-	-	-
Reformulated Blended with Fuel Ethanol	1,407	-	1,407	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,242	1,242	7,020	1,924	2,537	11,481
Conventional Blended with Fuel Ethanol	-	1,137	1,137	1,765	1,498	1,130	4,393
Ed55 and Lower	-	1,137	1,137	1,765	1,498	1,130	4,393
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	105	105	5,255	426	1,407	7,088
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	3,066	-	3,066	6,966	919	1,022	8,907
Kerosene	56	7	63	52	-	17	69
Distillate Fuel Oil	6,636	794	7,430	18,887	3,935	10,695	33,517
15 ppm sulfur and under	6,613	680	7,293	18,878	3,934	10,646	33,458
Greater than 15 ppm to 500 ppm sulfur	-	82	82	-23	-	54	31
Greater than 500 ppm sulfur	23	32	55	32	1	-5	28
Residual Fuel Oil	727	9	736	968	149	115	1,232
Less than 0.31 percent sulfur	-45	8	-37	66	-	-	66
0.31 to 1.00 percent sulfur	314	1	315	147	11	-	158
Greater than 1.00 percent sulfur	458	-	458	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	3,630	1,152	344	5,126
Still Gas	961	46	1,007	2,799	436	1,096	4,331
Miscellaneous Products	53	25	78	329	55	48	432
Total	15,137	3,044	18,181	48,235	9,267	17,590	75,092
Processing Gain(-) or Loss(+) ¹	-1,296	37	-1,259	-4,338	-623	-1,246	-6,207

See footnotes at end of table.

Table 19. Refinery 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	2,477	9,819	11,439	506	248	24,489	4,791	2,520	45,930
Reformulated	-	-	-	-	-	-	-	-	567
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	567
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,477	9,819	11,439	506	248	24,489	4,791	1,953	43,956
Conventional Blended with Fuel Ethanol	2,200	471	1,842	463	195	5,171	2,896	326	13,923
Ed55 and Lower	2,198	471	1,842	463	195	5,169	2,896	326	13,921
Greater than Ed55	2	-	-	-	-	2	-	-	2
Conventional Other	277	9,348	9,597	43	53	19,318	1,895	1,627	30,033
Finished Aviation Gasoline	83	78	104	-	-	265	9	-	274
Kerosene-Type Jet Fuel	1,551	13,455	13,007	186	-	28,199	1,051	12,825	54,048
Kerosene	2	30	53	11	-	96	1	0	229
Distillate Fuel Oil	7,196	38,428	36,201	2,270	1,572	85,667	6,365	17,162	150,141
15 ppm sulfur and under	7,222	36,618	29,700	2,180	1,572	77,292	6,362	16,760	141,165
Greater than 15 ppm to 500 ppm sulfur	-26	216	3,029	111	-	3,330	10	25	3,478
Greater than 500 ppm sulfur	-	1,594	3,472	-21	-	5,045	-7	377	5,498
Residual Fuel Oil	422	1,506	2,752	-13	57	4,724	396	4,438	11,526
Less than 0.31 percent sulfur	260	43	867	-	-	1,170	181	-	1,380
0.31 to 1.00 percent sulfur	-	64	505	-13	-	556	46	285	1,360
Greater than 1.00 percent sulfur	162	1,399	1,380	-	57	2,998	169	4,153	8,786
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	688	725	63	2,299	1,148	847	10,492
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
Total	14,128	90,864	83,875	5,195	2,118	196,180	15,703	48,365	353,521
Processing Gain(-) or Loss(+) ¹	-917	-9,218	-7,089	128	-98	-17,194	-873	-4,987	-30,520

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	709	1,400	2,109	7,586	2,146	2,699	12,431
Reformulated	709	-	709	-	-	-	-
Reformulated Blended with Fuel Ethanol	709	-	709	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,400	1,400	7,586	2,146	2,699	12,431
Conventional Blended with Fuel Ethanol	-	1,322	1,322	1,673	1,660	1,214	4,547
Ed55 and Lower	-	1,322	1,322	1,673	1,660	1,214	4,547
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	78	78	5,913	486	1,485	7,884
Finished Aviation Gasoline	-	-	-	-	44	-	44
Kerosene-Type Jet Fuel	2,367	-	2,367	6,337	862	941	8,140
Kerosene	137	-	137	204	-	35	239
Distillate Fuel Oil	6,289	874	7,163	19,363	4,493	9,819	33,675
15 ppm sulfur and under	6,414	761	7,175	19,480	4,499	9,962	33,941
Greater than 15 ppm to 500 ppm sulfur	1	95	96	-	-	-148	-148
Greater than 500 ppm sulfur	-126	18	-108	-117	-6	5	-118
Residual Fuel Oil	685	4	689	1,083	223	63	1,369
Less than 0.31 percent sulfur	48	3	51	56	-	-	56
0.31 to 1.00 percent sulfur	338	1	339	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	3,739	1,092	455	5,286
Still Gas	936	42	978	2,568	532	989	4,089
Miscellaneous Products	62	30	92	294	71	39	404
Total	13,370	3,280	16,650	46,451	10,112	16,275	72,838
Processing Gain(-) or Loss(+) ¹	-1,485	12	-1,473	-4,181	-971	-1,086	-6,238

See footnotes at end of table.

Table 19. Refinery 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	2,505	12,316	13,342	536	293	28,992	4,304	2,951	50,787
Reformulated	-	-	-	-	-	-	-	635	1,344
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	635	1,344
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,505	12,316	13,342	536	293	28,992	4,304	2,316	49,443
Conventional Blended with Fuel Ethanol	2,316	489	1,928	496	293	5,522	2,848	380	14,619
Ed55 and Lower	2,313	489	1,928	496	293	5,519	2,848	380	14,616
Greater than Ed55	3	-	-	-	-	3	-	-	3
Conventional Other	189	11,827	11,414	40	-	23,470	1,456	1,936	34,824
Finished Aviation Gasoline	86	125	152	-	-	363	3	-	410
Kerosene-Type Jet Fuel	1,401	12,739	12,473	211	-	26,824	946	13,244	51,521
Kerosene	9	66	15	28	-	118	-	0	494
Distillate Fuel Oil	6,887	38,888	35,684	2,502	978	84,939	5,238	16,183	147,198
15 ppm sulfur and under	6,989	35,751	29,790	2,393	978	75,901	5,036	15,194	137,247
Greater than 15 ppm to 500 ppm sulfur	-102	368	3,126	116	-	3,508	139	369	3,964
Greater than 500 ppm sulfur	-	2,769	2,768	-7	-	5,530	63	620	5,987
Residual Fuel Oil	379	1,039	2,506	-3	67	3,988	360	4,077	10,483
Less than 0.31 percent sulfur	282	-	956	-	-	1,238	207	-	1,552
0.31 to 1.00 percent sulfur	-	61	337	-3	-	395	36	305	1,255
Greater than 1.00 percent sulfur	97	978	1,213	-	67	2,355	117	3,772	7,676
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	689	693	19	1,812	900	828	9,980
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
Total	13,141	89,855	84,257	5,627	1,505	194,385	13,158	47,200	344,231
Processing Gain(-) or Loss(+) ¹	-862	-9,722	-7,147	29	239	-17,463	-728	-5,540	-31,442

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	676	1,204	1,880	7,004	2,538	2,734	12,276
Reformulated	676	-	676	-	-	-	-
Reformulated Blended with Fuel Ethanol	676	-	676	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,204	1,204	7,004	2,538	2,734	12,276
Conventional Blended with Fuel Ethanol	-	1,145	1,145	1,723	1,810	1,155	4,688
Ed55 and Lower	-	1,145	1,145	1,723	1,810	1,155	4,688
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	59	59	5,281	728	1,579	7,588
Finished Aviation Gasoline	-	-	-	-	22	-	22
Kerosene-Type Jet Fuel	3,060	-	3,060	6,326	883	1,043	8,252
Kerosene	135	7	142	271	-	105	376
Distillate Fuel Oil	6,596	689	7,285	19,134	5,318	9,946	34,398
15 ppm sulfur and under	6,640	595	7,235	18,927	5,318	9,894	34,139
Greater than 15 ppm to 500 ppm sulfur	5	51	56	-	-	32	32
Greater than 500 ppm sulfur	-49	43	-6	207	-	20	227
Residual Fuel Oil	675	11	686	1,453	235	89	1,777
Less than 0.31 percent sulfur	1	10	11	76	-	-	76
0.31 to 1.00 percent sulfur	408	1	409	161	156	-	317
Greater than 1.00 percent sulfur	266	-	266	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	2,261	1,061	197	3,519
Still Gas	984	46	1,030	2,536	614	1,045	4,195
Miscellaneous Products	59	23	82	333	152	41	526
Total	14,186	2,818	17,004	44,650	11,405	16,024	72,079
Processing Gain(-) or Loss(+) ¹	-1,458	0	-1,458	-4,938	-1,178	-1,331	-7,447

See footnotes at end of table.

Table 19. Refinery 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	2,393	14,165	14,963	547	501	32,569	4,466	2,463	53,654
Reformulated	-	-	-	-	-	-	-	579	1,255
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	579	1,255
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,393	14,165	14,963	547	501	32,569	4,466	1,884	52,399
Conventional Blended with Fuel Ethanol	2,186	441	1,850	499	446	5,422	2,630	338	14,223
Ed55 and Lower	2,184	441	1,850	499	446	5,420	2,630	338	14,221
Greater than Ed55	2	-	-	-	-	2	-	-	2
Conventional Other	207	13,724	13,113	48	55	27,147	1,836	1,546	38,176
Finished Aviation Gasoline	64	121	74	-	-	259	5	97	383
Kerosene-Type Jet Fuel	1,465	14,241	13,442	151	-	29,299	820	13,586	55,017
Kerosene	14	102	-15	32	-	133	-	0	651
Distillate Fuel Oil	7,188	43,329	35,705	2,601	1,378	90,201	6,264	17,423	155,571
15 ppm sulfur and under	7,193	40,734	28,648	2,484	1,378	80,437	6,183	16,649	144,643
Greater than 15 ppm to 500 ppm sulfur	-5	334	2,998	120	-	3,447	28	260	3,823
Greater than 500 ppm sulfur	-	2,261	4,059	-3	-	6,317	53	514	7,105
Residual Fuel Oil	355	1,114	2,424	3	78	3,974	382	2,432	9,251
Less than 0.31 percent sulfur	278	-	878	-	-	1,156	187	-	1,430
0.31 to 1.00 percent sulfur	-	85	259	3	-	347	40	446	1,559
Greater than 1.00 percent sulfur	77	1,029	1,287	-	78	2,471	155	1,986	6,262
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	731	953	65	1,983	1,075	801	8,384
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
Total	13,522	98,146	86,209	5,742	2,174	205,793	14,597	45,165	354,638
Processing Gain(-) or Loss(+) ¹	-747	-10,090	-7,576	-20	-81	-18,514	-847	-5,665	-33,931

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 19. Refinery 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	707	1,290	1,997	6,724	2,455	2,992	12,171
Reformulated	707	-	707	-	-	-	-
Reformulated Blended with Fuel Ethanol	707	-	707	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,290	1,290	6,724	2,455	2,992	12,171
Conventional Blended with Fuel Ethanol	-	1,220	1,220	1,836	1,693	1,255	4,784
Ed55 and Lower	-	1,220	1,220	1,836	1,693	1,255	4,784
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	70	70	4,888	762	1,737	7,387
Finished Aviation Gasoline	-	-	-	-	19	-	19
Kerosene-Type Jet Fuel	3,158	-	3,158	6,706	943	629	8,278
Kerosene	68	9	77	403	-	167	570
Distillate Fuel Oil	6,724	888	7,612	19,854	5,282	10,887	36,023
15 ppm sulfur and under	6,517	715	7,232	20,071	5,278	10,812	36,161
Greater than 15 ppm to 500 ppm sulfur	-4	124	120	-	-	19	19
Greater than 500 ppm sulfur	211	49	260	-217	4	56	-157
Residual Fuel Oil	759	4	763	1,094	238	124	1,456
Less than 0.31 percent sulfur	-38	3	-35	84	-	-	84
0.31 to 1.00 percent sulfur	524	1	525	188	151	-	339
Greater than 1.00 percent sulfur	273	-	273	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	2,733	1,153	191	4,077
Still Gas	994	50	1,044	2,730	656	1,111	4,497
Miscellaneous Products	64	24	88	321	119	55	495
Total	14,443	3,130	17,573	47,278	11,577	17,151	76,006
Processing Gain(-) or Loss(+) ¹	-1,485	6	-1,479	-5,017	-1,185	-1,329	-7,531

See footnotes at end of table.

Table 19. Refinery 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	2,653	15,272	14,686	540	454	33,605	4,653	3,201	55,627
Reformulated	-	-	-	-	-	-	-	579	1,286
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	579	1,286
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,653	15,272	14,686	540	454	33,605	4,653	2,622	54,341
Conventional Blended with Fuel Ethanol	2,257	446	1,841	507	367	5,418	2,699	335	14,456
Ed55 and Lower	2,255	446	1,841	507	367	5,416	2,699	335	14,454
Greater than Ed55	2	-	-	-	-	2	-	-	2
Conventional Other	396	14,826	12,845	33	87	28,187	1,954	2,287	39,885
Finished Aviation Gasoline	85	140	144	-	-	369	2	1	391
Kerosene-Type Jet Fuel	1,513	15,710	13,591	170	-	30,984	943	15,226	58,589
Kerosene	12	37	11	29	-	89	-	2	738
Distillate Fuel Oil	7,495	45,027	39,151	2,451	1,307	95,431	7,000	17,582	163,648
15 ppm sulfur and under	7,474	42,838	31,692	2,363	1,307	85,674	6,984	16,267	152,318
Greater than 15 ppm to 500 ppm sulfur	21	531	3,113	96	-	3,761	85	474	4,459
Greater than 500 ppm sulfur	-	1,658	4,346	-8	-	5,996	-69	841	6,871
Residual Fuel Oil	385	-319	2,250	17	83	2,416	403	2,461	7,499
Less than 0.31 percent sulfur	300	-	845	-	-	1,145	212	-	1,406
0.31 to 1.00 percent sulfur	-	38	388	17	-	443	38	353	1,698
Greater than 1.00 percent sulfur	85	-357	1,017	-	83	828	153	2,108	4,395
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	200	972	56	2,016	1,255	765	9,085
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
Total	14,320	105,801	90,191	5,710	2,051	218,073	15,970	48,630	376,252
Processing Gain(-) or Loss(+) ¹	-1,011	-10,583	-7,938	-16	-98	-19,646	-843	-5,639	-35,138

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."