

**Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(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
<b>Crude Oil</b> .....	<b>241,001</b>	<b>31,359</b>	<b>272,360</b>	<b>893,196</b>	<b>181,829</b>	<b>322,811</b>	<b>1,397,836</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,208</b>	<b>-</b>	<b>3,208</b>	<b>23,892</b>	<b>651</b>	<b>9,783</b>	<b>34,326</b>
Natural Gas Liquids .....	3,208	-	3,208	23,892	651	9,783	34,326
Normal Butane .....	1,702	-	1,702	3,887	-	232	4,119
Isobutane .....	1,506	-	1,506	15,468	651	5,736	21,855
Natural Gasoline .....	-	-	-	4,537	-	3,815	8,352
<b>Other Liquids</b> .....	<b>-101,611</b>	<b>387</b>	<b>-101,224</b>	<b>-421,921</b>	<b>-65,004</b>	<b>-134,488</b>	<b>-621,413</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	1,923	1,552	3,475	10,928	5,855	4,752	21,535
Hydrogen .....	1,099	21	1,120	8,119	3,406	2,282	13,807
Biofuels (Including Fuel Ethanol) .....	824	1,531	2,355	2,663	2,449	2,470	7,582
Fuel Ethanol .....	824	1,226	2,050	2,131	1,971	1,759	5,861
Biodiesel .....	-	305	305	532	478	249	1,259
Renewable Diesel Fuel .....	-	-	-	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	462	462
Other Hydrocarbons .....	-	-	-	146	-	-	146
Unfinished Oils (net) .....	12,512	-1,262	11,250	-8,858	703	-1,047	-9,202
Naphthas and Lighter .....	2,241	-593	1,648	1,672	18	265	1,955
Kerosene and Light Gas Oils .....	1,640	-	1,640	-4,221	80	-207	-4,348
Heavy Gas Oils .....	4,753	-659	4,094	-2,812	605	-483	-2,690
Residuum .....	3,878	-10	3,868	-3,497	-	-622	-4,119
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-116,046	97	-115,949	-423,991	-71,562	-138,193	-633,746
Reformulated - RBOB .....	-80,028	-	-80,028	-80,336	-	-	-80,336
Conventional .....	-36,018	97	-35,921	-343,655	-71,562	-138,193	-553,410
CBOB .....	-31,821	109	-31,712	-338,040	-70,732	-138,402	-547,174
GTAB .....	-	-	-	-	-	-	-
Other .....	-4,197	-12	-4,209	-5,615	-830	209	-6,236
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>142,598</b>	<b>31,746</b>	<b>174,344</b>	<b>495,167</b>	<b>117,476</b>	<b>198,106</b>	<b>810,749</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	686	86	772	2,438	515	887	3,840
Operable Capacity (daily average) .....	740	98	838	2,721	548	928	4,197
Operable Utilization Rate (percent) <sup>2</sup> .....	92.7	87.5	92.1	89.6	94.0	95.6	91.5
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	110	13	124	447	64	164	675
Catalytic Cracking .....	236	13	249	713	134	210	1,056
Catalytic Hydrocracking .....	40	-	40	175	62	49	286
Delayed and Fluid Coking .....	37	-	37	319	71	86	476
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.87	1.62	0.95	1.59	1.79	0.66	1.40
API Gravity, Weighted Average (degrees) .....	35.42	32.34	35.06	32.96	27.80	39.13	33.64
<b>Operable Capacity (daily average)</b> .....	<b>740</b>	<b>98</b>	<b>838</b>	<b>2,721</b>	<b>548</b>	<b>928</b>	<b>4,197</b>
Operating .....	740	98	838	2,673	510	925	4,108
Idle .....	-	-	-	48	38	3	89
<b>Alaskan Crude Oil Receipts</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(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			
<b>Crude Oil</b> .....	<b>241,080</b>	<b>1,700,418</b>	<b>1,090,685</b>	<b>91,280</b>	<b>31,444</b>	<b>3,154,907</b>	<b>211,549</b>	<b>795,043</b>	<b>5,831,695</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>6,817</b>	<b>53,960</b>	<b>40,553</b>	<b>764</b>	<b>1,427</b>	<b>103,521</b>	<b>5,597</b>	<b>9,227</b>	<b>155,879</b>
Natural Gas Liquids .....	6,817	53,960	40,553	764	1,427	103,521	5,597	9,227	155,879
Normal Butane .....	2,965	15,280	11,669	169	—	30,083	1,922	3,301	41,127
Isobutane .....	3,404	28,163	16,530	556	1,427	50,080	1,945	5,702	81,088
Natural Gasoline .....	448	10,517	12,354	39	—	23,358	1,730	224	33,664
<b>Other Liquids</b> .....	<b>-102,952</b>	<b>-642,203</b>	<b>-361,529</b>	<b>-21,524</b>	<b>-15,812</b>	<b>-1,144,020</b>	<b>-51,030</b>	<b>-364,190</b>	<b>-2,281,877</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	3,833	27,699	21,866	1,319	618	55,335	6,249	21,623	108,217
Hydrogen .....	1,270	26,833	17,666	753	476	46,998	2,448	16,546	80,919
Biofuels (Including Fuel Ethanol) .....	2,563	866	4,200	566	142	8,337	3,801	5,077	27,152
Fuel Ethanol .....	2,337	531	2,270	494	68	5,700	3,192	1,529	18,332
Biodiesel .....	226	245	508	72	57	1,108	246	181	3,099
Renewable Diesel Fuel .....	—	—	21	—	—	21	—	3,328	3,349
Other Biofuels <sup>1</sup> .....	—	90	1,401	—	17	1,508	363	39	2,372
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	146
Unfinished Oils (net) .....	-1,856	-45,513	83,282	-755	-750	34,408	-1,823	15,069	49,702
Naphthas and Lighter .....	-473	-76,264	1,173	-25	-375	-75,964	-625	-2,252	-75,238
Kerosene and Light Gas Oils .....	-82	-15,062	-1,111	-189	-335	-16,779	-271	-3,777	-23,535
Heavy Gas Oils .....	-753	13,712	59,542	431	-40	72,892	-13	19,835	94,118
Residuum .....	-548	32,101	23,678	-972	—	54,259	-914	1,263	54,357
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-105,013	-624,389	-466,716	-22,088	-15,680	-1,233,886	-55,456	-400,882	-2,439,919
Reformulated - RBOB .....	-9,740	-175,658	-45,816	—	-6,726	-237,940	—	-295,052	-693,356
Conventional .....	-95,273	-448,731	-420,900	-22,088	-8,954	-995,946	-55,456	-105,830	-1,746,563
CBOB .....	-94,868	-349,412	-390,078	-21,897	-8,997	-865,252	-56,285	-106,962	-1,607,385
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	-405	-99,319	-30,822	-191	43	-130,694	829	1,132	-139,178
Aviation Gasoline Blend. Comp. (net) .....	84	—	39	—	—	123	—	—	123
<b>Total Input to Refineries</b> .....	<b>144,945</b>	<b>1,112,175</b>	<b>769,709</b>	<b>70,520</b>	<b>17,059</b>	<b>2,114,408</b>	<b>166,116</b>	<b>440,080</b>	<b>3,705,697</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	666	4,827	3,193	226	86	8,998	576	2,299	16,485
Operable Capacity (daily average) .....	746	5,213	3,288	260	110	9,617	661	2,650	17,963
Operable Utilization Rate (percent) <sup>2</sup> .....	89.3	92.6	97.1	86.8	78.3	93.6	87.2	86.7	91.8
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	145	754	550	38	18	1,505	94	371	2,769
Catalytic Cracking .....	168	1,280	814	17	23	2,303	159	599	4,367
Catalytic Hydrocracking .....	43	543	441	18	13	1,057	22	441	1,846
Delayed and Fluid Coking .....	26	753	499	30	—	1,308	47	395	2,264
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.60	1.44	1.21	1.33	0.84	1.27	1.28	1.32	1.29
API Gravity, Weighted Average (degrees) .....	39.98	33.90	31.92	31.90	38.66	33.80	32.99	28.88	33.11
<b>Operable Capacity (daily average)</b> .....	<b>746</b>	<b>5,213</b>	<b>3,288</b>	<b>260</b>	<b>110</b>	<b>9,617</b>	<b>661</b>	<b>2,650</b>	<b>17,963</b>
Operating .....	746	5,191	3,278	260	110	9,585	641	2,634	17,806
Idle .....	—	22	10	—	—	32	20	16	157
<b>Alaskan Crude Oil Receipts</b> .....	—	—	—	—	—	—	—	<b>173,336</b>	<b>173,336</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

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

<sup>2</sup> 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."