

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2023**  
(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 .....	481	-16	465	932	-193	314	1,053
Natural Gas Liquids .....	181	-16	165	141	-307	130	-36
Ethane .....	-	-	-	-	-	-	-
Propane .....	475	29	504	1,435	298	511	2,244
Normal Butane .....	-268	-28	-296	-1,169	-578	-381	-2,128
Isobutane .....	-26	-17	-43	-125	-27	0	-152
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	300	-	300	791	114	184	1,089
Ethylene .....	11	-	11	-	-	-	-
Propylene .....	264	-	264	784	114	184	1,082
Butylene .....	1	-	1	7	-	-	7
Isobutylene .....	24	-	24	-	-	-	-
Finished Motor Gasoline .....	85,384	6,343	91,727	43,386	9,803	15,595	68,784
Reformulated .....	33,385	44	33,429	7,427	1,434	873	9,734
Reformulated Blended with Fuel Ethanol .....	33,384	44	33,428	7,427	1,434	873	9,734
Reformulated Other .....	1	-	1	-	-	-	-
Conventional .....	51,999	6,299	58,298	35,959	8,369	14,722	59,050
Conventional Blended with Fuel Ethanol .....	52,731	6,295	59,026	35,198	8,339	13,193	56,730
Ed55 and Lower .....	52,662	6,295	58,957	35,176	8,295	13,049	56,520
Greater than Ed55 .....	69	-	69	22	44	144	210
Conventional Other .....	-732	4	-728	761	30	1,529	2,320
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	3,176	-	3,176	5,397	795	1,115	7,307
Kerosene .....	30	2	32	137	-	73	210
Distillate Fuel Oil .....	6,372	786	7,158	19,438	5,799	9,878	35,115
15 ppm sulfur and under .....	6,246	786	7,032	19,351	5,873	9,950	35,174
Greater than 15 ppm to 500 ppm sulfur .....	73	-	73	-	-	132	132
Greater than 500 ppm sulfur .....	53	0	53	87	-74	-204	-191
Residual Fuel Oil .....	888	12	900	616	151	128	895
Less than 0.31 percent sulfur .....	-28	11	-17	22	-	-	22
0.31 to 1.00 percent sulfur .....	666	1	667	343	72	36	451
Greater than 1.00 percent sulfur .....	250	-	250	251	79	92	422
Petrochemical Feedstocks .....	-	12	12	800	-	-	800
Naphtha for Petro. Feed. Use .....	-	-	-	401	-	-	401
Other Oils for Petro. Feed. Use .....	-	12	12	399	-	-	399
Special Naphthas .....	-	-5	-5	-29	-	14	-15
Lubricants .....	206	166	372	-	-	182	182
Waxes .....	-	-28	-28	-	-	40	40
Petroleum Coke .....	660	20	680	3,707	977	849	5,533
Marketable .....	252	-	252	2,763	821	619	4,203
Catalyst .....	408	20	428	944	156	230	1,330
Asphalt and Road Oil .....	370	676	1,046	3,389	1,376	200	4,965
Still Gas .....	786	52	838	2,433	641	1,009	4,083
Miscellaneous Products .....	44	39	83	322	123	40	485
<b>Total .....</b>	<b>98,397</b>	<b>8,059</b>	<b>106,456</b>	<b>80,528</b>	<b>19,472</b>	<b>29,437</b>	<b>129,437</b>
Processing Gain(-) or Loss(+) .....	-1,077	-4	-1,081	-4,449	-1,355	-988	-6,792

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2023**  
(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 .....	200	4,922	4,504	-43	-21	9,562	-11	-171	10,898
Natural Gas Liquids .....	-63	2,160	1,913	-57	-21	3,932	21	-335	3,747
Ethane .....	6	69	31	—	—	106	—	—	106
Propane .....	306	2,296	1,899	13	26	4,540	167	791	8,246
Normal Butane .....	-367	-14	-78	-70	-47	-576	-137	-1,168	-4,305
Isobutane .....	-8	-191	61	—	—	-138	-9	42	-300
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	263	2,762	2,591	14	—	5,630	-32	164	7,151
Ethylene .....	—	3	—	—	—	3	—	—	14
Propylene .....	264	2,939	2,497	14	—	5,714	-9	178	7,229
Butylene .....	-1	-180	94	—	—	-87	-23	-14	-116
Isobutylene .....	—	—	—	—	—	—	—	—	24
Finished Motor Gasoline .....	19,715	23,280	11,575	8,588	1,407	64,565	9,640	42,765	277,481
Reformulated .....	6,868	6,553	—	—	—	13,421	—	29,372	85,956
Reformulated Blended with Fuel Ethanol .....	6,864	6,551	—	—	—	13,415	—	29,372	85,949
Reformulated Other .....	4	2	—	—	—	6	—	—	7
Conventional .....	12,847	16,727	11,575	8,588	1,407	51,144	9,640	13,393	191,525
Conventional Blended with Fuel Ethanol .....	12,489	1,432	4,568	8,989	1,367	28,845	7,854	13,078	165,533
Ed55 and Lower .....	12,478	1,431	4,568	8,969	1,366	28,812	7,826	13,070	165,185
Greater than Ed55 .....	11	1	—	20	1	33	28	8	348
Conventional Other .....	358	15,295	7,007	-401	40	22,299	1,786	315	25,992
Finished Aviation Gasoline .....	47	57	98	—	—	202	3	—	205
Kerosene-Type Jet Fuel .....	1,573	14,936	10,038	123	0	26,670	635	12,528	50,316
Kerosene .....	2	182	1	32	—	217	—	2	461
Distillate Fuel Oil .....	5,633	42,091	33,479	2,504	656	84,363	5,304	13,831	145,771
15 ppm sulfur and under .....	5,631	41,624	29,289	2,468	656	79,668	5,212	13,169	140,255
Greater than 15 ppm to 500 ppm sulfur .....	2	217	2,021	87	—	2,327	81	258	2,871
Greater than 500 ppm sulfur .....	—	250	2,169	-51	—	2,368	11	404	2,645
Residual Fuel Oil .....	286	2,297	1,200	19	-28	3,774	295	2,242	8,106
Less than 0.31 percent sulfur .....	304	—	825	—	—	1,129	175	40	1,349
0.31 to 1.00 percent sulfur .....	8	658	416	19	—	1,101	12	571	2,802
Greater than 1.00 percent sulfur .....	-26	1,639	-41	—	-28	1,544	108	1,631	3,955
Petrochemical Feedstocks .....	98	3,618	2,165	—	37	5,918	56	—	6,786
Naphtha for Petro. Feed. Use .....	94	2,385	1,443	—	—	3,922	—	—	4,323
Other Oils for Petro. Feed. Use .....	4	1,233	722	—	37	1,996	56	—	2,463
Special Naphthas .....	54	625	—	206	—	885	—	33	898
Lubricants .....	23	1,708	1,417	716	—	3,864	—	458	4,876
Waxes .....	—	40	42	13	—	95	—	—	107
Petroleum Coke .....	345	7,872	5,443	170	19	13,849	719	3,585	24,366
Marketable .....	132	6,316	4,401	155	—	11,004	536	2,679	18,674
Catalyst .....	213	1,556	1,042	15	19	2,845	183	906	5,692
Asphalt and Road Oil .....	176	178	632	1,016	56	2,058	709	671	9,449
Still Gas .....	694	5,762	3,507	269	71	10,303	627	3,487	19,338
Miscellaneous Products .....	156	887	470	17	2	1,532	53	395	2,548
<b>Total .....</b>	<b>29,002</b>	<b>108,455</b>	<b>74,571</b>	<b>13,630</b>	<b>2,199</b>	<b>227,857</b>	<b>18,030</b>	<b>79,826</b>	<b>561,606</b>
Processing Gain(-) or Loss(+) .....	-817	-10,083	-7,467	-174	-39	-18,580	-787	-4,735	-31,975

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, February 2023**  
(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 .....	223	-16	207	859	-135	335	1,059
Natural Gas Liquids .....	187	-16	171	168	-234	197	131
Ethane .....	-	-	-	-	-	-	-
Propane .....	322	19	341	1,373	267	468	2,108
Normal Butane .....	-134	-18	-152	-1,056	-462	-252	-1,770
Isobutane .....	-1	-17	-18	-149	-39	-19	-207
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	36	-	36	691	99	138	928
Ethylene .....	-	-	-	-	-	-	-
Propylene .....	37	-	37	692	99	138	929
Butylene .....	-1	-	-1	-1	-	-	-1
Isobutylene .....	-	-	-	-	-	-	-
Finished Motor Gasoline .....	81,158	6,102	87,260	41,776	9,156	14,320	65,252
Reformulated .....	31,847	49	31,896	7,191	1,355	773	9,319
Reformulated Blended with Fuel Ethanol .....	31,847	49	31,896	7,191	1,355	773	9,319
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	49,311	6,053	55,364	34,585	7,801	13,547	55,933
Conventional Blended with Fuel Ethanol .....	50,261	6,054	56,315	33,924	7,833	12,599	54,356
Ed55 and Lower .....	50,188	6,054	56,242	33,905	7,794	12,460	54,159
Greater than Ed55 .....	73	-	73	19	39	139	197
Conventional Other .....	-950	-1	-951	661	-32	948	1,577
Finished Aviation Gasoline .....	-	-	-	-	18	-	18
Kerosene-Type Jet Fuel .....	2,487	-	2,487	4,689	805	916	6,410
Kerosene .....	142	6	148	94	-	9	103
Distillate Fuel Oil .....	5,167	819	5,986	18,451	4,973	9,338	32,762
15 ppm sulfur and under .....	5,207	817	6,024	18,581	4,976	9,389	32,946
Greater than 15 ppm to 500 ppm sulfur .....	-16	-	-16	-	-	30	30
Greater than 500 ppm sulfur .....	-24	2	-22	-130	-3	-81	-214
Residual Fuel Oil .....	739	8	747	624	133	136	893
Less than 0.31 percent sulfur .....	-16	7	-9	115	-	-	115
0.31 to 1.00 percent sulfur .....	555	1	556	266	69	40	375
Greater than 1.00 percent sulfur .....	200	-	200	243	64	96	403
Petrochemical Feedstocks .....	-	12	12	658	-	-	658
Naphtha for Petro. Feed. Use .....	-	-	-	307	-	-	307
Other Oils for Petro. Feed. Use .....	-	12	12	351	-	-	351
Special Naphthas .....	-	-3	-3	-19	-	18	-1
Lubricants .....	194	193	387	-	-	203	203
Waxes .....	-	-14	-14	-	-	38	38
Petroleum Coke .....	418	19	437	3,499	860	798	5,157
Marketable .....	212	-	212	2,657	712	579	3,948
Catalyst .....	206	19	225	842	148	219	1,209
Asphalt and Road Oil .....	345	610	955	2,990	1,176	306	4,472
Still Gas .....	580	42	622	2,357	592	990	3,939
Miscellaneous Products .....	42	15	57	293	158	45	496
<b>Total .....</b>	<b>91,495</b>	<b>7,793</b>	<b>99,288</b>	<b>76,271</b>	<b>17,736</b>	<b>27,452</b>	<b>121,459</b>
Processing Gain(-) or Loss(+) .....	-485	13	-472	-3,666	-968	-1,026	-5,660

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, February 2023**  
(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 .....	370	4,742	4,137	-19	7	9,237	113	851	11,467
Natural Gas Liquids .....	113	2,165	1,976	-44	7	4,217	88	721	5,328
Ethane .....	3	94	30	—	—	127	—	—	127
Propane .....	257	2,125	1,824	13	24	4,243	156	687	7,535
Normal Butane .....	-149	298	29	-57	-17	104	-20	7	-1,831
Isobutane .....	2	-352	93	—	—	-257	-48	27	-503
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	257	2,577	2,161	25	—	5,020	25	130	6,139
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	258	2,908	2,030	25	—	5,221	3	142	6,332
Butylene .....	-1	-331	131	—	—	-201	22	-12	-193
Isobutylene .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	18,576	22,438	9,644	8,204	1,311	60,173	8,650	39,530	260,865
Reformulated .....	6,487	6,342	—	—	—	12,829	—	27,932	81,976
Reformulated Blended with Fuel Ethanol .....	6,486	6,342	—	—	—	12,828	—	27,932	81,975
Reformulated Other .....	1	—	—	—	—	1	—	—	1
Conventional .....	12,089	16,096	9,644	8,204	1,311	47,344	8,650	11,598	178,889
Conventional Blended with Fuel Ethanol .....	11,845	1,436	4,349	8,623	1,266	27,519	7,263	12,301	157,754
Ed55 and Lower .....	11,835	1,435	4,349	8,608	1,265	27,492	7,236	12,295	157,424
Greater than Ed55 .....	10	1	—	15	1	27	27	6	330
Conventional Other .....	244	14,660	5,295	-419	45	19,825	1,387	-703	21,135
Finished Aviation Gasoline .....	37	119	149	—	—	305	3	1	327
Kerosene-Type Jet Fuel .....	1,269	12,326	9,207	64	0	22,866	780	11,296	43,839
Kerosene .....	-1	153	1	19	—	172	—	4	427
Distillate Fuel Oil .....	5,297	38,047	28,653	2,406	823	75,226	4,953	12,587	131,514
15 ppm sulfur and under .....	5,295	36,838	24,040	2,416	823	69,412	4,963	11,785	125,130
Greater than 15 ppm to 500 ppm sulfur .....	2	198	1,973	70	—	2,243	-7	274	2,524
Greater than 500 ppm sulfur .....	—	1,011	2,640	-80	—	3,571	-3	528	3,860
Residual Fuel Oil .....	273	2,123	1,268	-2	5	3,667	333	2,086	7,726
Less than 0.31 percent sulfur .....	240	—	762	—	—	1,002	155	55	1,318
0.31 to 1.00 percent sulfur .....	25	519	461	-2	—	1,003	25	626	2,585
Greater than 1.00 percent sulfur .....	8	1,604	45	—	5	1,662	153	1,405	3,823
Petrochemical Feedstocks .....	104	3,209	1,496	—	47	4,856	55	—	5,581
Naphtha for Petro. Feed. Use .....	96	1,680	890	—	—	2,666	—	—	2,973
Other Oils for Petro. Feed. Use .....	8	1,529	606	—	47	2,190	55	—	2,608
Special Naphthas .....	59	532	—	212	—	803	—	—	799
Lubricants .....	4	1,515	816	626	—	2,961	—	445	3,996
Waxes .....	—	44	56	15	—	115	—	—	139
Petroleum Coke .....	348	6,935	4,605	165	18	12,071	675	3,312	21,652
Marketable .....	151	5,415	3,690	150	—	9,406	463	2,612	16,641
Catalyst .....	197	1,520	915	15	18	2,665	212	700	5,011
Asphalt and Road Oil .....	137	305	676	831	13	1,962	675	662	8,726
Still Gas .....	729	4,953	2,947	323	65	9,017	565	2,976	17,119
Miscellaneous Products .....	115	868	402	16	7	1,408	50	350	2,361
<b>Total .....</b>	<b>27,317</b>	<b>98,309</b>	<b>64,057</b>	<b>12,860</b>	<b>2,296</b>	<b>204,839</b>	<b>16,852</b>	<b>74,100</b>	<b>516,538</b>
Processing Gain(-) or Loss(+) .....	-838	-8,309	-6,316	-171	-69	-15,703	-675	-4,226	-26,736

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2023**  
(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 .....	231	14	245	2,428	220	682	3,330
Natural Gas Liquids .....	178	14	192	1,542	104	510	2,156
Ethane .....	-	-	-	-	-	-	-
Propane .....	330	30	360	1,659	308	459	2,426
Normal Butane .....	-150	-2	-152	21	-147	76	-50
Isobutane .....	-2	-14	-16	-138	-57	-25	-220
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	53	-	53	886	116	172	1,174
Ethylene .....	-	-	-	-	-	-	-
Propylene .....	55	-	55	851	116	173	1,140
Butylene .....	-2	-	-2	35	-	-1	34
Isobutylene .....	-	-	-	-	-	-	-
Finished Motor Gasoline .....	92,989	6,889	99,878	48,310	9,865	16,272	74,447
Reformulated .....	35,886	42	35,928	8,005	1,472	878	10,355
Reformulated Blended with Fuel Ethanol .....	35,885	42	35,927	8,005	1,471	878	10,354
Reformulated Other .....	1	-	1	-	1	-	1
Conventional .....	57,103	6,847	63,950	40,305	8,393	15,394	64,092
Conventional Blended with Fuel Ethanol .....	57,961	6,869	64,830	38,234	8,497	14,350	61,081
Ed55 and Lower .....	57,878	6,869	64,747	38,213	8,451	14,204	60,868
Greater than Ed55 .....	83	-	83	21	46	146	213
Conventional Other .....	-858	-22	-880	2,071	-104	1,044	3,011
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	2,609	-	2,609	6,308	914	1,115	8,337
Kerosene .....	-11	-	-11	27	-	-4	23
Distillate Fuel Oil .....	4,935	930	5,865	20,259	5,387	8,599	34,245
15 ppm sulfur and under .....	4,937	929	5,866	20,212	5,347	8,520	34,079
Greater than 15 ppm to 500 ppm sulfur .....	10	-	10	-	-	182	182
Greater than 500 ppm sulfur .....	-12	1	-11	47	40	-103	-16
Residual Fuel Oil .....	750	8	758	673	164	138	975
Less than 0.31 percent sulfur .....	-30	7	-23	35	-	-	35
0.31 to 1.00 percent sulfur .....	673	1	674	245	83	43	371
Greater than 1.00 percent sulfur .....	107	-	107	393	81	95	569
Petrochemical Feedstocks .....	-	16	16	906	-	-	906
Naphtha for Petro. Feed. Use .....	-	-	-	529	-	-	529
Other Oils for Petro. Feed. Use .....	-	16	16	377	-	-	377
Special Naphthas .....	-	3	3	-16	-	13	-3
Lubricants .....	67	206	273	-	-	212	212
Waxes .....	-	-2	-2	-	-	43	43
Petroleum Coke .....	485	21	506	3,797	932	732	5,461
Marketable .....	254	-	254	2,789	768	506	4,063
Catalyst .....	231	21	252	1,008	164	226	1,398
Asphalt and Road Oil .....	403	717	1,120	3,463	1,179	333	4,975
Still Gas .....	658	50	708	2,546	638	939	4,123
Miscellaneous Products .....	38	8	46	326	125	37	488
<b>Total .....</b>	<b>103,154</b>	<b>8,860</b>	<b>112,014</b>	<b>89,027</b>	<b>19,424</b>	<b>29,111</b>	<b>137,562</b>
Processing Gain(-) or Loss(+) .....	-689	41	-648	-4,169	-1,310	-1,018	-6,497

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2023**  
(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 .....	696	7,823	5,071	69	17	13,676	313	2,061	19,625
Natural Gas Liquids .....	364	4,366	2,931	47	17	7,725	194	1,908	12,175
Ethane .....	5	228	32	—	—	265	—	—	265
Propane .....	263	2,498	1,947	15	10	4,733	195	919	8,633
Normal Butane .....	113	1,961	837	32	7	2,950	-8	711	3,451
Isobutane .....	-17	-321	115	—	—	-223	7	278	-174
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	332	3,457	2,140	22	—	5,951	119	153	7,450
Ethylene .....	—	1	—	—	—	1	—	—	1
Propylene .....	369	3,632	2,224	22	—	6,247	51	170	7,663
Butylene .....	-37	-176	-84	—	—	-297	68	-17	-214
Isobutylene .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	21,780	26,728	10,238	9,479	1,351	69,576	10,094	43,832	297,827
Reformulated .....	7,514	7,202	—	—	—	14,716	—	30,746	91,745
Reformulated Blended with Fuel Ethanol .....	7,511	7,202	—	—	—	14,713	—	30,746	91,740
Reformulated Other .....	3	—	—	—	—	3	—	—	5
Conventional .....	14,266	19,526	10,238	9,479	1,351	54,860	10,094	13,086	206,082
Conventional Blended with Fuel Ethanol .....	13,893	1,668	5,119	9,983	1,383	32,046	8,542	13,872	180,371
Ed55 and Lower .....	13,883	1,667	5,119	9,967	1,382	32,018	8,516	13,862	180,011
Greater than Ed55 .....	10	1	—	16	1	28	26	10	360
Conventional Other .....	373	17,858	5,119	-504	-32	22,814	1,552	-786	25,711
Finished Aviation Gasoline .....	48	-4	88	—	—	132	6	10	148
Kerosene-Type Jet Fuel .....	1,482	15,119	10,340	137	0	27,078	1,071	12,964	52,059
Kerosene .....	-1	146	—	6	—	151	—	2	165
Distillate Fuel Oil .....	6,004	41,071	34,638	2,836	555	85,104	5,734	14,208	145,156
15 ppm sulfur and under .....	5,978	39,747	29,878	2,679	555	78,837	5,721	13,332	137,835
Greater than 15 ppm to 500 ppm sulfur .....	26	291	2,667	88	—	3,072	17	459	3,740
Greater than 500 ppm sulfur .....	—	1,033	2,093	69	—	3,195	-4	417	3,581
Residual Fuel Oil .....	292	2,343	1,700	-33	44	4,346	320	2,163	8,562
Less than 0.31 percent sulfur .....	249	—	865	—	—	1,114	163	53	1,342
0.31 to 1.00 percent sulfur .....	-2	733	422	-33	—	1,120	34	614	2,813
Greater than 1.00 percent sulfur .....	45	1,610	413	—	44	2,112	123	1,496	4,407
Petrochemical Feedstocks .....	19	3,831	2,526	—	21	6,397	62	38	7,419
Naphtha for Petro. Feed. Use .....	16	2,234	1,538	—	—	3,788	—	—	4,317
Other Oils for Petro. Feed. Use .....	3	1,597	988	—	21	2,609	62	38	3,102
Special Naphthas .....	29	643	—	249	—	921	—	28	949
Lubricants .....	-4	1,575	804	787	—	3,162	—	294	3,941
Waxes .....	—	34	58	23	—	115	—	—	156
Petroleum Coke .....	423	7,783	5,048	184	10	13,448	686	3,877	23,978
Marketable .....	188	5,921	4,073	168	—	10,350	501	3,084	18,252
Catalyst .....	235	1,862	975	16	10	3,098	185	793	5,726
Asphalt and Road Oil .....	217	401	505	1,034	72	2,229	868	680	9,872
Still Gas .....	756	5,645	3,550	266	71	10,288	650	3,739	19,508
Miscellaneous Products .....	116	879	485	18	6	1,504	41	390	2,469
<b>Total .....</b>	<b>31,857</b>	<b>114,017</b>	<b>75,051</b>	<b>15,055</b>	<b>2,147</b>	<b>238,127</b>	<b>19,845</b>	<b>84,286</b>	<b>591,834</b>
Processing Gain(-) or Loss(+) .....	-721	-8,974	-6,264	-46	-37	-16,042	-860	-4,609	-28,656

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2023**  
(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 .....	865	79	944	4,258	378	704	5,340
Natural Gas Liquids .....	591	79	670	3,267	236	525	4,028
Ethane .....	-	-	-	-	-	-	-
Propane .....	394	22	416	1,575	230	426	2,231
Normal Butane .....	225	66	291	1,813	61	120	1,994
Isobutane .....	-28	-9	-37	-121	-55	-21	-197
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	274	-	274	991	142	179	1,312
Ethylene .....	-	-	-	-	-	-	-
Propylene .....	274	-	274	867	142	179	1,188
Butylene .....	-	-	-	124	-	-	124
Isobutylene .....	-	-	-	-	-	-	-
Finished Motor Gasoline .....	90,195	6,700	96,895	48,110	9,410	16,193	73,713
Reformulated .....	35,040	54	35,094	7,656	1,394	917	9,967
Reformulated Blended with Fuel Ethanol .....	35,038	54	35,092	7,656	1,393	917	9,966
Reformulated Other .....	2	-	2	-	1	-	1
Conventional .....	55,155	6,646	61,801	40,454	8,016	15,276	63,746
Conventional Blended with Fuel Ethanol .....	55,684	6,662	62,346	38,229	8,255	14,076	60,560
Ed55 and Lower .....	55,601	6,662	62,263	38,207	8,215	13,923	60,345
Greater than Ed55 .....	83	-	83	22	40	153	215
Conventional Other .....	-529	-16	-545	2,225	-239	1,200	3,186
Finished Aviation Gasoline .....	-	-	-	-	22	-	22
Kerosene-Type Jet Fuel .....	3,112	-	3,112	6,862	903	1,030	8,795
Kerosene .....	-83	-	-83	-5	-	7	2
Distillate Fuel Oil .....	6,716	847	7,563	17,545	4,069	8,556	30,170
15 ppm sulfur and under .....	6,693	843	7,536	17,485	3,957	8,644	30,086
Greater than 15 ppm to 500 ppm sulfur .....	32	-	32	-	-	8	8
Greater than 500 ppm sulfur .....	-9	4	-5	60	112	-96	76
Residual Fuel Oil .....	728	7	735	689	159	105	953
Less than 0.31 percent sulfur .....	-7	6	-1	57	-	-	57
0.31 to 1.00 percent sulfur .....	408	1	409	270	75	10	355
Greater than 1.00 percent sulfur .....	327	-	327	362	84	95	541
Petrochemical Feedstocks .....	-	10	10	882	-	-	882
Naphtha for Petro. Feed. Use .....	-	-	-	531	-	-	531
Other Oils for Petro. Feed. Use .....	-	10	10	351	-	-	351
Special Naphthas .....	-	11	11	-39	-	9	-30
Lubricants .....	146	195	341	-	-	223	223
Waxes .....	-	4	4	-	-	33	33
Petroleum Coke .....	408	18	426	3,844	1,062	705	5,611
Marketable .....	57	-	57	2,862	909	516	4,287
Catalyst .....	351	18	369	982	153	189	1,324
Asphalt and Road Oil .....	551	672	1,223	2,755	1,272	359	4,386
Still Gas .....	840	57	897	2,704	528	922	4,154
Miscellaneous Products .....	16	18	34	312	91	37	440
<b>Total .....</b>	<b>103,494</b>	<b>8,618</b>	<b>112,112</b>	<b>87,917</b>	<b>17,894</b>	<b>28,883</b>	<b>134,694</b>
Processing Gain(-) or Loss(+) .....	-1,089	58	-1,031	-4,420	-1,253	-975	-6,648

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2023**  
(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 .....	882	8,586	5,684	81	19	15,252	457	2,205	24,198
Natural Gas Liquids .....	520	5,347	3,161	67	19	9,114	291	2,051	16,154
Ethane .....	3	122	31	—	—	156	—	—	156
Propane .....	261	2,417	2,072	11	18	4,779	199	955	8,580
Normal Butane .....	293	3,165	950	56	1	4,465	143	1,007	7,900
Isobutane .....	-37	-357	108	—	—	-286	-51	89	-482
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	362	3,239	2,523	14	—	6,138	166	154	8,044
Ethylene .....	—	4	—	—	—	4	—	—	4
Propylene .....	364	3,420	2,348	14	—	6,146	33	187	7,828
Butylene .....	-2	-185	175	—	—	-12	133	-33	212
Isobutylene .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	21,223	24,860	9,590	9,145	1,287	66,105	9,885	43,912	290,510
Reformulated .....	7,424	6,862	—	—	—	14,286	—	30,704	90,051
Reformulated Blended with Fuel Ethanol .....	7,421	6,860	—	—	—	14,281	—	30,704	90,043
Reformulated Other .....	3	2	—	—	—	5	—	—	8
Conventional .....	13,799	17,998	9,590	9,145	1,287	51,819	9,885	13,208	200,459
Conventional Blended with Fuel Ethanol .....	13,549	1,504	4,760	9,600	1,330	30,743	8,581	13,578	175,808
Ed55 and Lower .....	13,537	1,503	4,760	9,583	1,329	30,712	8,556	13,565	175,441
Greater than Ed55 .....	12	1	—	17	1	31	25	13	367
Conventional Other .....	250	16,494	4,830	-455	-43	21,076	1,304	-370	24,651
Finished Aviation Gasoline .....	56	139	49	—	—	244	3	-11	258
Kerosene-Type Jet Fuel .....	1,228	14,161	10,236	105	0	25,730	946	12,465	51,048
Kerosene .....	0	176	1	4	—	181	—	-2	98
Distillate Fuel Oil .....	5,676	42,768	35,316	2,046	355	86,161	5,172	13,231	142,297
15 ppm sulfur and under .....	5,613	40,578	31,797	2,012	355	80,355	5,189	12,688	135,854
Greater than 15 ppm to 500 ppm sulfur .....	63	1,268	2,277	83	—	3,691	8	166	3,905
Greater than 500 ppm sulfur .....	—	922	1,242	-49	—	2,115	-25	377	2,538
Residual Fuel Oil .....	201	2,776	1,931	-22	-13	4,873	308	1,750	8,619
Less than 0.31 percent sulfur .....	249	—	880	—	—	1,129	127	41	1,353
0.31 to 1.00 percent sulfur .....	4	607	459	-22	—	1,048	24	697	2,533
Greater than 1.00 percent sulfur .....	-52	2,169	592	—	-13	2,696	157	1,012	4,733
Petrochemical Feedstocks .....	42	3,589	2,809	19	46	6,505	43	140	7,580
Naphtha for Petro. Feed. Use .....	30	1,887	1,441	19	—	3,377	—	—	3,908
Other Oils for Petro. Feed. Use .....	12	1,702	1,368	—	46	3,128	43	140	3,672
Special Naphthas .....	39	574	—	215	—	828	—	36	845
Lubricants .....	23	1,675	1,146	828	—	3,672	—	411	4,647
Waxes .....	—	37	61	12	—	110	—	—	147
Petroleum Coke .....	470	7,549	5,271	136	18	13,444	649	3,799	23,929
Marketable .....	236	5,819	4,221	123	—	10,399	444	2,958	18,145
Catalyst .....	234	1,730	1,050	13	18	3,045	205	841	5,784
Asphalt and Road Oil .....	203	539	640	548	4	1,934	737	789	9,069
Still Gas .....	670	5,927	3,565	249	50	10,461	601	3,237	19,350
Miscellaneous Products .....	141	884	486	11	4	1,526	52	396	2,448
<b>Total .....</b>	<b>30,854</b>	<b>114,240</b>	<b>76,785</b>	<b>13,377</b>	<b>1,770</b>	<b>237,026</b>	<b>18,853</b>	<b>82,358</b>	<b>585,043</b>
Processing Gain(-) or Loss(+) .....	-583	-8,537	-6,753	-100	-96	-16,069	-708	-5,803	-30,259

— = No Data Reported.

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 Report."



**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, May 2023**  
(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 .....	971	94	1,065	4,260	613	845	5,718
Natural Gas Liquids .....	720	94	814	3,109	491	595	4,195
Ethane .....	-	-	-	-	-	-	-
Propane .....	409	28	437	1,534	265	493	2,292
Normal Butane .....	370	83	453	1,790	285	161	2,236
Isobutane .....	-59	-17	-76	-215	-59	-59	-333
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	251	-	251	1,151	122	250	1,523
Ethylene .....	8	-	8	-	-	-	-
Propylene .....	271	-	271	828	122	229	1,179
Butylene .....	-28	-	-28	323	-	21	344
Isobutylene .....	-	-	-	-	-	-	-
Finished Motor Gasoline .....	94,817	7,323	102,140	51,296	11,047	17,062	79,405
Reformulated .....	37,074	69	37,143	8,243	1,507	990	10,740
Reformulated Blended with Fuel Ethanol .....	37,069	69	37,138	8,243	1,506	990	10,739
Reformulated Other .....	5	-	5	-	1	-	1
Conventional .....	57,743	7,254	64,997	43,053	9,540	16,072	68,665
Conventional Blended with Fuel Ethanol .....	58,590	7,244	65,834	40,641	9,619	14,877	65,137
Ed55 and Lower .....	58,509	7,244	65,753	40,615	9,568	14,716	64,899
Greater than Ed55 .....	81	-	81	26	51	161	238
Conventional Other .....	-847	10	-837	2,412	-79	1,195	3,528
Finished Aviation Gasoline .....	-	-	-	-	26	-	26
Kerosene-Type Jet Fuel .....	2,550	-	2,550	6,964	915	1,071	8,950
Kerosene .....	282	-	282	44	-	14	58
Distillate Fuel Oil .....	6,368	807	7,175	20,790	4,768	8,894	34,452
15 ppm sulfur and under .....	6,406	805	7,211	20,776	4,593	8,777	34,146
Greater than 15 ppm to 500 ppm sulfur .....	14	-	14	-	-	224	224
Greater than 500 ppm sulfur .....	-52	2	-50	14	175	-107	82
Residual Fuel Oil .....	673	5	678	756	171	109	1,036
Less than 0.31 percent sulfur .....	-	4	4	63	-	-	63
0.31 to 1.00 percent sulfur .....	396	1	397	283	105	16	404
Greater than 1.00 percent sulfur .....	277	-	277	410	66	93	569
Petrochemical Feedstocks .....	-	11	11	872	-	-	872
Naphtha for Petro. Feed. Use .....	-	-	-	519	-	-	519
Other Oils for Petro. Feed. Use .....	-	11	11	353	-	-	353
Special Naphthas .....	-	16	16	-44	-	14	-30
Lubricants .....	191	147	338	-	-	228	228
Waxes .....	-	-2	-2	-	-	46	46
Petroleum Coke .....	386	21	407	3,830	265	841	4,936
Marketable .....	13	-	13	2,770	104	618	3,492
Catalyst .....	373	21	394	1,060	161	223	1,444
Asphalt and Road Oil .....	498	729	1,227	3,226	1,674	348	5,248
Still Gas .....	813	67	880	2,876	571	1,028	4,475
Miscellaneous Products .....	28	27	55	323	105	49	477
<b>Total .....</b>	<b>107,577</b>	<b>9,245</b>	<b>116,822</b>	<b>95,193</b>	<b>20,155</b>	<b>30,549</b>	<b>145,897</b>
Processing Gain(-) or Loss(+) .....	-1,020	52	-968	-3,891	-625	-927	-5,443

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, May 2023**  
(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 .....	967	10,125	5,367	75	41	16,575	459	2,317	26,134
Natural Gas Liquids .....	636	6,423	3,010	46	41	10,156	316	2,200	17,681
Ethane .....	4	84	28	—	—	116	—	—	116
Propane .....	304	2,585	2,131	9	26	5,055	180	957	8,921
Normal Butane .....	347	3,671	784	37	15	4,854	153	1,169	8,865
Isobutane .....	-19	83	67	—	—	131	-17	74	-221
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	331	3,702	2,357	29	—	6,419	143	117	8,453
Ethylene .....	—	—	—	—	—	—	—	—	8
Propylene .....	336	3,548	2,392	29	—	6,305	24	166	7,945
Butylene .....	-5	154	-35	—	—	114	119	-49	500
Isobutylene .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	21,714	24,580	10,562	9,753	1,497	68,106	10,281	46,250	306,182
Reformulated .....	7,767	7,091	—	—	—	14,858	—	32,052	94,793
Reformulated Blended with Fuel Ethanol .....	7,765	7,089	—	—	—	14,854	—	32,052	94,783
Reformulated Other .....	2	2	—	—	—	4	—	—	10
Conventional .....	13,947	17,489	10,562	9,753	1,497	53,248	10,281	14,198	211,389
Conventional Blended with Fuel Ethanol .....	13,597	2,154	5,081	10,249	1,446	32,527	9,143	14,528	187,169
Ed55 and Lower .....	13,585	2,153	5,081	10,229	1,445	32,493	9,115	14,518	186,778
Greater than Ed55 .....	12	1	—	20	1	34	28	10	391
Conventional Other .....	350	15,335	5,481	-496	51	20,721	1,138	-330	24,220
Finished Aviation Gasoline .....	42	113	107	—	—	262	7	8	303
Kerosene-Type Jet Fuel .....	1,390	15,070	10,709	148	1	27,318	972	12,616	52,406
Kerosene .....	-2	241	0	7	—	246	—	0	586
Distillate Fuel Oil .....	5,656	47,107	35,515	2,680	917	91,875	5,286	14,603	153,391
15 ppm sulfur and under .....	5,727	44,971	32,446	2,600	917	86,661	5,262	13,640	146,920
Greater than 15 ppm to 500 ppm sulfur .....	-71	1,636	2,374	66	—	4,005	24	505	4,772
Greater than 500 ppm sulfur .....	—	500	695	14	—	1,209	0	458	1,699
Residual Fuel Oil .....	236	2,440	1,540	-28	-9	4,179	312	2,406	8,611
Less than 0.31 percent sulfur .....	245	—	696	—	—	941	165	52	1,225
0.31 to 1.00 percent sulfur .....	3	578	399	-28	—	952	10	783	2,546
Greater than 1.00 percent sulfur .....	-12	1,862	445	—	-9	2,286	137	1,571	4,840
Petrochemical Feedstocks .....	57	3,304	2,717	—	44	6,122	49	164	7,218
Naphtha for Petro. Feed. Use .....	50	2,123	1,330	—	—	3,503	—	—	4,022
Other Oils for Petro. Feed. Use .....	7	1,181	1,387	—	44	2,619	49	164	3,196
Special Naphthas .....	36	564	—	247	—	847	—	46	879
Lubricants .....	0	1,766	1,565	879	—	4,210	—	282	5,058
Waxes .....	—	31	62	22	—	115	—	—	159
Petroleum Coke .....	386	8,742	5,711	171	20	15,030	625	3,974	24,972
Marketable .....	164	7,060	4,616	156	—	11,996	424	3,049	18,974
Catalyst .....	222	1,682	1,095	15	20	3,034	201	925	5,998
Asphalt and Road Oil .....	249	397	572	973	76	2,267	998	904	10,644
Still Gas .....	686	6,487	3,840	318	65	11,396	582	3,666	20,999
Miscellaneous Products .....	132	1,126	513	18	8	1,797	43	377	2,749
<b>Total .....</b>	<b>31,549</b>	<b>122,093</b>	<b>78,780</b>	<b>15,263</b>	<b>2,660</b>	<b>250,345</b>	<b>19,614</b>	<b>87,613</b>	<b>620,291</b>
Processing Gain(-) or Loss(+) .....	-627	-10,279	-7,044	72	-93	-17,971	-492	-4,017	-28,891

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2023**  
(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 .....	792	81	873	4,837	581	856	6,274
Natural Gas Liquids .....	650	81	731	3,886	440	595	4,921
Ethane .....	-	-	-	-	-	-	-
Propane .....	311	23	334	1,445	255	486	2,186
Normal Butane .....	312	78	390	2,661	260	148	3,069
Isobutane .....	27	-20	7	-220	-75	-39	-334
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	142	-	142	951	141	261	1,353
Ethylene .....	10	-	10	-	-	-	-
Propylene .....	132	-	132	777	141	262	1,180
Butylene .....	-2	-	-2	174	-	-1	173
Isobutylene .....	2	-	2	-	-	-	-
Finished Motor Gasoline .....	90,478	7,102	97,580	49,436	11,203	17,191	77,830
Reformulated .....	35,773	67	35,840	7,831	1,465	969	10,265
Reformulated Blended with Fuel Ethanol .....	35,769	67	35,836	7,831	1,464	969	10,264
Reformulated Other .....	4	-	4	-	1	-	1
Conventional .....	54,705	7,035	61,740	41,605	9,738	16,222	67,565
Conventional Blended with Fuel Ethanol .....	55,801	7,053	62,854	39,254	9,806	14,754	63,814
Ed55 and Lower .....	55,725	7,053	62,778	39,224	9,749	14,603	63,576
Greater than Ed55 .....	76	-	76	30	57	151	238
Conventional Other .....	-1,096	-18	-1,114	2,351	-68	1,468	3,751
Finished Aviation Gasoline .....	-	-	-	-	35	-	35
Kerosene-Type Jet Fuel .....	2,355	-	2,355	6,805	889	955	8,649
Kerosene .....	146	-	146	-3	-	-24	-27
Distillate Fuel Oil .....	5,098	855	5,953	21,130	4,575	10,516	36,221
15 ppm sulfur and under .....	5,250	852	6,102	20,996	4,478	10,602	36,076
Greater than 15 ppm to 500 ppm sulfur .....	16	-	16	-	-	-1	-1
Greater than 500 ppm sulfur .....	-168	3	-165	134	97	-85	146
Residual Fuel Oil .....	766	4	770	741	224	149	1,114
Less than 0.31 percent sulfur .....	-5	3	-2	64	-	-	64
0.31 to 1.00 percent sulfur .....	523	1	524	293	137	40	470
Greater than 1.00 percent sulfur .....	248	-	248	384	87	109	580
Petrochemical Feedstocks .....	-	10	10	894	-	-	894
Naphtha for Petro. Feed. Use .....	-	-	-	520	-	-	520
Other Oils for Petro. Feed. Use .....	-	10	10	374	-	-	374
Special Naphthas .....	-	9	9	-47	-	14	-33
Lubricants .....	170	200	370	-	-	176	176
Waxes .....	-	18	18	-	-	43	43
Petroleum Coke .....	508	18	526	3,748	924	868	5,540
Marketable .....	220	-	220	2,749	757	627	4,133
Catalyst .....	288	18	306	999	167	241	1,407
Asphalt and Road Oil .....	498	674	1,172	3,547	1,773	467	5,787
Still Gas .....	801	60	861	2,906	594	1,037	4,537
Miscellaneous Products .....	45	15	60	296	109	50	455
<b>Total .....</b>	<b>101,657</b>	<b>9,046</b>	<b>110,703</b>	<b>94,290</b>	<b>20,907</b>	<b>32,298</b>	<b>147,495</b>
Processing Gain(-) or Loss(+) .....	-824	55	-769	-4,725	-1,304	-1,256	-7,285

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2023**  
(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 .....	1,010	8,881	5,296	61	42	15,290	468	2,506	25,411
Natural Gas Liquids .....	677	5,729	3,122	40	42	9,610	348	2,241	17,851
Ethane .....	4	107	23	—	—	134	—	—	134
Propane .....	276	2,397	2,026	6	20	4,725	234	1,026	8,505
Normal Butane .....	382	3,589	946	34	22	4,973	154	1,080	9,666
Isobutane .....	15	-364	127	—	—	-222	-40	135	-454
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	333	3,152	2,174	21	—	5,680	120	265	7,560
Ethylene .....	—	3	—	—	—	3	—	—	13
Propylene .....	335	3,369	2,243	21	—	5,968	32	245	7,557
Butylene .....	-2	-220	-69	—	—	-291	88	20	-12
Isobutylene .....	—	—	—	—	—	—	—	—	2
Finished Motor Gasoline .....	20,753	24,958	10,325	9,500	1,487	67,023	10,901	44,559	297,893
Reformulated .....	7,392	6,947	—	—	—	14,339	—	30,901	91,345
Reformulated Blended with Fuel Ethanol .....	7,388	6,945	—	—	—	14,333	—	30,901	91,334
Reformulated Other .....	4	2	—	—	—	6	—	—	11
Conventional .....	13,361	18,011	10,325	9,500	1,487	52,684	10,901	13,658	206,548
Conventional Blended with Fuel Ethanol .....	12,993	2,044	4,926	9,953	1,469	31,385	8,972	14,163	181,188
Ed55 and Lower .....	12,985	2,043	4,926	9,933	1,468	31,355	8,950	14,150	180,809
Greater than Ed55 .....	8	1	—	20	1	30	22	13	379
Conventional Other .....	368	15,967	5,399	-453	18	21,299	1,929	-505	25,360
Finished Aviation Gasoline .....	46	1	144	—	—	191	7	115	348
Kerosene-Type Jet Fuel .....	1,495	15,837	9,742	99	0	27,173	1,010	14,085	53,272
Kerosene .....	-16	194	1	1	—	180	—	2	301
Distillate Fuel Oil .....	5,191	45,787	32,453	2,360	786	86,577	6,383	14,142	149,276
15 ppm sulfur and under .....	5,143	45,102	29,921	2,223	786	83,175	6,364	13,749	145,466
Greater than 15 ppm to 500 ppm sulfur .....	48	267	1,898	57	—	2,270	-6	231	2,510
Greater than 500 ppm sulfur .....	—	418	634	80	—	1,132	25	162	1,300
Residual Fuel Oil .....	304	1,426	834	22	92	2,678	338	1,995	6,895
Less than 0.31 percent sulfur .....	223	—	81	—	—	304	171	47	584
0.31 to 1.00 percent sulfur .....	-5	606	231	22	—	854	21	565	2,434
Greater than 1.00 percent sulfur .....	86	820	522	—	92	1,520	146	1,383	3,877
Petrochemical Feedstocks .....	125	2,497	2,964	—	50	5,636	28	21	6,589
Naphtha for Petro. Feed. Use .....	114	1,425	1,342	—	—	2,881	—	—	3,401
Other Oils for Petro. Feed. Use .....	11	1,072	1,622	—	50	2,755	28	21	3,188
Special Naphthas .....	45	512	—	32	—	589	—	9	574
Lubricants .....	7	1,696	1,015	694	—	3,412	—	236	4,194
Waxes .....	—	44	56	23	—	123	—	—	184
Petroleum Coke .....	291	8,348	5,351	183	21	14,194	710	4,206	25,176
Marketable .....	86	6,573	4,311	170	—	11,140	489	3,259	19,241
Catalyst .....	205	1,775	1,040	13	21	3,054	221	947	5,935
Asphalt and Road Oil .....	237	381	450	834	-2	1,900	1,128	873	10,860
Still Gas .....	716	6,207	3,714	299	64	11,000	664	3,816	20,878
Miscellaneous Products .....	120	1,064	480	18	7	1,689	63	396	2,663
<b>Total .....</b>	<b>30,324</b>	<b>117,833</b>	<b>72,825</b>	<b>14,126</b>	<b>2,547</b>	<b>237,655</b>	<b>21,700</b>	<b>86,961</b>	<b>604,514</b>
Processing Gain(-) or Loss(+) .....	-554	-9,774	-7,163	28	-50	-17,513	-671	-5,251	-31,489

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, July 2023**  
(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 .....	676	76	752	4,480	597	817	5,894
Natural Gas Liquids .....	588	76	664	3,679	446	632	4,757
Ethane .....	-	-	-	-	-	-	-
Propane .....	318	32	350	1,786	266	523	2,575
Normal Butane .....	284	73	357	2,106	224	161	2,491
Isobutane .....	-14	-29	-43	-213	-44	-52	-309
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	88	-	88	801	151	185	1,137
Ethylene .....	1	-	1	-	-	-	-
Propylene .....	88	-	88	670	151	201	1,022
Butylene .....	-2	-	-2	131	-	-16	115
Isobutylene .....	1	-	1	-	-	-	-
Finished Motor Gasoline .....	93,619	7,322	100,941	49,153	11,030	17,314	77,497
Reformulated .....	36,492	50	36,542	7,738	1,429	976	10,143
Reformulated Blended with Fuel Ethanol .....	36,487	50	36,537	7,738	1,428	976	10,142
Reformulated Other .....	5	-	5	-	1	-	1
Conventional .....	57,127	7,272	64,399	41,415	9,601	16,338	67,354
Conventional Blended with Fuel Ethanol .....	57,525	7,269	64,794	39,507	9,685	14,507	63,699
Ed55 and Lower .....	57,451	7,269	64,720	39,485	9,631	14,359	63,475
Greater than Ed55 .....	74	-	74	22	54	148	224
Conventional Other .....	-398	3	-395	1,908	-84	1,831	3,655
Finished Aviation Gasoline .....	-	-	-	-	55	-	55
Kerosene-Type Jet Fuel .....	2,644	-	2,644	6,646	1,139	1,059	8,844
Kerosene .....	235	-	235	110	-	37	147
Distillate Fuel Oil .....	5,150	875	6,025	20,825	5,759	10,896	37,480
15 ppm sulfur and under .....	5,220	872	6,092	20,902	5,714	10,959	37,575
Greater than 15 ppm to 500 ppm sulfur .....	17	-	17	-	-	60	60
Greater than 500 ppm sulfur .....	-87	3	-84	-77	45	-123	-155
Residual Fuel Oil .....	949	7	956	669	186	154	1,009
Less than 0.31 percent sulfur .....	-	6	6	56	-	-	56
0.31 to 1.00 percent sulfur .....	659	1	660	235	85	39	359
Greater than 1.00 percent sulfur .....	290	-	290	378	101	115	594
Petrochemical Feedstocks .....	-	12	12	883	-	-	883
Naphtha for Petro. Feed. Use .....	-	-	-	485	-	-	485
Other Oils for Petro. Feed. Use .....	-	12	12	398	-	-	398
Special Naphthas .....	-	14	14	-47	-	14	-33
Lubricants .....	100	215	315	-	-	219	219
Waxes .....	-	14	14	-	-	21	21
Petroleum Coke .....	485	21	506	4,054	1,216	839	6,109
Marketable .....	198	-	198	3,037	1,043	579	4,659
Catalyst .....	287	21	308	1,017	173	260	1,450
Asphalt and Road Oil .....	485	749	1,234	3,149	1,600	433	5,182
Still Gas .....	828	69	897	3,181	642	1,079	4,902
Miscellaneous Products .....	47	23	70	329	125	56	510
<b>Total .....</b>	<b>105,218</b>	<b>9,397</b>	<b>114,615</b>	<b>93,432</b>	<b>22,349</b>	<b>32,938</b>	<b>148,719</b>
Processing Gain(-) or Loss(+) .....	-673	42	-631	-4,533	-1,429	-1,137	-7,099

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, July 2023**  
(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 .....	988	9,116	5,730	86	37	15,957	471	2,015	25,089
Natural Gas Liquids .....	604	5,787	3,495	53	37	9,976	386	1,804	17,587
Ethane .....	3	198	25	—	—	226	—	—	226
Propane .....	272	2,390	2,127	7	21	4,817	251	977	8,970
Normal Butane .....	315	3,658	1,225	46	16	5,260	169	785	9,062
Isobutane .....	14	-459	118	—	—	-327	-34	42	-671
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	384	3,329	2,235	33	—	5,981	85	211	7,502
Ethylene .....	—	11	—	—	—	11	—	—	12
Propylene .....	382	3,662	2,395	33	—	6,472	20	298	7,900
Butylene .....	2	-344	-160	—	—	-502	65	-87	-411
Isobutylene .....	—	—	—	—	—	—	—	—	1
Finished Motor Gasoline .....	21,606	25,707	10,462	9,542	1,519	68,836	11,717	45,669	304,660
Reformulated .....	7,530	6,854	—	—	—	14,384	—	31,291	92,360
Reformulated Blended with Fuel Ethanol .....	7,528	6,853	—	—	—	14,381	—	31,291	92,351
Reformulated Other .....	2	1	—	—	—	3	—	—	9
Conventional .....	14,076	18,853	10,462	9,542	1,519	54,452	11,717	14,378	212,300
Conventional Blended with Fuel Ethanol .....	13,561	1,862	4,998	10,018	1,490	31,929	9,821	14,706	184,949
Ed55 and Lower .....	13,553	1,861	4,998	9,999	1,489	31,900	9,792	14,693	184,580
Greater than Ed55 .....	8	1	—	19	1	29	29	13	369
Conventional Other .....	515	16,991	5,464	-476	29	22,523	1,896	-328	27,351
Finished Aviation Gasoline .....	86	87	187	—	—	360	7	-11	411
Kerosene-Type Jet Fuel .....	1,580	15,779	10,294	178	0	27,831	1,233	14,620	55,172
Kerosene .....	2	167	0	1	—	170	—	0	552
Distillate Fuel Oil .....	6,616	46,730	34,581	2,845	915	91,687	6,113	13,027	154,332
15 ppm sulfur and under .....	6,679	46,391	31,135	2,758	915	87,878	6,180	12,514	150,239
Greater than 15 ppm to 500 ppm sulfur .....	-63	-19	2,528	44	—	2,490	-43	247	2,771
Greater than 500 ppm sulfur .....	—	358	918	43	—	1,319	-24	266	1,322
Residual Fuel Oil .....	252	2,327	893	-14	45	3,503	351	2,380	8,199
Less than 0.31 percent sulfur .....	254	—	—	—	—	254	195	58	569
0.31 to 1.00 percent sulfur .....	-2	753	184	-14	—	921	29	657	2,626
Greater than 1.00 percent sulfur .....	0	1,574	709	—	45	2,328	127	1,665	5,004
Petrochemical Feedstocks .....	125	2,577	2,820	—	46	5,568	78	191	6,732
Naphtha for Petro. Feed. Use .....	124	1,667	1,535	—	—	3,326	—	—	3,811
Other Oils for Petro. Feed. Use .....	1	910	1,285	—	46	2,242	78	191	2,921
Special Naphthas .....	76	650	—	215	—	941	—	33	955
Lubricants .....	16	1,628	1,535	813	—	3,992	—	244	4,770
Waxes .....	—	43	63	20	—	126	—	—	161
Petroleum Coke .....	444	9,207	5,009	172	19	14,851	744	3,942	26,152
Marketable .....	204	7,276	3,959	156	—	11,595	524	2,967	19,943
Catalyst .....	240	1,931	1,050	16	19	3,256	220	975	6,209
Asphalt and Road Oil .....	231	499	654	1,097	38	2,519	1,086	952	10,973
Still Gas .....	900	6,580	3,825	368	73	11,746	690	3,693	21,928
Miscellaneous Products .....	133	1,087	519	19	9	1,767	65	398	2,810
<b>Total .....</b>	<b>33,055</b>	<b>122,184</b>	<b>76,572</b>	<b>15,342</b>	<b>2,701</b>	<b>249,854</b>	<b>22,555</b>	<b>87,153</b>	<b>622,896</b>
Processing Gain(-) or Loss(+) .....	-772	-10,997	-6,892	-326	-40	-19,027	-828	-4,783	-32,368

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2023**  
(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 .....	1,087	64	1,151	4,754	561	757	6,072
Natural Gas Liquids .....	734	64	798	3,536	449	556	4,541
Ethane .....	-	-	-	-	-	-	-
Propane .....	448	24	472	1,681	264	460	2,405
Normal Butane .....	302	65	367	2,041	243	157	2,441
Isobutane .....	-16	-25	-41	-186	-58	-61	-305
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	353	-	353	1,218	112	201	1,531
Ethylene .....	22	-	22	-	-	-	-
Propylene .....	306	-	306	964	112	201	1,277
Butylene .....	-	-	-	254	-	-	254
Isobutylene .....	25	-	25	-	-	-	-
Finished Motor Gasoline .....	95,515	7,351	102,866	51,878	11,255	16,677	79,810
Reformulated .....	36,980	38	37,018	8,365	1,492	767	10,624
Reformulated Blended with Fuel Ethanol .....	36,975	38	37,013	8,365	1,491	767	10,623
Reformulated Other .....	5	-	5	-	1	-	1
Conventional .....	58,535	7,313	65,848	43,513	9,763	15,910	69,186
Conventional Blended with Fuel Ethanol .....	58,870	7,333	66,203	41,316	9,874	14,528	65,718
Ed55 and Lower .....	58,780	7,333	66,113	41,289	9,818	14,369	65,476
Greater than Ed55 .....	90	-	90	27	56	159	242
Conventional Other .....	-335	-20	-355	2,197	-111	1,382	3,468
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	3,028	-	3,028	7,385	1,150	1,152	9,687
Kerosene .....	167	5	172	-11	-	18	7
Distillate Fuel Oil .....	6,591	865	7,456	22,069	5,706	10,464	38,239
15 ppm sulfur and under .....	6,707	861	7,568	22,026	5,800	10,338	38,164
Greater than 15 ppm to 500 ppm sulfur .....	17	-	17	-	-	235	235
Greater than 500 ppm sulfur .....	-133	4	-129	43	-94	-109	-160
Residual Fuel Oil .....	759	4	763	745	104	129	978
Less than 0.31 percent sulfur .....	-5	3	-2	67	-	-	67
0.31 to 1.00 percent sulfur .....	543	1	544	114	93	32	239
Greater than 1.00 percent sulfur .....	221	-	221	564	11	97	672
Petrochemical Feedstocks .....	-	16	16	964	-	-	964
Naphtha for Petro. Feed. Use .....	-	-	-	603	-	-	603
Other Oils for Petro. Feed. Use .....	-	16	16	361	-	-	361
Special Naphthas .....	-	13	13	-38	-	13	-25
Lubricants .....	175	188	363	-	-	216	216
Waxes .....	-	-21	-21	-	-	36	36
Petroleum Coke .....	637	21	658	4,084	696	985	5,765
Marketable .....	206	-	206	3,017	525	754	4,296
Catalyst .....	431	21	452	1,067	171	231	1,469
Asphalt and Road Oil .....	605	724	1,329	3,820	1,767	376	5,963
Still Gas .....	857	66	923	3,183	664	1,072	4,919
Miscellaneous Products .....	43	28	71	340	123	50	513
<b>Total .....</b>	<b>109,464</b>	<b>9,324</b>	<b>118,788</b>	<b>99,173</b>	<b>22,026</b>	<b>31,945</b>	<b>153,144</b>
Processing Gain(-) or Loss(+) .....	-1,028	58	-970	-5,026	-896	-1,732	-7,654

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2023**  
(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 .....	1,122	8,847	5,662	82	35	15,748	547	2,082	25,600
Natural Gas Liquids .....	745	5,796	3,336	44	35	9,956	471	1,932	17,698
Ethane .....	5	139	22	—	—	166	—	—	166
Propane .....	299	2,409	2,074	10	23	4,815	264	960	8,916
Normal Butane .....	394	3,696	1,141	34	12	5,277	212	840	9,137
Isobutane .....	47	-448	99	—	—	-302	-5	132	-521
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	377	3,051	2,326	38	—	5,792	76	150	7,902
Ethylene .....	—	8	—	—	—	8	—	—	30
Propylene .....	336	3,455	2,331	38	—	6,160	24	132	7,899
Butylene .....	41	-412	-5	—	—	-376	52	18	-52
Isobutylene .....	—	—	—	—	—	—	—	—	25
Finished Motor Gasoline .....	22,118	23,850	9,466	9,904	1,511	66,849	11,181	46,575	307,281
Reformulated .....	7,921	7,295	—	—	—	15,216	—	32,127	94,985
Reformulated Blended with Fuel Ethanol .....	7,917	7,293	—	—	—	15,210	—	32,127	94,973
Reformulated Other .....	4	2	—	—	—	6	—	—	12
Conventional .....	14,197	16,555	9,466	9,904	1,511	51,633	11,181	14,448	212,296
Conventional Blended with Fuel Ethanol .....	13,778	1,615	5,121	10,360	1,485	32,359	9,621	14,824	188,725
Ed55 and Lower .....	13,771	1,613	5,121	10,337	1,484	32,326	9,588	14,811	188,314
Greater than Ed55 .....	7	2	—	23	1	33	33	13	411
Conventional Other .....	419	14,940	4,345	-456	26	19,274	1,560	-376	23,571
Finished Aviation Gasoline .....	83	100	169	—	—	352	9	50	411
Kerosene-Type Jet Fuel .....	1,499	16,341	9,894	150	-2	27,882	1,324	14,615	56,536
Kerosene .....	25	125	1	7	—	158	1	0	338
Distillate Fuel Oil .....	6,326	45,060	34,043	2,905	1,037	89,371	6,169	14,308	155,543
15 ppm sulfur and under .....	6,316	44,239	30,654	2,770	1,037	85,016	6,157	13,504	150,409
Greater than 15 ppm to 500 ppm sulfur .....	10	247	2,621	84	—	2,962	-6	351	3,559
Greater than 500 ppm sulfur .....	—	574	768	51	—	1,393	18	453	1,575
Residual Fuel Oil .....	145	1,973	1,268	-44	70	3,412	363	2,830	8,346
Less than 0.31 percent sulfur .....	242	—	135	—	—	377	201	47	690
0.31 to 1.00 percent sulfur .....	-32	829	273	-44	—	1,026	31	676	2,516
Greater than 1.00 percent sulfur .....	-65	1,144	860	—	70	2,009	131	2,107	5,140
Petrochemical Feedstocks .....	141	2,886	2,479	—	35	5,541	28	95	6,644
Naphtha for Petro. Feed. Use .....	135	1,897	1,390	—	—	3,422	—	—	4,025
Other Oils for Petro. Feed. Use .....	6	989	1,089	—	35	2,119	28	95	2,619
Special Naphthas .....	76	670	—	231	—	977	—	25	990
Lubricants .....	14	1,640	1,757	566	—	3,977	—	223	4,779
Waxes .....	—	41	63	9	—	113	—	—	128
Petroleum Coke .....	402	8,661	5,352	179	19	14,613	735	3,948	25,719
Marketable .....	178	6,818	4,265	163	—	11,424	517	2,986	19,429
Catalyst .....	224	1,843	1,087	16	19	3,189	218	962	6,290
Asphalt and Road Oil .....	177	535	402	1,021	63	2,198	1,136	941	11,567
Still Gas .....	752	6,388	3,898	364	71	11,473	680	3,819	21,814
Miscellaneous Products .....	107	1,025	490	18	8	1,648	71	388	2,691
<b>Total .....</b>	<b>32,987</b>	<b>118,142</b>	<b>74,944</b>	<b>15,392</b>	<b>2,847</b>	<b>244,312</b>	<b>22,244</b>	<b>89,899</b>	<b>628,387</b>
Processing Gain(-) or Loss(+) .....	-697	-10,762	-6,986	84	-155	-18,516	-824	-5,231	-33,195

— = No Data Reported.

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 Report."



**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2023**  
(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 .....	411	26	437	2,609	98	551	3,258
Natural Gas Liquids .....	101	26	127	1,592	-26	401	1,967
Ethane .....	-	-	-	-	-	-	-
Propane .....	369	24	393	1,559	194	396	2,149
Normal Butane .....	-210	19	-191	269	-145	82	206
Isobutane .....	-58	-17	-75	-236	-75	-77	-388
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	310	-	310	1,017	124	150	1,291
Ethylene .....	13	-	13	-	-	-	-
Propylene .....	279	-	279	881	124	118	1,123
Butylene .....	1	-	1	136	-	32	168
Isobutylene .....	17	-	17	-	-	-	-
Finished Motor Gasoline .....	88,383	6,732	95,115	48,647	10,104	15,370	74,121
Reformulated .....	34,946	33	34,979	7,848	1,415	687	9,950
Reformulated Blended with Fuel Ethanol .....	34,942	33	34,975	7,848	1,414	687	9,949
Reformulated Other .....	4	-	4	-	1	-	1
Conventional .....	53,437	6,699	60,136	40,799	8,689	14,683	64,171
Conventional Blended with Fuel Ethanol .....	54,162	6,704	60,866	38,272	8,840	13,623	60,735
Ed55 and Lower .....	54,078	6,704	60,782	38,247	8,792	13,478	60,517
Greater than Ed55 .....	84	-	84	25	48	145	218
Conventional Other .....	-725	-5	-730	2,527	-151	1,060	3,436
Finished Aviation Gasoline .....	-	-	-	-	1	-	1
Kerosene-Type Jet Fuel .....	2,235	-	2,235	6,863	816	707	8,386
Kerosene .....	-13	2	-11	121	-	-16	105
Distillate Fuel Oil .....	6,187	808	6,995	21,642	4,221	8,774	34,637
15 ppm sulfur and under .....	6,339	804	7,143	21,695	4,246	8,844	34,785
Greater than 15 ppm to 500 ppm sulfur .....	15	-	15	-	-	37	37
Greater than 500 ppm sulfur .....	-167	4	-163	-53	-25	-107	-185
Residual Fuel Oil .....	646	3	649	717	113	140	970
Less than 0.31 percent sulfur .....	-8	2	-6	81	-	-	81
0.31 to 1.00 percent sulfur .....	552	1	553	222	67	26	315
Greater than 1.00 percent sulfur .....	102	-	102	414	46	114	574
Petrochemical Feedstocks .....	-	17	17	843	-	-	843
Naphtha for Petro. Feed. Use .....	-	-	-	498	-	-	498
Other Oils for Petro. Feed. Use .....	-	17	17	345	-	-	345
Special Naphthas .....	-	18	18	-40	-	12	-28
Lubricants .....	185	172	357	-	-	121	121
Waxes .....	-	-20	-20	-	-	25	25
Petroleum Coke .....	614	19	633	4,141	566	808	5,515
Marketable .....	236	-	236	3,040	412	587	4,039
Catalyst .....	378	19	397	1,101	154	221	1,476
Asphalt and Road Oil .....	422	712	1,134	2,928	1,661	374	4,963
Still Gas .....	742	52	794	2,966	470	822	4,258
Miscellaneous Products .....	50	7	57	341	65	54	460
<b>Total .....</b>	<b>99,862</b>	<b>8,548</b>	<b>108,410</b>	<b>91,778</b>	<b>18,115</b>	<b>27,742</b>	<b>137,635</b>
Processing Gain(-) or Loss(+) .....	-899	38	-861	-4,902	-867	-1,028	-6,797

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2023**  
(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 .....	830	7,084	4,707	48	28	12,697	349	1,645	18,386
Natural Gas Liquids .....	512	4,347	2,387	18	28	7,292	208	1,534	11,128
Ethane .....	6	124	36	—	—	166	—	—	166
Propane .....	265	2,438	1,784	14	25	4,526	231	924	8,223
Normal Butane .....	251	2,246	443	4	3	2,947	-33	540	3,469
Isobutane .....	-10	-461	124	—	—	-347	10	70	-730
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	318	2,737	2,320	30	—	5,405	141	111	7,258
Ethylene .....	—	4	—	—	—	4	—	—	17
Propylene .....	324	3,077	2,340	30	—	5,771	27	161	7,361
Butylene .....	-6	-344	-20	—	—	-370	114	-50	-137
Isobutylene .....	—	—	—	—	—	—	—	—	17
Finished Motor Gasoline .....	21,082	25,693	9,149	9,281	1,475	66,680	11,164	43,371	290,451
Reformulated .....	7,373	6,876	—	—	—	14,249	293	30,214	89,685
Reformulated Blended with Fuel Ethanol .....	7,370	6,875	—	—	—	14,245	293	30,214	89,676
Reformulated Other .....	3	1	—	—	—	4	—	—	9
Conventional .....	13,709	18,817	9,149	9,281	1,475	52,431	10,871	13,157	200,766
Conventional Blended with Fuel Ethanol .....	13,263	1,512	4,759	9,703	1,448	30,685	8,897	13,796	174,979
Ed55 and Lower .....	13,257	1,511	4,759	9,682	1,447	30,656	8,867	13,776	174,598
Greater than Ed55 .....	6	1	—	21	1	29	30	20	381
Conventional Other .....	446	17,305	4,390	-422	27	21,746	1,974	-639	25,787
Finished Aviation Gasoline .....	99	54	160	—	—	313	3	46	363
Kerosene-Type Jet Fuel .....	1,507	14,903	10,591	140	0	27,141	1,110	13,618	52,490
Kerosene .....	-17	356	0	12	—	351	—	-2	443
Distillate Fuel Oil .....	5,842	45,172	29,003	2,919	1,037	83,973	6,642	14,654	146,901
15 ppm sulfur and under .....	5,861	44,464	25,314	2,782	1,037	79,458	6,659	13,906	141,951
Greater than 15 ppm to 500 ppm sulfur .....	-19	269	2,253	53	—	2,556	-7	350	2,951
Greater than 500 ppm sulfur .....	—	439	1,436	84	—	1,959	-10	398	1,999
Residual Fuel Oil .....	272	1,609	1,732	-25	-7	3,581	412	2,238	7,850
Less than 0.31 percent sulfur .....	248	—	563	—	—	811	198	53	1,137
0.31 to 1.00 percent sulfur .....	-2	722	226	-25	—	921	38	608	2,435
Greater than 1.00 percent sulfur .....	26	887	943	—	-7	1,849	176	1,577	4,278
Petrochemical Feedstocks .....	113	2,823	2,262	—	49	5,247	55	82	6,244
Naphtha for Petro. Feed. Use .....	103	2,228	1,434	—	—	3,765	—	—	4,263
Other Oils for Petro. Feed. Use .....	10	595	828	—	49	1,482	55	82	1,981
Special Naphthas .....	85	555	—	199	—	839	—	14	843
Lubricants .....	15	1,138	1,583	838	—	3,574	—	419	4,471
Waxes .....	—	19	57	19	—	95	—	—	100
Petroleum Coke .....	430	8,657	5,015	164	21	14,287	662	3,898	24,995
Marketable .....	208	7,021	3,866	147	—	11,242	439	2,966	18,922
Catalyst .....	222	1,636	1,149	17	21	3,045	223	932	6,073
Asphalt and Road Oil .....	179	393	343	1,058	46	2,019	1,174	874	10,164
Still Gas .....	660	6,058	3,672	334	72	10,796	681	3,685	20,214
Miscellaneous Products .....	132	972	453	18	9	1,584	59	371	2,531
<b>Total .....</b>	<b>31,229</b>	<b>115,486</b>	<b>68,727</b>	<b>15,005</b>	<b>2,730</b>	<b>233,177</b>	<b>22,311</b>	<b>84,913</b>	<b>586,446</b>
Processing Gain(-) or Loss(+) .....	-668	-10,719	-6,992	-135	-67	-18,581	-754	-5,139	-32,132

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2023**  
(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 .....	543	13	556	908	-170	365	1,103
Natural Gas Liquids .....	233	13	246	144	-312	222	54
Ethane .....	-	-	-	-	-	-	-
Propane .....	306	25	331	1,588	224	421	2,233
Normal Butane .....	-129	2	-127	-1,255	-534	-159	-1,948
Isobutane .....	56	-14	42	-189	-2	-40	-231
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	310	-	310	764	142	143	1,049
Ethylene .....	11	-	11	-	-	-	-
Propylene .....	288	-	288	721	142	140	1,003
Butylene .....	-13	-	-13	43	-	3	46
Isobutylene .....	24	-	24	-	-	-	-
Finished Motor Gasoline .....	93,129	7,110	100,239	49,690	10,924	16,232	76,846
Reformulated .....	36,909	27	36,936	8,181	1,616	762	10,559
Reformulated Blended with Fuel Ethanol .....	36,908	27	36,935	8,181	1,615	762	10,558
Reformulated Other .....	1	-	1	-	1	-	1
Conventional .....	56,220	7,083	63,303	41,509	9,308	15,470	66,287
Conventional Blended with Fuel Ethanol .....	57,004	7,099	64,103	39,284	9,423	14,349	63,056
Ed55 and Lower .....	56,912	7,099	64,011	39,256	9,377	14,209	62,842
Greater than Ed55 .....	92	-	92	28	46	140	214
Conventional Other .....	-784	-16	-800	2,225	-115	1,121	3,231
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	1,568	-	1,568	6,456	903	769	8,128
Kerosene .....	63	3	66	-24	-	-20	-44
Distillate Fuel Oil .....	5,276	875	6,151	20,293	3,990	9,639	33,922
15 ppm sulfur and under .....	5,336	873	6,209	20,328	3,988	9,619	33,935
Greater than 15 ppm to 500 ppm sulfur .....	67	-	67	-	-	195	195
Greater than 500 ppm sulfur .....	-127	2	-125	-35	2	-175	-208
Residual Fuel Oil .....	627	5	632	629	157	168	954
Less than 0.31 percent sulfur .....	0	4	4	39	-	-	39
0.31 to 1.00 percent sulfur .....	626	1	627	180	64	36	280
Greater than 1.00 percent sulfur .....	1	-	1	410	93	132	635
Petrochemical Feedstocks .....	-	16	16	873	-	-	873
Naphtha for Petro. Feed. Use .....	-	-	-	536	-	-	536
Other Oils for Petro. Feed. Use .....	-	16	16	337	-	-	337
Special Naphthas .....	-	12	12	-24	-	10	-14
Lubricants .....	184	215	399	-	-	-3	-3
Waxes .....	-	-3	-3	-	-	-2	-2
Petroleum Coke .....	599	19	618	4,058	955	790	5,803
Marketable .....	246	-	246	2,994	807	570	4,371
Catalyst .....	353	19	372	1,064	148	220	1,432
Asphalt and Road Oil .....	494	726	1,220	2,879	1,524	330	4,733
Still Gas .....	632	56	688	2,906	486	901	4,293
Miscellaneous Products .....	45	16	61	333	60	61	454
<b>Total .....</b>	<b>103,160</b>	<b>9,063</b>	<b>112,223</b>	<b>88,977</b>	<b>18,829</b>	<b>29,240</b>	<b>137,046</b>
Processing Gain(-) or Loss(+) .....	-1,016	53	-963	-4,904	-1,234	-876	-7,014

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2023**  
(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 .....	439	5,578	5,089	12	9	11,127	245	-174	12,857
Natural Gas Liquids .....	144	3,066	2,607	-9	9	5,817	139	-278	5,978
Ethane .....	2	156	317	—	—	475	—	—	475
Propane .....	258	2,575	1,854	19	28	4,734	239	801	8,338
Normal Butane .....	-73	754	142	-28	-19	776	-61	-1,031	-2,391
Isobutane .....	-43	-419	294	—	—	-168	-39	-48	-444
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	295	2,512	2,482	21	—	5,310	106	104	6,879
Ethylene .....	—	55	71	—	—	126	—	—	137
Propylene .....	297	3,040	2,417	21	—	5,775	18	162	7,246
Butylene .....	-2	-583	-7	—	—	-592	88	-58	-529
Isobutylene .....	—	—	1	—	—	1	—	—	25
Finished Motor Gasoline .....	21,826	24,438	10,431	9,744	1,557	67,996	11,423	45,189	301,693
Reformulated .....	7,808	7,194	—	—	—	15,002	795	31,232	94,524
Reformulated Blended with Fuel Ethanol .....	7,806	7,192	—	—	—	14,998	795	31,232	94,518
Reformulated Other .....	2	2	—	—	—	4	—	—	6
Conventional .....	14,018	17,244	10,431	9,744	1,557	52,994	10,628	13,957	207,169
Conventional Blended with Fuel Ethanol .....	13,783	1,560	4,923	10,105	1,476	31,847	8,575	14,445	182,026
Ed55 and Lower .....	13,775	1,559	4,923	10,085	1,475	31,817	8,575	14,426	181,671
Greater than Ed55 .....	8	1	—	20	1	30	—	19	355
Conventional Other .....	235	15,684	5,508	-361	81	21,147	2,053	-488	25,143
Finished Aviation Gasoline .....	76	117	217	—	—	410	7	33	450
Kerosene-Type Jet Fuel .....	1,377	14,130	10,838	159	0	26,504	1,150	12,612	49,962
Kerosene .....	-9	196	0	19	—	206	—	1	229
Distillate Fuel Oil .....	4,503	47,203	29,920	2,836	1,079	85,541	6,877	14,286	146,777
15 ppm sulfur and under .....	4,497	46,185	25,576	2,784	1,079	80,121	6,937	13,669	140,871
Greater than 15 ppm to 500 ppm sulfur .....	6	268	2,545	70	—	2,889	-35	251	3,367
Greater than 500 ppm sulfur .....	—	750	1,799	-18	—	2,531	-25	366	2,539
Residual Fuel Oil .....	386	1,998	1,506	-23	45	3,912	367	2,524	8,389
Less than 0.31 percent sulfur .....	254	—	625	—	—	879	208	51	1,181
0.31 to 1.00 percent sulfur .....	-12	661	310	-23	—	936	32	654	2,529
Greater than 1.00 percent sulfur .....	144	1,337	571	—	45	2,097	127	1,819	4,679
Petrochemical Feedstocks .....	68	2,901	2,158	—	41	5,168	28	131	6,216
Naphtha for Petro. Feed. Use .....	65	1,882	1,306	—	—	3,253	—	—	3,789
Other Oils for Petro. Feed. Use .....	3	1,019	852	—	41	1,915	28	131	2,427
Special Naphthas .....	13	687	—	239	—	939	—	18	955
Lubricants .....	2	1,157	1,691	818	—	3,668	—	339	4,403
Waxes .....	—	44	62	22	—	128	—	—	123
Petroleum Coke .....	228	8,044	4,940	173	20	13,405	650	3,335	23,811
Marketable .....	30	6,434	3,917	156	—	10,537	422	2,529	18,105
Catalyst .....	198	1,610	1,023	17	20	2,868	228	806	5,706
Asphalt and Road Oil .....	280	291	648	1,121	51	2,391	1,201	844	10,389
Still Gas .....	501	5,497	3,509	324	71	9,902	686	3,254	18,823
Miscellaneous Products .....	105	1,042	479	19	8	1,653	86	347	2,601
<b>Total .....</b>	<b>29,795</b>	<b>113,323</b>	<b>71,488</b>	<b>15,463</b>	<b>2,881</b>	<b>232,950</b>	<b>22,720</b>	<b>82,739</b>	<b>587,678</b>
Processing Gain(-) or Loss(+) .....	-557	-9,888	-7,963	-259	-29	-18,696	-991	-4,298	-31,962

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2023**  
(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 .....	509	-4	505	337	-369	163	131
Natural Gas Liquids .....	151	-4	147	-331	-516	-18	-865
Ethane .....	-	-	-	-	-	-	-
Propane .....	363	23	386	1,299	274	504	2,077
Normal Butane .....	-216	-12	-228	-1,428	-765	-496	-2,689
Isobutane .....	4	-15	-11	-202	-25	-26	-253
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	358	-	358	668	147	181	996
Ethylene .....	22	-	22	-	-	-	-
Propylene .....	328	-	328	664	147	179	990
Butylene .....	-1	-	-1	4	-	2	6
Isobutylene .....	9	-	9	-	-	-	-
Finished Motor Gasoline .....	89,273	6,873	96,146	47,694	10,315	15,886	73,895
Reformulated .....	35,603	24	35,627	8,082	1,503	739	10,324
Reformulated Blended with Fuel Ethanol .....	35,602	24	35,626	8,082	1,502	739	10,323
Reformulated Other .....	1	-	1	-	1	-	1
Conventional .....	53,670	6,849	60,519	39,612	8,812	15,147	63,571
Conventional Blended with Fuel Ethanol .....	54,411	6,861	61,272	37,499	8,977	13,763	60,239
Ed55 and Lower .....	54,325	6,861	61,186	37,475	8,935	13,630	60,040
Greater than Ed55 .....	86	-	86	24	42	133	199
Conventional Other .....	-741	-12	-753	2,113	-165	1,384	3,332
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	2,206	-	2,206	6,683	894	986	8,563
Kerosene .....	151	4	155	66	-	115	181
Distillate Fuel Oil .....	6,521	881	7,402	19,119	5,605	10,887	35,611
15 ppm sulfur and under .....	6,533	878	7,411	19,110	5,572	10,863	35,545
Greater than 15 ppm to 500 ppm sulfur .....	106	-	106	-	-	130	130
Greater than 500 ppm sulfur .....	-118	3	-115	9	33	-106	-64
Residual Fuel Oil .....	996	1	997	680	218	184	1,082
Less than 0.31 percent sulfur .....	157	1	158	74	-	-	74
0.31 to 1.00 percent sulfur .....	662	-	662	181	97	33	311
Greater than 1.00 percent sulfur .....	177	-	177	425	121	151	697
Petrochemical Feedstocks .....	-	16	16	731	-	-	731
Naphtha for Petro. Feed. Use .....	-	-	-	439	-	-	439
Other Oils for Petro. Feed. Use .....	-	16	16	292	-	-	292
Special Naphthas .....	-	-2	-2	-52	-	9	-43
Lubricants .....	201	198	399	-	-	118	118
Waxes .....	-	-10	-10	-	-	14	14
Petroleum Coke .....	632	18	650	3,996	839	997	5,832
Marketable .....	252	-	252	3,038	682	743	4,463
Catalyst .....	380	18	398	958	157	254	1,369
Asphalt and Road Oil .....	330	668	998	2,873	1,639	317	4,829
Still Gas .....	757	50	807	2,808	607	1,107	4,522
Miscellaneous Products .....	46	17	63	325	91	60	476
<b>Total .....</b>	<b>101,622</b>	<b>8,710</b>	<b>110,332</b>	<b>85,260</b>	<b>19,839</b>	<b>30,843</b>	<b>135,942</b>
Processing Gain(-) or Loss(+) .....	-1,016	41	-975	-5,161	-1,189	-1,338	-7,688

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2023**  
(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 .....	336	4,848	4,632	-30	11	9,797	139	-577	9,995
Natural Gas Liquids .....	-9	1,989	1,451	-52	11	3,390	45	-750	1,967
Ethane .....	1	208	133	—	—	342	—	—	342
Propane .....	265	2,605	1,452	17	30	4,369	236	792	7,860
Normal Butane .....	-220	-468	-147	-69	-19	-923	-225	-1,605	-5,670
Isobutane .....	-55	-356	13	—	—	-398	34	63	-565
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	345	2,859	3,181	22	—	6,407	94	173	8,028
Ethylene .....	—	87	100	—	—	187	—	—	209
Propylene .....	350	3,253	3,067	22	—	6,692	23	159	8,192
Butylene .....	-5	-481	13	—	—	-473	71	14	-383
Isobutylene .....	—	—	1	—	—	1	—	—	10
Finished Motor Gasoline .....	20,740	24,978	11,188	9,198	1,371	67,475	10,984	42,727	291,227
Reformulated .....	7,678	6,737	—	—	—	14,415	1,504	29,182	91,052
Reformulated Blended with Fuel Ethanol .....	7,678	6,735	—	—	—	14,413	1,504	29,182	91,048
Reformulated Other .....	0	2	—	—	—	2	—	—	4
Conventional .....	13,062	18,241	11,188	9,198	1,371	53,060	9,480	13,545	200,175
Conventional Blended with Fuel Ethanol .....	12,927	1,494	4,590	9,586	1,408	30,005	7,483	13,544	172,543
Ed55 and Lower .....	12,919	1,493	4,590	9,568	1,407	29,977	7,483	13,527	172,213
Greater than Ed55 .....	8	1	—	18	1	28	—	17	330
Conventional Other .....	135	16,747	6,598	-388	-37	23,055	1,997	1	27,632
Finished Aviation Gasoline .....	81	69	65	—	—	215	3	-1	217
Kerosene-Type Jet Fuel .....	1,167	14,742	10,659	133	0	26,701	993	12,530	50,993
Kerosene .....	14	299	1	16	—	330	1	0	667
Distillate Fuel Oil .....	4,727	47,796	33,729	2,598	1,053	89,903	6,476	13,637	153,029
15 ppm sulfur and under .....	4,728	46,784	30,337	2,529	1,053	85,431	6,442	12,711	147,540
Greater than 15 ppm to 500 ppm sulfur .....	-1	253	2,306	73	—	2,631	-6	282	3,143
Greater than 500 ppm sulfur .....	—	759	1,086	-4	—	1,841	40	644	2,346
Residual Fuel Oil .....	251	1,636	1,572	-29	11	3,441	364	2,831	8,715
Less than 0.31 percent sulfur .....	252	—	637	—	—	889	223	53	1,397
0.31 to 1.00 percent sulfur .....	-1	527	359	-29	—	856	20	558	2,407
Greater than 1.00 percent sulfur .....	0	1,109	576	—	11	1,696	121	2,220	4,911
Petrochemical Feedstocks .....	85	3,661	2,067	—	38	5,851	25	53	6,676
Naphtha for Petro. Feed. Use .....	78	2,768	1,253	—	—	4,099	—	—	4,538
Other Oils for Petro. Feed. Use .....	7	893	814	—	38	1,752	25	53	2,138
Special Naphthas .....	23	746	—	230	—	999	—	18	972
Lubricants .....	13	1,388	1,378	790	—	3,569	—	202	4,288
Waxes .....	—	44	58	26	—	128	—	—	132
Petroleum Coke .....	212	8,419	5,464	118	23	14,236	681	3,255	24,654
Marketable .....	34	6,660	4,398	101	—	11,193	465	2,449	18,822
Catalyst .....	178	1,759	1,066	17	23	3,043	216	806	5,832
Asphalt and Road Oil .....	210	258	358	959	50	1,835	859	555	9,076
Still Gas .....	498	5,457	3,610	304	78	9,947	639	3,272	19,187
Miscellaneous Products .....	116	1,013	503	15	9	1,656	65	342	2,602
<b>Total .....</b>	<b>28,473</b>	<b>115,354</b>	<b>75,284</b>	<b>14,328</b>	<b>2,644</b>	<b>236,083</b>	<b>21,229</b>	<b>78,844</b>	<b>582,430</b>
Processing Gain(-) or Loss(+) .....	-385	-10,538	-7,079	82	-102	-18,022	-788	-4,167	-31,640

— = No Data Reported.

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 Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, December 2023**  
(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 .....	300	-7	293	510	-374	32	168
Natural Gas Liquids .....	-8	-7	-15	-338	-558	-185	-1,081
Ethane .....	-	-	-	-	-	-	-
Propane .....	440	26	466	1,513	275	513	2,301
Normal Butane .....	-417	-14	-431	-1,720	-800	-733	-3,253
Isobutane .....	-31	-19	-50	-131	-33	35	-129
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	308	-	308	848	184	217	1,249
Ethylene .....	4	-	4	-	-	-	-
Propylene .....	293	-	293	777	184	220	1,181
Butylene .....	-	-	-	71	-	-3	68
Isobutylene .....	11	-	11	-	-	-	-
Finished Motor Gasoline .....	88,240	6,700	94,940	47,435	10,162	15,365	72,962
Reformulated .....	35,755	27	35,782	8,134	1,535	695	10,364
Reformulated Blended with Fuel Ethanol .....	35,755	27	35,782	8,134	1,534	695	10,363
Reformulated Other .....	-	-	-	-	1	-	1
Conventional .....	52,485	6,673	59,158	39,301	8,627	14,670	62,598
Conventional Blended with Fuel Ethanol .....	53,440	6,661	60,101	37,547	8,715	13,558	59,820
Ed55 and Lower .....	53,360	6,660	60,020	37,525	8,672	13,428	59,625
Greater than Ed55 .....	80	1	81	22	43	130	195
Conventional Other .....	-955	12	-943	1,754	-88	1,112	2,778
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	2,968	-	2,968	7,371	968	943	9,282
Kerosene .....	74	2	76	119	-	93	212
Distillate Fuel Oil .....	6,947	873	7,820	22,322	5,734	10,989	39,045
15 ppm sulfur and under .....	6,954	871	7,825	22,392	5,735	11,101	39,228
Greater than 15 ppm to 500 ppm sulfur .....	168	-	168	-	-	21	21
Greater than 500 ppm sulfur .....	-175	2	-173	-70	-1	-133	-204
Residual Fuel Oil .....	1,105	1	1,106	665	209	169	1,043
Less than 0.31 percent sulfur .....	365	-	365	34	-	-	34
0.31 to 1.00 percent sulfur .....	555	1	556	216	116	28	360
Greater than 1.00 percent sulfur .....	185	-	185	415	93	141	649
Petrochemical Feedstocks .....	-	16	16	882	-	-	882
Naphtha for Petro. Feed. Use .....	-	-	-	534	-	-	534
Other Oils for Petro. Feed. Use .....	-	16	16	348	-	-	348
Special Naphthas .....	-	-2	-2	-22	-	13	-9
Lubricants .....	162	197	359	-	-	256	256
Waxes .....	-	-8	-8	-	-	58	58
Petroleum Coke .....	696	19	715	4,217	907	997	6,121
Marketable .....	257	-	257	3,147	740	730	4,617
Catalyst .....	439	19	458	1,070	167	267	1,504
Asphalt and Road Oil .....	298	684	982	2,547	1,485	304	4,336
Still Gas .....	889	53	942	2,918	633	1,036	4,587
Miscellaneous Products .....	48	23	71	353	124	61	538
<b>Total .....</b>	<b>101,727</b>	<b>8,551</b>	<b>110,278</b>	<b>89,317</b>	<b>19,848</b>	<b>30,316</b>	<b>139,481</b>
Processing Gain(-) or Loss(+) .....	-1,303	49	-1,254	-5,084	-1,219	-1,319	-7,622

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, December 2023**  
(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 .....	243	5,816	4,512	-22	3	10,552	17	-327	10,703
Natural Gas Liquids .....	-60	2,303	1,669	-44	3	3,871	-40	-532	2,203
Ethane .....	3	212	111	—	—	326	—	—	326
Propane .....	327	2,781	1,786	20	29	4,943	223	853	8,786
Normal Butane .....	-366	-358	-273	-64	-26	-1,087	-259	-1,441	-6,471
Isobutane .....	-24	-332	45	—	—	-311	-4	56	-438
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	303	3,513	2,843	22	—	6,681	57	205	8,500
Ethylene .....	—	88	99	—	—	187	—	—	191
Propylene .....	308	3,664	2,858	22	—	6,852	8	214	8,548
Butylene .....	-5	-240	-115	—	—	-360	49	-9	-252
Isobutylene .....	—	1	1	—	—	2	—	—	13
Finished Motor Gasoline .....	20,440	29,512	12,366	9,198	1,444	72,960	10,969	42,918	294,749
Reformulated .....	7,244	6,479	—	—	—	13,723	2,063	29,717	91,649
Reformulated Blended with Fuel Ethanol .....	7,243	6,478	—	—	—	13,721	2,063	29,717	91,646
Reformulated Other .....	1	1	—	—	—	2	—	—	3
Conventional .....	13,196	23,033	12,366	9,198	1,444	59,237	8,906	13,201	203,100
Conventional Blended with Fuel Ethanol .....	12,868	1,479	4,684	9,613	1,400	30,044	6,779	13,576	170,320
Ed55 and Lower .....	12,861	1,478	4,684	9,596	1,399	30,018	6,779	13,560	170,002
Greater than Ed55 .....	7	1	—	17	1	26	—	16	318
Conventional Other .....	328	21,554	7,682	-415	44	29,193	2,127	-375	32,780
Finished Aviation Gasoline .....	102	136	102	—	—	340	6	82	428
Kerosene-Type Jet Fuel .....	1,435	16,456	11,008	148	0	29,047	1,039	14,334	56,670
Kerosene .....	3	390	1	23	—	417	—	2	707
Distillate Fuel Oil .....	6,126	49,563	35,996	2,918	891	95,494	6,180	14,026	162,565
15 ppm sulfur and under .....	6,127	48,794	31,818	2,796	891	90,426	6,143	12,970	156,592
Greater than 15 ppm to 500 ppm sulfur .....	-1	278	2,916	82	—	3,275	18	449	3,931
Greater than 500 ppm sulfur .....	—	491	1,262	40	—	1,793	19	607	2,042
Residual Fuel Oil .....	307	2,166	1,552	-25	52	4,052	339	2,369	8,909
Less than 0.31 percent sulfur .....	225	—	675	—	—	900	230	42	1,571
0.31 to 1.00 percent sulfur .....	-4	829	359	-25	—	1,159	15	904	2,994
Greater than 1.00 percent sulfur .....	86	1,337	518	—	52	1,993	94	1,423	4,344
Petrochemical Feedstocks .....	109	3,951	1,806	—	34	5,900	31	69	6,898
Naphtha for Petro. Feed. Use .....	102	2,858	917	—	—	3,877	—	—	4,411
Other Oils for Petro. Feed. Use .....	7	1,093	889	—	34	2,023	31	69	2,487
Special Naphthas .....	70	598	—	238	—	906	—	20	915
Lubricants .....	15	1,572	1,565	907	—	4,059	—	360	5,034
Waxes .....	—	50	56	31	—	137	—	—	187
Petroleum Coke .....	322	8,152	5,643	181	24	14,322	693	3,685	25,536
Marketable .....	116	6,199	4,600	164	—	11,079	477	2,780	19,210
Catalyst .....	206	1,953	1,043	17	24	3,243	216	905	6,326
Asphalt and Road Oil .....	231	364	223	943	16	1,777	858	668	8,621
Still Gas .....	651	5,828	3,565	384	78	10,506	651	3,542	20,228
Miscellaneous Products .....	128	983	520	20	6	1,657	54	389	2,709
<b>Total .....</b>	<b>30,182</b>	<b>125,537</b>	<b>78,915</b>	<b>14,944</b>	<b>2,548</b>	<b>252,126</b>	<b>20,837</b>	<b>82,137</b>	<b>604,859</b>
Processing Gain(-) or Loss(+) .....	-646	-9,814	-7,638	-304	-72	-18,474	-789	-4,895	-33,034

— = No Data Reported.

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 Report."