Table 30. 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**	**79,556**	**13,233**	**21,679**	**114,468**
Hydrocarbon Gas Liquids	**244**	**–**	**244**	**2,163**	**86**	**877**	**3,126**
Natural Gas Liquids	244	–	244	2,163	86	877	3,126
Normal Butane	187	–	187	168	–	4	172
Isobutane	57	–	57	1,378	86	405	1,869
Natural Gasoline	–	–	–	617	–	468	1,085
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**	**43,040**	**8,916**	**13,909**	**65,865**
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 30. 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**	**487,178**
Hydrocarbon Gas Liquids	**609**	**4,086**	**4,389**	**52**	**93**	**9,229**	**460**	**623**	**13,682**
Natural Gas Liquids	609	4,086	4,389	52	93	9,229	460	623	13,682
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	898	1,408	1	–	2,337	154	9	3,585
Other Liquids	**-7,424**	**-55,733**	**-35,157**	**-1,818**	**-1,304**	**-101,436**	**-4,339**	**-31,900**	**-196,060**
Hydrogen/Biofuels/Other Hydrocarbons	340	2,490	1,732	142	68	4,772	565	1,882	9,254
Hydrogen	103	2,417	1,498	84	36	4,138	219	1,393	6,874
Biofuels (including Fuel Ethanol)	237	73	234	58	32	634	346	489	2,375
Fuel Ethanol	194	42	189	58	7	490	282	132	1,579
Biodiesel	43	–	35	–	9	87	36	15	299
Renewable Diesel Fuel	–	–	–	–	–	–	–	342	342
Other Biofuels[1]	–	31	10	–	16	57	28	–	155
Other Hydrocarbons	–	–	–	–	–	–	–	–	5
Unfinished Oils (net)	-211	-8,826	4,229	-132	-149	-5,089	-46	385	-3,594
Naphthas and Lighter	-54	-8,127	-28	-22	-134	-8,365	65	407	-7,613
Kerosene and Light Gas Oils	153	-1,781	-1,600	-18	8	-3,238	10	-868	-4,019
Heavy Gas Oils	-84	-1,787	6,240	-19	-23	4,327	-39	596	4,588
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	-4,858	-34,167	-201,735
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	-4,858	-9,352	-148,177
CBOB	-6,890	-28,091	-36,078	-1,775	-816	-73,650	-4,839	-9,012	-134,846
GTAB	–	–	–	–	–	–	–	–	–
Other	-148	-8,579	-3,095	-53	4	-11,871	-19	-340	-13,331
Aviation Gasoline Blend. Comp. (net)	9	–	6	–	–	15	–	–	15
Total Input to Refineries	**11,886**	**93,103**	**58,843**	**6,218**	**1,350**	**171,400**	**15,176**	**38,536**	**304,800**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	645	4,985	3,086	232	85	9,033	630	2,487	16,713
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	96.9	95.0	91.5
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	133	719	552	40	17	1,462	102	393	2,779
Catalytic Cracking	165	1,192	855	19	23	2,255	175	638	4,433
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	1.26	1.41	0.88	1.36	1.37	1.31	1.35
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.
Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."