

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	20,908	2,891	23,799	70,794	16,250	26,653	113,697
Hydrocarbon Gas Liquids	413	-	413	2,692	57	517	3,266
Natural Gas Liquids	413	-	413	2,692	57	517	3,266
Normal Butane	268	-	268	786	-	45	831
Isobutane	145	-	145	1,359	57	357	1,773
Natural Gasoline	-	-	-	547	-	115	662
Other Liquids	-9,224	-49	-9,273	-38,047	-6,112	-11,335	-55,494
Hydrogen/Biofuels/Other Hydrocarbons	143	153	296	985	476	456	1,917
Hydrogen	81	14	95	755	301	204	1,260
Biofuels (Including Fuel Ethanol)	62	139	201	213	175	252	640
Fuel Ethanol	62	114	176	180	160	142	482
Biodiesel	-	25	25	33	15	26	74
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	84	84
Other Hydrocarbons	-	-	-	17	-	-	17
Unfinished Oils (net)	1,308	-169	1,139	-960	89	-561	-1,432
Naphthas and Lighter	-143	-95	-238	7	3	123	133
Kerosene and Light Gas Oils	124	-	124	-231	66	-193	-358
Heavy Gas Oils	21	-69	-48	-741	20	-299	-1,020
Residuum	1,306	-5	1,301	5	-	-192	-187
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,675	-33	-10,708	-38,072	-6,677	-11,230	-55,979
Reformulated - RBOB	-6,447	-	-6,447	-6,918	-	-	-6,918
Conventional	-4,228	-33	-4,261	-31,154	-6,677	-11,230	-49,061
CBOB	-3,340	-54	-3,394	-29,835	-6,392	-11,301	-47,528
GTAB	-	-	-	-	-	-	-
Other	-888	21	-867	-1,319	-285	71	-1,533
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	12,097	2,842	14,939	35,439	10,195	15,835	61,469
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	728	93	822	2,274	537	858	3,669
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	93.4	95.1	93.6	83.3	97.8	92.4	87.2
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	120	15	134	433	71	165	669
Catalytic Cracking	225	16	241	678	134	191	1,003
Catalytic Hydrocracking	41	-	41	144	63	46	253
Delayed and Fluid Coking	36	-	36	315	72	82	469
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.77	1.80	0.89	1.68	1.90	0.58	1.45
API Gravity, Weighted Average (degrees)	37.64	31.54	36.86	32.45	26.70	40.03	33.31
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,580	511	858	3,949
Idle	-	-	-	149	38	70	257
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,620	134,160	90,881	7,071	2,244	252,976	14,653	62,558	467,683
Hydrocarbon Gas Liquids	635	6,198	4,737	86	94	11,750	470	1,136	17,035
Natural Gas Liquids	635	6,198	4,737	86	94	11,750	470	1,136	17,035
Normal Butane	281	2,813	2,565	40	—	5,699	210	609	7,617
Isobutane	330	2,415	1,360	43	94	4,242	133	507	6,800
Natural Gasoline	24	970	812	3	—	1,809	127	20	2,618
Other Liquids	-8,912	-52,222	-31,333	-1,783	-1,437	-95,687	-3,885	-28,604	-192,943
Hydrogen/Biofuels/Other Hydrocarbons	254	2,198	1,790	111	81	4,434	361	1,682	8,690
Hydrogen	78	2,062	1,440	64	46	3,690	172	1,275	6,492
Biofuels (Including Fuel Ethanol)	176	136	350	47	35	744	189	407	2,181
Fuel Ethanol	139	40	190	45	5	419	165	126	1,368
Biodiesel	37	—	39	2	6	84	—	11	194
Renewable Diesel Fuel	—	—	—	—	—	—	—	256	256
Other Biofuels ¹	—	96	121	—	24	241	24	14	363
Other Hydrocarbons	—	—	—	—	—	—	—	—	17
Unfinished Oils (net)	437	-509	8,239	-200	-276	7,691	-267	1,548	8,679
Naphthas and Lighter	385	-5,514	1,196	-35	-3	-3,971	-117	270	-3,923
Kerosene and Light Gas Oils	234	-551	-1,198	-55	-164	-1,734	-99	-602	-2,669
Heavy Gas Oils	-94	2,086	6,467	-31	-109	8,319	-128	1,800	8,923
Residuum	-88	3,470	1,774	-79	—	5,077	77	80	6,348
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,614	-53,911	-41,368	-1,694	-1,242	-107,829	-3,979	-31,834	-210,329
Reformulated - RBOB	-937	-11,652	-1,542	—	-478	-14,609	—	-23,620	-51,594
Conventional	-8,677	-42,259	-39,826	-1,694	-764	-93,220	-3,979	-8,214	-158,735
CBOB	-8,557	-33,088	-36,377	-1,651	-756	-80,429	-4,174	-8,317	-143,842
GTAB	—	—	—	—	—	—	—	—	—
Other	-120	-9,171	-3,449	-43	-8	-12,791	195	103	-14,893
Aviation Gasoline Blend. Comp. (net)	11	—	6	—	—	17	—	—	17
Total Input to Refineries	10,343	88,136	64,285	5,374	901	169,039	11,238	35,090	291,775
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	604	4,516	3,095	195	72	8,483	468	2,183	15,625
Operable Capacity (daily average)	744	5,232	3,330	260	110	9,677	650	2,650	18,060
Operable Utilization Rate (percent) ²	81.2	86.3	92.9	75.0	65.8	87.7	72.0	82.4	86.5
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	151	699	560	35	15	1,459	72	335	2,670
Catalytic Cracking	144	1,200	855	15	21	2,236	126	558	4,164
Catalytic Hydrocracking	52	524	393	21	13	1,002	17	375	1,687
Delayed and Fluid Coking	17	694	495	33	—	1,239	60	321	2,125
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.52	1.37	1.04	1.54	1.05	1.17	1.57	1.29	1.25
API Gravity, Weighted Average (degrees)	40.57	34.62	31.97	29.82	38.57	34.20	31.52	29.52	33.40
Operable Capacity (daily average)	744	5,232	3,330	260	110	9,677	650	2,650	18,060
Operating	744	5,232	3,330	260	110	9,677	538	2,644	17,685
Idle	—	—	—	—	—	—	113	6	376
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	14,772	14,772

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, February 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	16,055	2,791	18,846	67,947	15,252	24,189	107,388
Hydrocarbon Gas Liquids	214	-	214	2,328	56	707	3,091
Natural Gas Liquids	214	-	214	2,328	56	707	3,091
Normal Butane	94	-	94	637	-	21	658
Isobutane	120	-	120	1,224	56	369	1,649
Natural Gasoline	-	-	-	467	-	317	784
Other Liquids	-6,184	68	-6,116	-36,943	-5,999	-10,522	-53,464
Hydrogen/Biofuels/Other Hydrocarbons	112	154	266	910	437	409	1,756
Hydrogen	48	12	60	698	273	187	1,158
Biofuels (Including Fuel Ethanol)	64	142	206	205	164	222	591
Fuel Ethanol	61	119	180	167	149	128	444
Biodiesel	-	23	23	38	15	23	76
Renewable Diesel Fuel	3	-	3	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	71	71
Other Hydrocarbons	-	-	-	7	-	-	7
Unfinished Oils (net)	537	-101	436	-2,511	8	-147	-2,650
Naphthas and Lighter	134	-48	86	-307	10	124	-173
Kerosene and Light Gas Oils	318	-	318	-373	0	16	-357
Heavy Gas Oils	-822	-54	-876	-1,288	-2	-344	-1,634
Residuum	907	1	908	-543	-	57	-486
Motor Gasoline Blend.Comp. (MGBC)(net)	-6,833	15	-6,818	-35,342	-6,444	-10,784	-52,570
Reformulated - RBOB	-4,517	-	-4,517	-6,276	-85	-	-6,361
Conventional	-2,316	15	-2,301	-29,066	-6,359	-10,784	-46,209
CBOB	-2,166	4	-2,162	-27,636	-6,178	-10,675	-44,489
GTAB	-	-	-	-	-	-	-
Other	-150	11	-139	-1,430	-181	-109	-1,720
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	10,085	2,859	12,944	33,332	9,309	14,374	57,015
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	629	100	729	2,421	552	863	3,836
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	80.7	101.7	83.1	88.7	100.5	92.9	91.2
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	129	15	144	430	74	169	673
Catalytic Cracking	136	17	153	658	139	197	994
Catalytic Hydrocracking	44	-	44	160	66	43	269
Delayed and Fluid Coking	35	-	35	327	79	90	496
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.83	1.72	0.96	1.71	1.79	0.55	1.46
API Gravity, Weighted Average (degrees)	36.83	32.00	36.10	32.53	28.00	39.85	33.45
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,580	511	928	4,019
Idle	-	-	-	149	38	-	187
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, February 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	16,927	120,937	78,113	6,538	2,117	224,632	14,484	58,167	423,517
Hydrocarbon Gas Liquids	465	5,271	3,614	72	90	9,512	373	710	13,900
Natural Gas Liquids	465	5,271	3,614	72	90	9,512	373	710	13,900
Normal Butane	172	2,219	1,759	26	—	4,176	122	188	5,238
Isobutane	261	2,265	1,159	43	90	3,818	127	505	6,219
Natural Gasoline	32	787	696	3	—	1,518	124	17	2,443
Other Liquids	-7,904	-46,135	-26,670	-1,601	-1,152	-83,462	-4,323	-27,012	-174,377
Hydrogen/Biofuels/Other Hydrocarbons	266	1,722	1,512	107	57	3,664	350	1,443	7,479
Hydrogen	93	1,606	1,242	58	25	3,024	179	1,049	5,470
Biofuels (Including Fuel Ethanol)	173	116	270	49	32	640	171	394	2,002
Fuel Ethanol	133	40	167	48	5	393	140	107	1,264
Biodiesel	40	20	38	1	4	103	2	13	217
Renewable Diesel Fuel	—	—	—	—	—	—	—	266	269
Other Biofuels ¹	—	56	65	—	23	144	29	8	252
Other Hydrocarbons	—	—	—	—	—	—	—	—	7
Unfinished Oils (net)	-40	1,325	7,185	5	-234	8,241	-339	-107	5,581
Naphthas and Lighter	-70	-4,051	273	19	-153	-3,982	-117	-540	-4,726
Kerosene and Light Gas Oils	49	-261	-100	-11	-28	-351	-99	-784	-1,273
Heavy Gas Oils	-9	2,772	6,161	48	-53	8,919	-84	-537	5,788
Residuum	-10	2,865	851	-51	—	3,655	-39	1,754	5,792
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,145	-49,182	-35,374	-1,713	-975	-95,389	-4,334	-28,348	-187,459
Reformulated - RBOB	-630	-9,792	-969	—	-319	-11,710	—	-20,450	-43,038
Conventional	-7,515	-39,390	-34,405	-1,713	-656	-83,679	-4,334	-7,898	-144,421
CBOB	-7,350	-29,424	-32,136	-1,720	-631	-71,261	-4,336	-7,480	-129,728
GTAB	—	—	—	—	—	—	—	—	—
Other	-165	-9,966	-2,269	7	-25	-12,418	2	-418	-14,693
Aviation Gasoline Blend. Comp. (net)	15	—	7	—	—	22	—	—	22
Total Input to Refineries	9,488	80,073	55,057	5,009	1,055	150,682	10,534	31,865	263,040
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	612	4,455	2,975	204	76	8,321	519	2,222	15,627
Operable Capacity (daily average)	744	5,232	3,330	260	110	9,677	650	2,620	18,030
Operable Utilization Rate (percent) ²	82.2	85.1	89.3	78.5	68.7	86.0	79.8	84.8	86.7
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	140	763	513	38	12	1,466	78	360	2,722
Catalytic Cracking	152	1,187	790	18	19	2,165	136	493	3,941
Catalytic Hydrocracking	42	468	386	19	10	926	16	386	1,641
Delayed and Fluid Coking	21	705	445	33	—	1,204	55	362	2,153
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.61	1.43	1.13	1.62	1.03	1.24	1.41	1.34	1.30
API Gravity, Weighted Average (degrees)	40.05	33.94	31.29	31.41	38.54	33.63	31.73	29.16	33.00
Operable Capacity (daily average)	744	5,232	3,330	260	110	9,677	650	2,620	18,030
Operating	673	5,187	3,330	260	110	9,561	538	2,620	17,615
Idle	71	45	—	—	—	116	113	—	416
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	13,298	13,298

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	16,128	3,131	19,259	77,212	16,232	22,529	115,973
Hydrocarbon Gas Liquids	248	-	248	1,831	74	750	2,655
Natural Gas Liquids	248	-	248	1,831	74	750	2,655
Normal Butane	131	-	131	128	-	-	128
Isobutane	117	-	117	1,275	74	354	1,703
Natural Gasoline	-	-	-	428	-	396	824
Other Liquids	-6,676	208	-6,468	-38,175	-6,231	-8,859	-53,265
Hydrogen/Biofuels/Other Hydrocarbons	129	197	326	939	471	433	1,843
Hydrogen	62	26	88	704	290	188	1,182
Biofuels (Including Fuel Ethanol)	67	171	238	231	181	245	657
Fuel Ethanol	67	139	206	190	157	150	497
Biodiesel	-	32	32	41	24	24	89
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	71	71
Other Hydrocarbons	-	-	-	4	-	-	4
Unfinished Oils (net)	763	-55	708	-2,325	29	77	-2,219
Naphthas and Lighter	478	-12	466	-486	-12	-344	-842
Kerosene and Light Gas Oils	200	-	200	-1,011	-48	29	-1,030
Heavy Gas Oils	-623	-45	-668	-308	101	758	551
Residuum	708	2	710	-520	-12	-366	-898
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,568	66	-7,502	-36,789	-6,731	-9,369	-52,889
Reformulated - RBOB	-4,575	-	-4,575	-7,125	-120	-	-7,245
Conventional	-2,993	66	-2,927	-29,664	-6,611	-9,369	-45,644
CBOB	-2,961	69	-2,892	-29,323	-6,648	-9,557	-45,528
GTAB	-	-	-	-	-	-	-
Other	-32	-3	-35	-341	37	188	-116
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	9,700	3,339	13,039	40,868	10,075	14,420	65,363
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	561	101	662	2,492	537	725	3,754
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	72.0	102.8	75.5	91.3	97.7	78.1	89.3
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	103	16	119	443	75	131	649
Catalytic Cracking	141	17	158	707	138	193	1,038
Catalytic Hydrocracking	43	-	43	169	62	45	276
Delayed and Fluid Coking	35	-	35	315	76	47	438
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.82	1.76	0.98	1.50	1.74	0.47	1.33
API Gravity, Weighted Average (degrees)	35.92	31.64	35.20	33.60	28.37	40.65	34.16
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,580	511	928	4,019
Idle	-	-	-	149	38	-	187
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	19,911	138,190	93,973	7,528	1,704	261,306	16,763	67,587	480,888
Hydrocarbon Gas Liquids	574	4,654	2,568	51	43	7,890	414	583	11,790
Natural Gas Liquids	574	4,654	2,568	51	43	7,890	414	583	11,790
Normal Butane	233	1,273	837	6	—	2,349	110	42	2,760
Isobutane	297	2,645	1,439	41	43	4,465	173	522	6,980
Natural Gasoline	44	736	292	4	—	1,076	131	19	2,050
Other Liquids	-8,790	-49,468	-30,910	-1,507	-911	-91,586	-4,330	-30,446	-186,095
Hydrogen/Biofuels/Other Hydrocarbons	353	1,658	1,721	116	68	3,916	464	1,849	8,398
Hydrogen	108	1,612	1,442	63	33	3,258	202	1,335	6,065
Biofuels (Including Fuel Ethanol)	245	46	279	53	35	658	262	514	2,329
Fuel Ethanol	195	44	200	52	5	496	224	142	1,565
Biodiesel	50	0	30	1	2	83	6	13	223
Renewable Diesel Fuel	—	—	—	—	—	—	—	335	335
Other Biofuels ¹	—	2	49	—	28	79	32	24	206
Other Hydrocarbons	—	—	—	—	—	—	—	—	4
Unfinished Oils (net)	-696	-1,001	6,289	87	-163	4,516	-33	6	2,978
Naphthas and Lighter	-466	-6,947	230	8	80	-7,095	104	-375	-7,742
Kerosene and Light Gas Oils	-48	-1,082	480	-7	-61	-718	169	-468	-1,847
Heavy Gas Oils	-57	2,773	5,400	160	-182	8,094	-295	648	8,330
Residuum	-125	4,255	179	-74	—	4,235	-11	201	4,237
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,451	-50,125	-38,922	-1,710	-816	-100,024	-4,761	-32,301	-197,477
Reformulated - RBOB	-534	-13,880	-2,277	—	-117	-16,808	—	-24,718	-53,346
Conventional	-7,917	-36,245	-36,645	-1,710	-699	-83,216	-4,761	-7,583	-144,131
CBOB	-7,948	-27,365	-33,937	-1,640	-696	-71,586	-4,552	-8,402	-132,960
GTAB	—	—	—	—	—	—	—	—	—
Other	31	-8,880	-2,708	-70	-3	-11,630	-209	819	-11,171
Aviation Gasoline Blend. Comp. (net)	4	—	2	—	—	6	—	—	6
Total Input to Refineries	11,695	93,376	65,631	6,072	836	177,610	12,847	37,724	306,583
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	653	4,640	3,172	214	55	8,735	539	2,336	16,026
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operable Utilization Rate (percent) ²	87.8	84.8	95.3	82.2	50.0	88.1	82.9	89.2	87.7
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	133	730	542	38	12	1,455	85	391	2,699
Catalytic Cracking	168	1,315	768	18	11	2,280	141	522	4,140
Catalytic Hydrocracking	36	399	407	20	3	864	6	429	1,619
Delayed and Fluid Coking	27	711	489	31	—	1,258	60	402	2,192
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.65	1.39	1.18	1.53	1.18	1.24	1.36	1.33	1.27
API Gravity, Weighted Average (degrees)	39.77	34.74	31.29	31.33	37.40	33.99	32.57	29.46	33.39
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operating	744	5,472	3,330	260	110	9,917	574	2,620	18,007
Idle	—	—	—	—	—	—	77	—	264
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	15,424	15,424

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	20,476	2,989	23,465	74,590	14,116	22,618	111,324
Hydrocarbon Gas Liquids	116	-	116	1,324	75	764	2,163
Natural Gas Liquids	116	-	116	1,324	75	764	2,163
Normal Butane	4	-	4	12	-	4	16
Isobutane	112	-	112	1,112	75	263	1,450
Natural Gasoline	-	-	-	200	-	497	697
Other Liquids	-8,055	52	-8,003	-35,940	-5,098	-8,962	-50,000
Hydrogen/Biofuels/Other Hydrocarbons	104	159	263	905	423	393	1,721
Hydrogen	37	11	48	670	184	179	1,033
Biofuels (Including Fuel Ethanol)	67	148	215	235	239	214	688
Fuel Ethanol	67	113	180	196	178	149	523
Biodiesel	-	35	35	39	61	26	126
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	39	39
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils (net)	1,407	-103	1,304	-2,641	-542	-313	-3,496
Naphthas and Lighter	226	-47	179	-90	-216	3	-303
Kerosene and Light Gas Oils	-72	-	-72	-1,060	-205	83	-1,182
Heavy Gas Oils	675	-53	622	-1,262	-117	-376	-1,755
Residuum	578	-3	575	-229	-4	-23	-256
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,566	-4	-9,570	-34,204	-4,979	-9,042	-48,225
Reformulated - RBOB	-5,899	-	-5,899	-6,246	-80	-	-6,326
Conventional	-3,667	-4	-3,671	-27,958	-4,899	-9,042	-41,899
CBOB	-3,156	13	-3,143	-28,135	-4,857	-8,812	-41,804
GTAB	-	-	-	-	-	-	-
Other	-511	-17	-528	177	-42	-230	-95
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	12,537	3,041	15,578	39,974	9,093	14,420	63,487
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	728	100	828	2,487	496	753	3,736
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	93.4	101.4	94.3	91.1	90.4	81.1	88.8
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	129	16	145	455	64	150	669
Catalytic Cracking	238	15	253	709	123	183	1,015
Catalytic Hydrocracking	25	-	25	179	21	37	238
Delayed and Fluid Coking	7	-	7	334	61	69	464
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.84	1.69	0.94	1.71	1.71	0.52	1.47
API Gravity, Weighted Average (degrees)	36.27	32.09	35.75	33.43	29.15	40.18	34.18
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,580	549	928	4,057
Idle	-	-	-	149	-	-	149
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,874	142,877	92,568	5,931	1,302	261,552	15,397	63,457	475,195
Hydrocarbon Gas Liquids	419	3,763	3,146	40	100	7,468	403	471	10,621
Natural Gas Liquids	419	3,763	3,146	40	100	7,468	403	471	10,621
Normal Butane	106	665	327	—	—	1,098	102	4	1,224
Isobutane	275	2,520	1,487	37	100	4,419	156	450	6,587
Natural Gasoline	38	578	1,332	3	—	1,951	145	17	2,810
Other Liquids	-8,026	-52,094	-28,614	-1,414	-942	-91,090	-3,617	-29,051	-181,761
Hydrogen/Biofuels/Other Hydrocarbons	351	1,992	1,759	72	40	4,214	465	1,623	8,286
Hydrogen	116	1,928	1,532	33	23	3,632	186	1,309	6,208
Biofuels (Including Fuel Ethanol)	235	64	227	39	17	582	279	314	2,078
Fuel Ethanol	186	42	187	38	6	459	245	138	1,545
Biodiesel	49	19	33	1	2	104	14	12	291
Renewable Diesel Fuel	—	—	—	—	—	—	—	157	157
Other Biofuels ¹	—	3	7	—	9	19	20	7	85
Other Hydrocarbons	—	—	—	—	—	—	—	—	—
Unfinished Oils (net)	-572	-4,141	10,358	-261	-256	5,128	-37	622	3,521
Naphthas and Lighter	-301	-7,254	502	-90	-158	-7,301	-173	326	-7,272
Kerosene and Light Gas Oils	-81	-683	228	-18	-188	-742	-78	-678	-2,752
Heavy Gas Oils	-281	-434	7,949	-68	90	7,256	208	883	7,214
Residuum	91	4,230	1,679	-85	—	5,915	6	91	6,331
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,796	-49,945	-40,733	-1,225	-726	-100,425	-4,045	-31,296	-193,561
Reformulated - RBOB	-401	-15,379	-6,584	—	-131	-22,495	—	-23,915	-58,635
Conventional	-7,395	-34,566	-34,149	-1,225	-595	-77,930	-4,045	-7,381	-134,926
CBOB	-7,296	-27,838	-31,612	-1,271	-610	-68,627	-4,117	-8,014	-125,705
GTAB	—	—	—	—	—	—	—	—	—
Other	-99	-6,728	-2,537	46	15	-9,303	72	633	-9,221
Aviation Gasoline Blend. Comp. (net)	-9	—	2	—	—	-7	—	—	-7
Total Input to Refineries	11,267	94,546	67,100	4,557	460	177,930	12,183	34,877	304,055
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	636	5,036	3,215	176	44	9,106	514	2,279	16,463
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operable Utilization Rate (percent) ²	85.5	92.0	96.5	67.7	39.6	91.8	79.1	87.0	90.1
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	122	757	560	25	3	1,466	79	359	2,718
Catalytic Cracking	168	1,342	866	15	15	2,406	153	612	4,439
Catalytic Hydrocracking	52	469	444	18	—	983	15	396	1,657
Delayed and Fluid Coking	30	748	508	21	—	1,307	51	378	2,207
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.67	1.47	1.18	0.85	1.08	1.27	1.29	1.32	1.31
API Gravity, Weighted Average (degrees)	39.32	34.66	31.59	34.21	38.31	34.07	33.04	28.74	33.41
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operating	744	5,472	3,330	210	110	9,867	641	2,620	18,062
Idle	—	—	—	50	—	50	10	—	209
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	13,994	13,994

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	20,420	2,914	23,334	78,478	15,441	24,018	117,937
Hydrocarbon Gas Liquids	124	-	124	1,700	75	810	2,585
Natural Gas Liquids	124	-	124	1,700	75	810	2,585
Normal Butane	-	-	-	4	-	-	4
Isobutane	124	-	124	1,267	75	361	1,703
Natural Gasoline	-	-	-	429	-	449	878
Other Liquids	-8,441	103	-8,338	-35,241	-5,084	-9,592	-49,917
Hydrogen/Biofuels/Other Hydrocarbons	115	156	271	936	471	430	1,837
Hydrogen	50	12	62	661	219	192	1,072
Biofuels (Including Fuel Ethanol)	65	144	209	249	252	238	739
Fuel Ethanol	65	109	174	205	175	151	531
Biodiesel	-	35	35	44	77	25	146
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	62	62
Other Hydrocarbons	-	-	-	26	-	-	26
Unfinished Oils (net)	1,945	-16	1,929	-340	-290	359	-271
Naphthas and Lighter	415	12	427	339	-169	283	453
Kerosene and Light Gas Oils	-242	-	-242	1	-132	-342	-473
Heavy Gas Oils	987	-26	961	-93	-5	350	252
Residuum	785	-2	783	-587	16	68	-503
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,501	-37	-10,538	-35,837	-5,265	-10,381	-51,483
Reformulated - RBOB	-7,828	-	-7,828	-7,758	-	-	-7,758
Conventional	-2,673	-37	-2,710	-28,079	-5,265	-10,381	-43,725
CBOB	-2,427	-33	-2,460	-28,080	-5,321	-10,326	-43,727
GTAB	-	-	-	-	-	-	-
Other	-246	-4	-250	1	56	-55	2
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	12,103	3,017	15,120	44,937	10,432	15,236	70,605
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	712	94	806	2,530	520	774	3,824
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	91.4	95.8	91.9	92.7	94.7	83.3	90.9
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	131	16	146	487	75	156	717
Catalytic Cracking	241	17	258	727	128	195	1,051
Catalytic Hydrocracking	30	-	30	207	37	35	280
Delayed and Fluid Coking	3	-	3	315	58	85	458
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.74	1.82	0.88	1.61	1.84	0.64	1.44
API Gravity, Weighted Average (degrees)	36.68	31.53	35.98	34.10	28.05	38.47	34.16
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,587	549	928	4,064
Idle	-	-	-	142	-	-	142
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,654	152,816	94,970	7,658	2,405	276,503	16,365	68,527	502,666
Hydrocarbon Gas Liquids	572	3,964	3,130	32	92	7,790	448	674	11,621
Natural Gas Liquids	572	3,964	3,130	32	92	7,790	448	674	11,621
Normal Butane	264	429	335	—	—	1,028	85	28	1,145
Isobutane	274	2,622	1,498	28	92	4,514	196	625	7,162
Natural Gasoline	34	913	1,297	4	—	2,248	167	21	3,314
Other Liquids	-7,586	-57,012	-29,541	-1,602	-1,247	-96,988	-4,200	-29,425	-188,868
Hydrogen/Biofuels/Other Hydrocarbons	335	2,524	1,851	117	36	4,863	512	1,782	9,265
Hydrogen	87	2,474	1,618	66	14	4,259	192	1,340	6,925
Biofuels (Including Fuel Ethanol)	248	50	233	51	22	604	320	442	2,314
Fuel Ethanol	201	50	191	50	8	500	249	146	1,600
Biodiesel	47	-3	25	1	7	77	32	15	305
Renewable Diesel Fuel	—	—	—	—	—	—	—	277	277
Other Biofuels ¹	—	3	17	—	7	27	39	4	132
Other Hydrocarbons	—	—	—	—	—	—	—	—	26
Unfinished Oils (net)	-48	-5,452	10,249	-82	2	4,669	-356	2,444	8,415
Naphthas and Lighter	97	-8,654	1,125	3	108	-7,321	71	371	-5,999
Kerosene and Light Gas Oils	12	-1,315	-28	-36	-54	-1,421	-177	-209	-2,522
Heavy Gas Oils	-120	189	7,995	42	-52	8,054	-255	1,726	10,738
Residuum	-37	4,328	1,157	-91	—	5,357	5	556	6,198
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,879	-54,084	-41,647	-1,637	-1,285	-106,532	-4,356	-33,651	-206,560
Reformulated - RBOB	-574	-16,507	-8,019	—	-456	-25,556	—	-26,038	-67,180
Conventional	-7,305	-37,577	-33,628	-1,637	-829	-80,976	-4,356	-7,613	-139,380
CBOB	-7,241	-30,680	-32,350	-1,616	-804	-72,691	-4,398	-8,490	-131,766
GTAB	—	—	—	—	—	—	—	—	—
Other	-64	-6,897	-1,278	-21	-25	-8,285	42	877	-7,614
Aviation Gasoline Blend. Comp. (net)	6	—	6	—	—	12	—	—	12
Total Input to Refineries	11,640	99,768	68,559	6,088	1,250	187,305	12,613	39,776	325,419
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	629	5,180	3,164	219	78	9,269	524	2,334	16,757
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operable Utilization Rate (percent) ²	84.6	94.7	95.0	83.9	70.5	93.5	80.6	89.1	91.7
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	151	762	592	40	19	1,563	79	380	2,887
Catalytic Cracking	159	1,361	881	16	20	2,437	149	644	4,539
Catalytic Hydrocracking	50	572	465	16	5	1,107	17	392	1,825
Delayed and Fluid Coking	21	814	520	32	—	1,387	51	387	2,286
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.59	1.44	1.27	1.43	1.10	1.30	1.38	1.30	1.31
API Gravity, Weighted Average (degrees)	39.97	34.04	31.26	32.08	37.32	33.64	31.48	28.68	33.11
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operating	744	5,472	3,330	210	110	9,867	605	2,620	18,033
Idle	—	—	—	50	—	50	46	—	237
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	14,093	14,093

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	16,298	2,964	19,262	78,554	15,787	26,101	120,442
Hydrocarbon Gas Liquids	132	-	132	1,751	69	844	2,664
Natural Gas Liquids	132	-	132	1,751	69	844	2,664
Normal Butane	-	-	-	11	-	1	12
Isobutane	132	-	132	1,352	69	448	1,869
Natural Gasoline	-	-	-	388	-	395	783
Other Liquids	-5,683	40	-5,643	-35,466	-5,357	-10,147	-50,970
Hydrogen/Biofuels/Other Hydrocarbons	142	150	292	928	490	443	1,861
Hydrogen	77	11	88	673	215	192	1,080
Biofuels (Including Fuel Ethanol)	65	139	204	234	275	251	760
Fuel Ethanol	65	105	170	191	196	147	534
Biodiesel	-	34	34	43	79	27	149
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	77	77
Other Hydrocarbons	-	-	-	21	-	-	21
Unfinished Oils (net)	2,163	-95	2,068	-77	-317	533	139
Naphthas and Lighter	777	-54	723	145	-81	4	68
Kerosene and Light Gas Oils	303	-	303	183	-127	367	423
Heavy Gas Oils	-303	-36	-339	-199	-109	159	-149
Residuum	1,386	-5	1,381	-206	-	3	-203
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,988	-15	-8,003	-36,317	-5,530	-11,123	-52,970
Reformulated - RBOB	-5,343	-	-5,343	-7,107	-	-	-7,107
Conventional	-2,645	-15	-2,660	-29,210	-5,530	-11,123	-45,863
CBOB	-2,489	10	-2,479	-28,965	-5,331	-11,360	-45,656
GTAB	-	-	-	-	-	-	-
Other	-156	-25	-181	-245	-199	237	-207
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	10,747	3,004	13,751	44,839	10,499	16,798	72,136
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	610	99	709	2,617	549	868	4,034
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	78.2	100.7	80.7	95.9	99.9	93.5	95.9
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	126	16	142	490	75	166	730
Catalytic Cracking	165	15	180	762	143	214	1,119
Catalytic Hydrocracking	43	-	43	208	35	45	289
Delayed and Fluid Coking	34	-	34	318	66	72	456
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.67	1.71	0.84	1.54	1.91	0.57	1.38
API Gravity, Weighted Average (degrees)	36.95	32.18	36.19	34.06	27.56	39.21	34.24
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,587	549	928	4,064
Idle	-	-	-	142	-	-	142
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	17,481	148,091	90,261	6,480	2,326	264,639	18,285	69,556	492,184
Hydrocarbon Gas Liquids	578	4,016	3,018	26	97	7,735	440	617	11,588
Natural Gas Liquids	578	4,016	3,018	26	97	7,735	440	617	11,588
Normal Butane	352	675	567	—	—	1,594	80	11	1,697
Isobutane	195	2,458	1,499	24	97	4,273	169	585	7,028
Natural Gasoline	31	883	952	2	—	1,868	191	21	2,863
Other Liquids	-6,639	-55,903	-30,663	-1,293	-1,268	-95,766	-4,396	-30,768	-187,543
Hydrogen/Biofuels/Other Hydrocarbons	314	2,527	1,717	116	48	4,722	518	1,918	9,311
Hydrogen	61	2,485	1,483	63	19	4,111	217	1,292	6,788
Biofuels (Including Fuel Ethanol)	253	42	234	53	29	611	301	626	2,502
Fuel Ethanol	201	49	190	52	6	498	223	137	1,562
Biodiesel	52	-11	31	1	9	82	31	12	308
Renewable Diesel Fuel	—	—	—	—	—	—	—	465	465
Other Biofuels ¹	—	4	13	—	14	31	47	12	167
Other Hydrocarbons	—	—	—	—	—	—	—	—	21
Unfinished Oils (net)	562	-5,651	6,585	-160	-298	1,038	177	2,482	5,904
Naphthas and Lighter	449	-8,551	464	-95	-134	-7,867	-26	509	-6,593
Kerosene and Light Gas Oils	24	-2,043	-751	-58	-148	-2,976	146	-740	-2,844
Heavy Gas Oils	88	896	5,589	-32	-16	6,525	96	2,362	8,495
Residuum	1	4,047	1,283	25	—	5,356	-39	351	6,846
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,526	-52,779	-38,970	-1,249	-1,018	-101,542	-5,091	-35,168	-202,774
Reformulated - RBOB	-621	-17,085	-7,276	—	-360	-25,342	—	-25,693	-63,485
Conventional	-6,905	-35,694	-31,694	-1,249	-658	-76,200	-5,091	-9,475	-139,289
CBOB	-7,127	-28,118	-30,785	-1,204	-684	-67,918	-5,282	-10,138	-131,473
GTAB	—	—	—	—	—	—	—	—	—
Other	222	-7,576	-909	-45	26	-8,282	191	663	-7,816
Aviation Gasoline Blend. Comp. (net)	11	—	5	—	—	16	—	—	16
Total Input to Refineries	11,420	96,204	62,616	5,213	1,155	176,608	14,329	39,405	316,229
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	588	5,167	3,151	184	78	9,168	603	2,501	17,014
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operable Utilization Rate (percent) ²	79.0	94.4	94.6	70.7	70.5	92.5	92.8	95.5	93.1
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	159	752	592	35	14	1,552	96	432	2,951
Catalytic Cracking	149	1,359	883	13	22	2,427	181	666	4,573
Catalytic Hydrocracking	50	576	430	18	6	1,080	16	424	1,852
Delayed and Fluid Coking	15	833	515	32	—	1,393	58	401	2,342
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.56	1.46	1.31	1.68	1.04	1.33	1.63	1.25	1.32
API Gravity, Weighted Average (degrees)	40.39	34.19	30.70	30.97	37.82	33.55	31.29	29.20	33.10
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operating	744	5,472	3,330	260	110	9,917	605	2,620	18,083
Idle	—	—	—	—	—	—	46	—	187
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	15,756	15,756

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	17,404	3,142	20,546	80,075	17,317	27,822	125,214
Hydrocarbon Gas Liquids	121	-	121	2,043	79	806	2,928
Natural Gas Liquids	121	-	121	2,043	79	806	2,928
Normal Butane	-	-	-	1	-	-	1
Isobutane	121	-	121	1,379	79	476	1,934
Natural Gasoline	-	-	-	663	-	330	993
Other Liquids	-6,168	99	-6,069	-38,206	-5,570	-10,785	-54,561
Hydrogen/Biofuels/Other Hydrocarbons	152	163	315	914	546	450	1,910
Hydrogen	84	14	98	682	296	203	1,181
Biofuels (Including Fuel Ethanol)	68	149	217	218	250	247	715
Fuel Ethanol	68	115	183	181	178	148	507
Biodiesel	-	34	34	37	72	25	134
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	74	74
Other Hydrocarbons	-	-	-	14	-	-	14
Unfinished Oils (net)	1,791	-60	1,731	-844	-63	-119	-1,026
Naphthas and Lighter	418	-30	388	351	-41	-116	194
Kerosene and Light Gas Oils	271	-	271	-546	267	53	-226
Heavy Gas Oils	-45	-31	-76	-645	-289	77	-857
Residuum	1,147	1	1,148	-4	-	-133	-137
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,111	-4	-8,115	-38,276	-6,053	-11,116	-55,445
Reformulated - RBOB	-5,287	-	-5,287	-7,633	-	-	-7,633
Conventional	-2,824	-4	-2,828	-30,643	-6,053	-11,116	-47,812
CBOB	-2,518	-1	-2,519	-30,273	-6,099	-11,039	-47,411
GTAB	-	-	-	-	-	-	-
Other	-306	-3	-309	-370	46	-77	-401
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	11,357	3,241	14,598	43,912	11,826	17,843	73,581
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	607	101	708	2,581	566	896	4,043
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operable Utilization Rate (percent) ²	77.9	103.2	80.7	94.5	103.1	96.5	96.1
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	120	16	135	495	81	165	742
Catalytic Cracking	169	17	186	762	147	217	1,126
Catalytic Hydrocracking	42	-	42	192	61	44	297
Delayed and Fluid Coking	31	-	31	342	74	77	493
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.89	1.78	1.03	1.62	1.84	0.58	1.42
API Gravity, Weighted Average (degrees)	35.77	31.71	35.15	33.51	28.06	39.25	33.97
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operating	780	98	878	2,731	549	928	4,208
Idle	-	-	-	-	-	-	-
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	21,453	153,514	94,951	7,883	2,316	280,117	18,839	70,751	515,467
Hydrocarbon Gas Liquids	436	4,384	2,682	32	85	7,619	456	515	11,639
Natural Gas Liquids	436	4,384	2,682	32	85	7,619	456	515	11,639
Normal Butane	152	1,061	424	—	—	1,637	133	39	1,810
Isobutane	244	2,566	1,539	31	85	4,465	145	457	7,122
Natural Gasoline	40	757	719	1	—	1,517	178	19	2,707
Other Liquids	-8,652	-58,243	-31,023	-1,902	-1,101	-100,921	-4,435	-32,146	-198,132
Hydrogen/Biofuels/Other Hydrocarbons	357	2,525	1,794	125	71	4,872	564	1,661	9,322
Hydrogen	106	2,471	1,504	69	40	4,190	219	1,405	7,093
Biofuels (Including Fuel Ethanol)	251	54	290	56	31	682	345	256	2,215
Fuel Ethanol	199	50	196	55	6	506	287	126	1,609
Biodiesel	52	—	49	1	5	107	40	17	332
Renewable Diesel Fuel	—	—	—	—	—	—	—	111	111
Other Biofuels ¹	—	4	45	—	20	69	18	2	163
Other Hydrocarbons	—	—	—	—	—	—	—	—	14
Unfinished Oils (net)	-494	-6,009	7,451	-167	35	816	24	1,152	2,697
Naphthas and Lighter	-357	-9,028	765	-10	82	-8,548	144	-147	-7,969
Kerosene and Light Gas Oils	-55	-2,577	-559	12	-7	-3,186	-99	-261	-3,501
Heavy Gas Oils	-66	1,516	6,692	-12	-40	8,090	21	1,859	9,037
Residuum	-16	4,080	553	-157	—	4,460	-42	-299	5,130
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,529	-54,759	-40,279	-1,860	-1,207	-106,634	-5,023	-34,959	-210,176
Reformulated - RBOB	-485	-18,377	-6,948	—	-368	-26,178	—	-25,432	-64,530
Conventional	-8,044	-36,382	-33,331	-1,860	-839	-80,456	-5,023	-9,527	-145,646
CBOB	-7,800	-27,900	-32,183	-1,851	-828	-70,562	-5,126	-9,949	-135,567
GTAB	—	—	—	—	—	—	—	—	—
Other	-244	-8,482	-1,148	-9	-11	-9,894	103	422	-10,079
Aviation Gasoline Blend. Comp. (net)	14	—	11	—	—	25	—	—	25
Total Input to Refineries	13,237	99,655	66,610	6,013	1,300	186,815	14,860	39,120	328,974
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	696	5,149	3,184	222	75	9,326	614	2,444	17,136
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operable Utilization Rate (percent) ²	93.6	94.1	95.6	85.4	67.9	94.1	94.5	93.3	93.8
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	160	737	603	41	17	1,558	93	394	2,922
Catalytic Cracking	182	1,329	909	16	19	2,455	164	687	4,618
Catalytic Hydrocracking	49	578	473	18	7	1,125	16	411	1,891
Delayed and Fluid Coking	28	809	516	32	—	1,384	61	386	2,354
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.65	1.51	1.39	1.44	1.05	1.37	1.42	1.29	1.36
API Gravity, Weighted Average (degrees)	39.74	33.72	30.65	32.29	37.83	33.32	31.42	28.54	32.85
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operating	744	5,472	3,195	260	110	9,781	641	2,620	18,127
Idle	—	—	136	—	—	136	10	—	145
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	14,604	14,604

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	21,395	3,123	24,518	83,833	17,424	27,615	128,872
Hydrocarbon Gas Liquids	127	-	127	1,947	70	780	2,797
Natural Gas Liquids	127	-	127	1,947	70	780	2,797
Normal Butane	1	-	1	1	-	5	6
Isobutane	126	-	126	1,382	70	367	1,819
Natural Gasoline	-	-	-	564	-	408	972
Other Liquids	-8,185	-21	-8,206	-38,745	-5,677	-11,931	-56,353
Hydrogen/Biofuels/Other Hydrocarbons	159	162	321	922	559	447	1,928
Hydrogen	91	14	105	662	299	194	1,155
Biofuels (Including Fuel Ethanol)	68	148	216	246	260	253	759
Fuel Ethanol	68	112	180	203	185	156	544
Biodiesel	-	36	36	43	75	24	142
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	73	73
Other Hydrocarbons	-	-	-	14	-	-	14
Unfinished Oils (net)	1,835	-189	1,646	-594	-302	-962	-1,858
Naphthas and Lighter	621	-134	487	426	-29	-103	294
Kerosene and Light Gas Oils	274	-	274	-144	34	-48	-158
Heavy Gas Oils	182	-54	128	-450	-307	-652	-1,409
Residuum	758	-1	757	-426	-	-159	-585
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,179	6	-10,173	-39,073	-5,934	-11,416	-56,423
Reformulated - RBOB	-7,159	-	-7,159	-8,007	-	-	-8,007
Conventional	-3,020	6	-3,014	-31,066	-5,934	-11,416	-48,416
CBOB	-2,593	23	-2,570	-30,830	-5,867	-11,485	-48,182
GTAB	-	-	-	-	-	-	-
Other	-427	-17	-444	-236	-67	69	-234
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	13,337	3,102	16,439	47,035	11,817	16,464	75,316
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	709	101	810	2,705	576	889	4,170
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operable Utilization Rate (percent) ²	90.9	102.8	92.3	99.1	104.9	95.8	99.1
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	130	15	145	514	83	165	761
Catalytic Cracking	247	17	265	801	145	201	1,147
Catalytic Hydrocracking	39	-	39	185	63	41	288
Delayed and Fluid Coking	32	-	32	336	74	78	488
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.92	1.80	1.04	1.48	1.82	0.70	1.36
API Gravity, Weighted Average (degrees)	34.06	31.60	33.73	33.92	27.72	38.83	34.07
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operating	780	98	878	2,731	549	928	4,208
Idle	-	-	-	-	-	-	-
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	19,885	151,038	92,591	8,099	2,498	274,111	19,214	70,659	517,374
Hydrocarbon Gas Liquids	462	4,498	3,332	30	89	8,411	410	795	12,540
Natural Gas Liquids	462	4,498	3,332	30	89	8,411	410	795	12,540
Normal Butane	213	1,050	435	—	—	1,698	122	87	1,914
Isobutane	201	2,498	1,620	27	89	4,435	174	694	7,248
Natural Gasoline	48	950	1,277	3	—	2,278	114	14	3,378
Other Liquids	-7,742	-59,713	-31,126	-1,953	-1,244	-101,778	-4,744	-30,813	-201,894
Hydrogen/Biofuels/Other Hydrocarbons	349	2,580	1,702	148	63	4,842	612	1,997	9,700
Hydrogen	105	2,532	1,423	91	29	4,180	235	1,427	7,102
Biofuels (Including Fuel Ethanol)	244	48	279	57	34	662	377	570	2,584
Fuel Ethanol	203	43	200	57	7	510	298	144	1,676
Biodiesel	41	—	37	—	8	86	45	16	325
Renewable Diesel Fuel	—	—	19	—	—	19	—	410	429
Other Biofuels ¹	—	5	23	—	19	47	34	—	154
Other Hydrocarbons	—	—	—	—	—	—	—	—	14
Unfinished Oils (net)	-499	-8,166	7,900	-233	22	-976	-195	1,716	333
Naphthas and Lighter	-205	-9,603	374	12	10	-9,412	-58	-23	-8,712
Kerosene and Light Gas Oils	101	-2,770	-849	-65	17	-3,566	-105	163	-3,392
Heavy Gas Oils	-339	1,313	7,645	-112	-5	8,502	43	1,943	9,207
Residuum	-56	2,894	730	-68	—	3,500	-75	-367	3,230
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,601	-54,127	-40,741	-1,868	-1,329	-105,666	-5,161	-34,526	-211,949
Reformulated - RBOB	-127	-15,179	-5,134	—	-416	-20,856	—	-25,248	-61,270
Conventional	-7,474	-38,948	-35,607	-1,868	-913	-84,810	-5,161	-9,278	-150,679
CBOB	-7,276	-29,179	-33,722	-1,851	-892	-72,920	-5,070	-9,708	-138,450
GTAB	—	—	—	—	—	—	—	—	—
Other	-198	-9,769	-1,885	-17	-21	-11,890	-91	430	-12,229
Aviation Gasoline Blend. Comp. (net)	9	—	13	—	—	22	—	—	22
Total Input to Refineries	12,605	95,823	64,797	6,176	1,343	180,744	14,880	40,641	328,020
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	648	5,040	3,178	229	81	9,175	621	2,425	17,201
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operable Utilization Rate (percent) ²	87.1	92.1	95.4	87.8	73.3	92.5	95.6	92.6	94.1
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	152	686	609	41	17	1,505	91	374	2,875
Catalytic Cracking	157	1,299	895	18	22	2,390	169	667	4,637
Catalytic Hydrocracking	27	579	441	19	15	1,081	16	454	1,877
Delayed and Fluid Coking	26	776	521	32	—	1,355	63	374	2,312
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.61	1.53	1.33	1.47	1.01	1.37	1.47	1.24	1.33
API Gravity, Weighted Average (degrees)	39.91	34.80	30.51	30.93	37.85	33.79	31.72	29.01	33.09
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operating	744	5,427	3,195	260	110	9,736	641	2,620	18,082
Idle	—	45	136	—	—	181	10	—	190
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	14,896	14,896

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	17,336	2,899	20,235	79,557	13,233	21,679	114,469
Hydrocarbon Gas Liquids	244	-	244	2,193	86	877	3,156
Natural Gas Liquids	244	-	244	2,193	86	877	3,156
Normal Butane	187	-	187	168	-	4	172
Isobutane	57	-	57	1,378	86	405	1,869
Natural Gasoline	-	-	-	647	-	468	1,115
Other Liquids	-6,637	-19	-6,656	-38,679	-4,403	-8,647	-51,729
Hydrogen/Biofuels/Other Hydrocarbons	158	154	312	857	440	426	1,723
Hydrogen	94	14	108	628	200	188	1,016
Biofuels (Including Fuel Ethanol)	64	140	204	224	240	238	702
Fuel Ethanol	64	107	171	186	172	146	504
Biodiesel	-	33	33	38	68	22	128
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	70	70
Other Hydrocarbons	-	-	-	5	-	-	5
Unfinished Oils (net)	2,018	-140	1,878	-1,160	74	364	-722
Naphthas and Lighter	509	-73	436	-327	-34	205	-156
Kerosene and Light Gas Oils	195	-	195	-126	-4	12	-118
Heavy Gas Oils	316	-72	244	-722	112	70	-540
Residuum	998	5	1,003	15	-	77	92
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,813	-33	-8,846	-38,376	-4,917	-9,437	-52,730
Reformulated - RBOB	-6,090	-	-6,090	-7,040	-	-	-7,040
Conventional	-2,723	-33	-2,756	-31,336	-4,917	-9,437	-45,690
CBOB	-2,151	-13	-2,164	-30,876	-4,844	-9,461	-45,181
GTAB	-	-	-	-	-	-	-
Other	-572	-20	-592	-460	-73	24	-509
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	10,943	2,880	13,823	43,071	8,916	13,909	65,896
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	634	97	730	2,651	454	726	3,832
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operable Utilization Rate (percent) ²	81.3	98.4	83.2	97.1	82.8	78.2	91.1
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	120	16	136	482	57	147	687
Catalytic Cracking	221	16	237	806	134	188	1,128
Catalytic Hydrocracking	32	-	32	196	42	41	280
Delayed and Fluid Coking	39	-	39	342	42	62	446
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.93	1.78	1.04	1.55	1.69	0.66	1.40
API Gravity, Weighted Average (degrees)	33.18	31.92	33.01	33.72	28.74	38.50	34.00
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operating	780	98	878	2,731	549	928	4,208
Idle	-	-	-	-	-	-	-
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,701	144,750	89,611	7,984	2,561	263,607	19,055	69,813	487,179
Hydrocarbon Gas Liquids	609	4,089	4,389	52	93	9,232	460	623	13,715
Natural Gas Liquids	609	4,089	4,389	52	93	9,232	460	623	13,715
Normal Butane	275	1,184	1,487	8	—	2,954	126	29	3,468
Isobutane	304	2,004	1,494	43	93	3,938	180	585	6,629
Natural Gasoline	30	901	1,408	1	—	2,340	154	9	3,618
Other Liquids	-7,424	-56,137	-35,157	-1,818	-1,304	-101,840	-4,315	-32,014	-196,554
Hydrogen/Biofuels/Other Hydrocarbons	340	2,490	1,732	142	68	4,772	571	1,754	9,132
Hydrogen	103	2,417	1,498	84	36	4,138	224	1,393	6,879
Biofuels (Including Fuel Ethanol)	237	73	234	58	32	634	347	361	2,248
Fuel Ethanol	194	42	189	58	7	490	282	132	1,579
Biodiesel	43	—	35	—	9	87	37	15	300
Renewable Diesel Fuel	—	—	—	—	—	—	—	214	214
Other Biofuels ¹	—	31	10	—	16	57	28	—	155
Other Hydrocarbons	—	—	—	—	—	—	—	—	5
Unfinished Oils (net)	-211	-9,230	4,229	-132	-149	-5,493	-17	392	-3,962
Naphthas and Lighter	-54	-8,127	-28	-22	-134	-8,365	63	414	-7,608
Kerosene and Light Gas Oils	153	-2,185	-1,600	-18	8	-3,642	24	-868	-4,409
Heavy Gas Oils	-84	-1,787	6,240	-19	-23	4,327	-22	596	4,605
Residuum	-226	2,869	-383	-73	—	2,187	-82	250	3,450
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,562	-49,397	-41,124	-1,828	-1,223	-101,134	-4,869	-34,160	-201,739
Reformulated - RBOB	-524	-12,727	-1,951	—	-411	-15,613	—	-24,815	-53,558
Conventional	-7,038	-36,670	-39,173	-1,828	-812	-85,521	-4,869	-9,345	-148,181
CBOB	-6,890	-28,091	-36,078	-1,775	-816	-73,650	-4,840	-9,012	-134,847
GTAB	—	—	—	—	—	—	—	—	—
Other	-148	-8,579	-3,095	-53	4	-11,871	-29	-333	-13,334
Aviation Gasoline Blend. Comp. (net)	9	—	6	—	—	15	—	—	15
Total Input to Refineries	11,886	92,702	58,843	6,218	1,350	170,999	15,200	38,422	304,340
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	645	4,985	3,086	232	85	9,033	631	2,485	16,712
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operable Utilization Rate (percent) ²	86.7	91.1	92.7	89.2	77.6	91.1	97.0	94.9	91.5
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	133	719	552	40	17	1,462	95	393	2,773
Catalytic Cracking	165	1,192	855	19	23	2,255	170	638	4,429
Catalytic Hydrocracking	47	575	475	19	12	1,128	15	457	1,911
Delayed and Fluid Coking	28	800	471	33	—	1,333	52	369	2,239
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.63	1.56	1.30	1.41	0.88	1.37	1.37	1.31	1.36
API Gravity, Weighted Average (degrees)	39.54	33.88	30.85	30.91	38.30	33.38	32.30	29.18	32.88
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operating	744	5,472	3,330	260	110	9,917	641	2,620	18,263
Idle	—	—	—	—	—	—	10	—	10
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	12,077	12,077

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	15,452	3,101	18,553	76,228	13,795	23,962	113,985
Hydrocarbon Gas Liquids	336	-	336	2,743	62	845	3,650
Natural Gas Liquids	336	-	336	2,743	62	845	3,650
Normal Butane	336	-	336	584	-	22	606
Isobutane	-	-	-	1,585	62	480	2,127
Natural Gasoline	-	-	-	574	-	343	917
Other Liquids	-6,443	107	-6,336	-39,953	-5,133	-9,972	-55,058
Hydrogen/Biofuels/Other Hydrocarbons	126	168	294	1,004	398	520	1,922
Hydrogen	57	11	68	750	189	273	1,212
Biofuels (Including Fuel Ethanol)	69	157	226	238	209	247	694
Fuel Ethanol	69	126	195	195	185	154	534
Biodiesel	-	31	31	43	24	25	92
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	68	68
Other Hydrocarbons	-	-	-	16	-	-	16
Unfinished Oils (net)	685	-104	581	-1,116	-485	-473	-2,074
Naphthas and Lighter	411	-24	387	415	-63	-8	344
Kerosene and Light Gas Oils	-253	-	-253	-886	-77	-50	-1,013
Heavy Gas Oils	129	-79	50	-234	-345	-309	-888
Residuum	398	-1	397	-411	-	-106	-517
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,254	43	-7,211	-39,841	-5,046	-10,019	-54,906
Reformulated - RBOB	-5,168	-	-5,168	-6,812	-	-	-6,812
Conventional	-2,086	43	-2,043	-33,029	-5,046	-10,019	-48,094
CBOB	-1,965	-4	-1,969	-32,462	-5,233	-9,984	-47,679
GTAB	-	-	-	-	-	-	-
Other	-121	47	-74	-567	187	-35	-415
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	9,345	3,208	12,553	39,018	8,724	14,835	62,577
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	549	100	649	2,458	457	770	3,685
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operable Utilization Rate (percent) ²	70.4	101.8	73.9	90.0	83.3	82.9	87.6
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	95	16	111	443	59	153	654
Catalytic Cracking	189	15	204	741	118	176	1,036
Catalytic Hydrocracking	16	-	16	201	45	42	288
Delayed and Fluid Coking	35	-	35	337	55	66	458
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	1.04	1.86	1.16	1.62	1.63	0.69	1.42
API Gravity, Weighted Average (degrees)	30.72	31.18	30.79	32.58	28.94	38.53	33.33
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operating	590	98	688	2,731	549	928	4,208
Idle	190	-	190	-	-	-	-
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	15,708	144,709	88,138	8,038	2,782	259,375	19,804	64,347	476,064
Hydrocarbon Gas Liquids	472	5,291	4,360	86	105	10,314	488	1,023	15,811
Natural Gas Liquids	472	5,291	4,360	86	105	10,314	488	1,023	15,811
Normal Butane	172	1,705	2,007	31	4	3,919	160	693	5,714
Isobutane	300	2,614	1,465	53	101	4,533	184	306	7,150
Natural Gasoline	-	972	888	2	-	1,862	144	24	2,947
Other Liquids	-6,529	-58,098	-31,935	-1,944	-1,380	-99,886	-4,923	-29,882	-196,085
Hydrogen/Biofuels/Other Hydrocarbons	279	2,523	1,806	153	64	4,825	601	1,626	9,268
Hydrogen	29	2,428	1,541	90	40	4,128	234	1,240	6,882
Biofuels (Including Fuel Ethanol)	250	95	265	63	24	697	367	386	2,370
Fuel Ethanol	194	42	198	63	6	503	307	142	1,681
Biodiesel	56	-	39	-	5	100	22	15	260
Renewable Diesel Fuel	-	-	-	-	-	-	-	161	161
Other Biofuels ¹	-	53	28	-	13	94	38	68	268
Other Hydrocarbons	-	-	-	-	-	-	-	-	16
Unfinished Oils (net)	493	-9,424	6,332	-158	-1	-2,758	-160	388	-4,023
Naphthas and Lighter	448	-9,250	1	-26	30	-8,797	-94	-108	-8,268
Kerosene and Light Gas Oils	-37	-1,549	-1,496	-26	-20	-3,128	-9	-195	-4,598
Heavy Gas Oils	-10	-969	7,730	7	-11	6,747	-90	623	6,442
Residuum	92	2,344	97	-113	-	2,420	33	68	2,401
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,298	-51,197	-40,081	-1,939	-1,443	-101,958	-5,364	-31,896	-201,335
Reformulated - RBOB	-1,067	-13,453	-1,463	-	-665	-16,648	-	-24,420	-53,048
Conventional	-6,231	-37,744	-38,618	-1,939	-778	-85,310	-5,364	-7,476	-148,287
CBOB	-6,553	-29,501	-35,454	-1,926	-786	-74,220	-5,442	-8,496	-137,806
GTAB	-	-	-	-	-	-	-	-	-
Other	322	-8,243	-3,164	-13	8	-11,090	78	1,020	-10,481
Aviation Gasoline Blend. Comp. (net)	-3	-	8	-	-	5	-	-	5
Total Input to Refineries	9,651	91,902	60,563	6,180	1,507	169,803	15,369	35,488	295,790
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	510	4,829	2,946	227	90	8,601	642	2,259	15,836
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operable Utilization Rate (percent) ²	68.5	88.3	88.5	87.1	81.6	86.7	98.7	86.2	86.7
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	121	670	534	40	21	1,387	95	358	2,605
Catalytic Cracking	138	1,169	838	20	22	2,188	171	541	4,140
Catalytic Hydrocracking	29	552	500	19	14	1,114	17	405	1,841
Delayed and Fluid Coking	27	753	462	31	-	1,273	57	317	2,140
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.49	1.60	1.43	1.37	0.85	1.43	1.39	1.28	1.39
API Gravity, Weighted Average (degrees)	40.64	34.29	30.04	32.39	38.76	33.43	32.00	29.23	32.68
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operating	744	5,472	3,102	260	110	9,689	641	2,620	17,845
Idle	-	-	228	-	-	228	10	-	428
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-	15,026	15,026

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	19,230	2,952	22,182	69,976	16,785	27,456	114,217
Hydrocarbon Gas Liquids	349	-	349	2,669	78	791	3,538
Natural Gas Liquids	349	-	349	2,669	78	791	3,538
Normal Butane	349	-	349	772	-	80	852
Isobutane	-	-	-	1,251	78	497	1,826
Natural Gasoline	-	-	-	646	-	214	860
Other Liquids	-7,965	125	-7,840	-35,831	-6,595	-11,812	-54,238
Hydrogen/Biofuels/Other Hydrocarbons	142	160	302	1,002	436	505	1,943
Hydrogen	75	12	87	784	246	287	1,317
Biofuels (Including Fuel Ethanol)	67	148	215	218	190	218	626
Fuel Ethanol	67	125	192	182	172	142	496
Biodiesel	-	23	23	36	18	25	79
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	51	51
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils (net)	751	-78	673	-283	-207	176	-314
Naphthas and Lighter	306	-18	288	415	-102	254	567
Kerosene and Light Gas Oils	226	-	226	68	-59	-35	-26
Heavy Gas Oils	89	-59	30	-396	-46	75	-367
Residuum	130	-1	129	-370	-	-118	-488
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,858	43	-8,815	-36,550	-6,824	-12,493	-55,867
Reformulated - RBOB	-5,782	-	-5,782	-6,471	-	-	-6,471
Conventional	-3,076	43	-3,033	-30,079	-6,824	-12,493	-49,396
CBOB	-2,427	26	-2,401	-29,459	-6,718	-12,338	-48,515
GTAB	-	-	-	-	-	-	-
Other	-649	17	-632	-620	-106	-155	-881
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	11,614	3,077	14,691	36,814	10,268	16,435	63,517
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	673	98	771	2,340	569	913	3,822
Operable Capacity (daily average)	854	98	952	2,731	549	928	4,208
Operable Utilization Rate (percent) ²	78.9	100.1	81.0	85.7	103.7	98.3	90.8
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	122	16	138	404	80	175	659
Catalytic Cracking	213	15	229	681	143	219	1,044
Catalytic Hydrocracking	34	-	34	199	61	48	308
Delayed and Fluid Coking	39	-	39	340	61	81	481
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.81	1.73	0.94	1.74	1.65	0.65	1.47
API Gravity, Weighted Average (degrees)	33.39	32.05	33.20	32.32	28.71	38.91	33.30
Operable Capacity (daily average)	854	98	952	2,731	549	928	4,208
Operating	590	98	688	2,731	549	928	4,208
Idle	264	-	264	-	-	-	-
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	16,011	146,326	89,168	7,515	2,711	261,731	18,388	61,597	478,115
Hydrocarbon Gas Liquids	547	5,641	4,725	72	143	11,128	494	1,141	16,650
Natural Gas Liquids	547	5,641	4,725	72	143	11,128	494	1,141	16,650
Normal Butane	256	2,247	2,580	30	25	5,138	211	658	7,208
Isobutane	256	2,590	1,410	41	118	4,415	206	466	6,913
Natural Gasoline	35	804	735	1	-	1,575	77	17	2,529
Other Liquids	-7,108	-58,118	-28,474	-1,687	-1,594	-96,981	-4,476	-28,306	-191,841
Hydrogen/Biofuels/Other Hydrocarbons	272	2,573	1,784	108	80	4,817	547	1,547	9,156
Hydrogen	46	2,425	1,559	47	43	4,120	212	1,231	6,967
Biofuels (Including Fuel Ethanol)	226	148	225	61	37	697	335	316	2,189
Fuel Ethanol	191	40	184	61	6	482	296	118	1,584
Biodiesel	35	-	34	-	7	76	18	13	209
Renewable Diesel Fuel	-	-	-	-	-	-	-	110	110
Other Biofuels ¹	-	108	7	-	24	139	21	75	286
Other Hydrocarbons	-	-	-	-	-	-	-	-	-
Unfinished Oils (net)	-95	-5,620	9,543	44	-62	3,810	-74	1,098	5,193
Naphthas and Lighter	318	-7,579	858	38	-12	-6,377	43	-103	-5,582
Kerosene and Light Gas Oils	-42	-2,029	320	-34	-34	-1,819	110	-711	-2,220
Heavy Gas Oils	-114	1,124	7,847	111	-16	8,952	-243	2,013	10,385
Residuum	-257	2,864	518	-71	-	3,054	16	-101	2,610
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,283	-55,071	-39,802	-1,839	-1,612	-105,607	-4,949	-30,951	-206,189
Reformulated - RBOB	-800	-12,563	-2,022	-	-615	-16,000	-	-22,730	-50,983
Conventional	-6,483	-42,508	-37,780	-1,839	-997	-89,607	-4,949	-8,221	-155,206
CBOB	-6,659	-32,429	-35,695	-1,811	-948	-77,542	-4,814	-8,033	-141,305
GTAB	-	-	-	-	-	-	-	-	-
Other	176	-10,079	-2,085	-28	-49	-12,065	-135	-188	-13,901
Aviation Gasoline Blend. Comp. (net)	-2	-	1	-	-	-1	-	-	-1
Total Input to Refineries	9,450	93,849	65,419	5,900	1,260	175,878	14,406	34,432	302,924
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	558	5,039	3,107	229	90	9,023	615	2,256	16,487
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,346
Operable Utilization Rate (percent) ²	75.0	92.1	93.3	87.9	82.2	91.0	94.5	86.1	89.9
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	120	714	547	39	20	1,439	92	335	2,663
Catalytic Cracking	134	1,302	860	19	25	2,339	162	550	4,322
Catalytic Hydrocracking	35	579	490	19	15	1,138	16	400	1,896
Delayed and Fluid Coking	15	815	518	20	-	1,367	62	321	2,271
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.52	1.69	1.29	1.41	0.82	1.43	1.40	1.23	1.39
API Gravity, Weighted Average (degrees)	39.87	34.18	31.07	34.28	39.21	33.73	33.17	29.27	32.97
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,346
Operating	744	5,472	3,330	260	110	9,917	641	2,620	18,073
Idle	-	-	-	-	-	-	10	-	274
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-	14,279	14,279

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	21,044	2,992	24,036	77,688	16,795	27,991	122,474
Hydrocarbon Gas Liquids	493	-	493	2,920	85	760	3,765
Natural Gas Liquids	493	-	493	2,920	85	760	3,765
Normal Butane	362	-	362	878	-	79	957
Isobutane	131	-	131	1,532	85	513	2,130
Natural Gasoline	-	-	-	510	-	168	678
Other Liquids	-9,151	-8	-9,159	-39,730	-6,369	-12,496	-58,595
Hydrogen/Biofuels/Other Hydrocarbons	147	144	291	1,069	508	502	2,079
Hydrogen	81	13	94	833	317	291	1,441
Biofuels (Including Fuel Ethanol)	66	131	197	215	191	211	617
Fuel Ethanol	66	111	177	183	176	147	506
Biodiesel	-	20	20	32	15	22	69
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	42	42
Other Hydrocarbons	-	-	-	21	-	-	21
Unfinished Oils (net)	1,674	-49	1,625	758	434	531	1,723
Naphthas and Lighter	156	-12	144	461	-7	297	751
Kerosene and Light Gas Oils	177	-	177	34	-108	19	-55
Heavy Gas Oils	714	-36	678	124	549	185	858
Residuum	627	-1	626	139	-	30	169
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,972	-103	-11,075	-41,557	-7,311	-13,529	-62,397
Reformulated - RBOB	-7,574	-	-7,574	-6,225	-	-	-6,225
Conventional	-3,398	-103	-3,501	-35,332	-7,311	-13,529	-56,172
CBOB	-2,475	-110	-2,585	-34,037	-7,189	-13,610	-54,836
GTAB	-	-	-	-	-	-	-
Other	-923	7	-916	-1,295	-122	81	-1,336
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	12,386	2,984	15,370	40,878	10,511	16,255	67,644
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	745	96	842	2,510	572	901	3,983
Operable Capacity (daily average)	854	98	952	2,732	549	928	4,210
Operable Utilization Rate (percent) ²	87.3	98.1	88.4	91.9	104.2	97.1	94.6
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	123	16	139	437	78	171	686
Catalytic Cracking	241	15	256	748	146	220	1,115
Catalytic Hydrocracking	42	-	42	209	66	44	319
Delayed and Fluid Coking	40	-	40	360	74	79	514
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.78	1.79	0.91	1.76	1.75	0.67	1.51
API Gravity, Weighted Average (degrees)	34.87	32.12	34.51	32.55	28.22	39.22	33.40
Operable Capacity (daily average)	854	98	952	2,732	549	928	4,210
Operating	812	98	910	2,732	549	928	4,210
Idle	42	-	42	-	-	-	-
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	19,844	156,412	93,452	8,072	2,579	280,359	17,848	66,840	511,557
Hydrocarbon Gas Liquids	647	6,034	4,737	76	138	11,632	573	1,478	17,941
Natural Gas Liquids	647	6,034	4,737	76	138	11,632	573	1,478	17,941
Normal Butane	313	2,569	2,522	38	25	5,467	281	922	7,989
Isobutane	308	2,540	1,550	37	113	4,548	204	539	7,552
Natural Gasoline	26	925	665	1	-	1,617	88	17	2,400
Other Liquids	-9,091	-58,817	-29,850	-1,988	-1,509	-101,255	-4,716	-31,806	-205,531
Hydrogen/Biofuels/Other Hydrocarbons	350	2,578	1,943	125	74	5,070	479	1,654	9,573
Hydrogen	105	2,420	1,697	63	39	4,324	206	1,367	7,432
Biofuels (Including Fuel Ethanol)	245	158	246	62	35	746	273	287	2,120
Fuel Ethanol	190	40	197	62	6	495	245	115	1,538
Biodiesel	55	1	43	-	-	99	7	7	202
Renewable Diesel Fuel	-	-	-	-	-	-	-	106	106
Other Biofuels ¹	-	117	6	-	29	152	21	59	274
Other Hydrocarbons	-	-	-	-	-	-	-	-	21
Unfinished Oils (net)	66	-4,579	9,558	-112	-140	4,793	-43	1,181	9,279
Naphthas and Lighter	175	-7,895	152	-63	5	-7,626	-47	241	-6,537
Kerosene and Light Gas Oils	-27	-1,819	664	-16	-84	-1,282	-21	-285	-1,466
Heavy Gas Oils	-83	2,112	7,090	59	-61	9,117	78	928	11,659
Residuum	1	3,023	1,652	-92	-	4,584	-53	297	5,623
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,512	-56,816	-41,353	-2,001	-1,443	-111,125	-5,152	-34,641	-224,390
Reformulated - RBOB	-1,531	-12,675	-2,225	-	-599	-17,030	-	-24,986	-55,815
Conventional	-7,981	-44,141	-39,128	-2,001	-844	-94,095	-5,152	-9,655	-168,575
CBOB	-7,842	-32,193	-36,081	-1,988	-883	-78,987	-5,238	-8,632	-150,278
GTAB	-	-	-	-	-	-	-	-	-
Other	-139	-11,948	-3,047	-13	39	-15,108	86	-1,023	-18,297
Aviation Gasoline Blend. Comp. (net)	5	-	2	-	-	7	-	-	7
Total Input to Refineries	11,400	103,629	68,339	6,160	1,208	190,736	13,705	36,512	323,967
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	642	5,197	3,148	229	83	9,299	575	2,375	17,074
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,348
Operable Utilization Rate (percent) ²	86.4	95.0	94.5	87.8	75.6	93.8	88.5	90.7	93.1
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	149	781	529	41	16	1,517	90	346	2,778
Catalytic Cracking	157	1,328	832	19	22	2,359	154	609	4,493
Catalytic Hydrocracking	39	568	476	19	10	1,112	16	445	1,934
Delayed and Fluid Coking	16	800	532	30	-	1,377	62	348	2,340
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.58	1.60	1.26	1.41	0.69	1.37	1.36	1.42	1.39
API Gravity, Weighted Average (degrees)	39.84	34.64	30.97	32.70	39.88	33.90	31.88	28.58	33.06
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,348
Operating	744	5,472	3,330	260	110	9,917	641	2,620	18,296
Idle	-	-	-	-	-	-	10	-	52
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-	14,004	14,004

-- = Not Applicable.

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¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

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