

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2016**  
(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>30,980</b>	<b>2,845</b>	<b>33,825</b>	<b>70,650</b>	<b>14,965</b>	<b>25,273</b>	<b>110,888</b>
<b>Natural Gas Plant Liquids</b> .....	<b>353</b>	<b>-</b>	<b>353</b>	<b>2,474</b>	<b>114</b>	<b>961</b>	<b>3,549</b>
Pentanes Plus .....	-	-	-	289	-	474	763
Liquefied Petroleum Gases .....	353	-	353	2,185	114	487	2,786
Normal Butane .....	105	-	105	1,082	59	21	1,162
Isobutane .....	248	-	248	1,103	55	466	1,624
<b>Other Liquids</b> .....	<b>-13,701</b>	<b>-55</b>	<b>-13,756</b>	<b>-32,569</b>	<b>-5,465</b>	<b>-11,700</b>	<b>-49,734</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	187	108	295	859	451	282	1,592
Hydrogen .....	110	1	111	585	276	177	1,038
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	77	107	184	245	175	105	525
Fuel Ethanol .....	77	87	164	147	152	99	398
Renewable Diesel Fuel .....	-	20	20	98	23	6	127
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	29	-	-	29
<b>Unfinished Oils (net)</b> .....	<b>396</b>	<b>-263</b>	<b>133</b>	<b>-187</b>	<b>-13</b>	<b>-346</b>	<b>-546</b>
Naphthas and Lighter .....	804	-220	584	505	-185	-54	266
Kerosene and Light Gas Oils .....	-130	-	-130	-278	173	-217	-322
Heavy Gas Oils .....	-625	-41	-666	-249	-1	-12	-262
Residuum .....	347	-2	345	-165	-	-63	-228
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-14,284	100	-14,184	-33,241	-5,903	-11,636	-50,780
Reformulated - RBOB .....	-9,237	-	-9,237	-7,910	-401	-293	-8,604
Conventional .....	-5,047	100	-4,947	-25,331	-5,502	-11,343	-42,176
CBOB .....	-4,909	94	-4,815	-26,228	-5,576	-11,796	-43,600
GTAB .....	-	-	-	-	-	-	-
Other .....	-138	6	-132	897	74	453	1,424
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>17,632</b>	<b>2,790</b>	<b>20,422</b>	<b>40,555</b>	<b>9,614</b>	<b>14,534</b>	<b>64,703</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	988	92	1,080	2,278	483	816	3,577
Operable Capacity (daily average) .....	1,179	98	1,278	2,575	510	872	3,957
Operable Utilization Rate (percent) <sup>2</sup> .....	83.8	93.9	84.6	88.5	94.7	93.6	90.4
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	162	13	175	457	60	147	664
Catalytic Cracking .....	359	15	374	683	142	210	1,035
Catalytic Hydrocracking .....	34	-	34	199	51	48	298
Delayed and Fluid Coking .....	59	-	59	303	66	96	465
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.86	1.54	0.91	1.55	1.97	0.78	1.43
API Gravity, Weighted Average (degrees) .....	32.92	32.45	32.88	31.72	29.48	36.62	32.49
<b>Operable Capacity (daily average)</b> .....	<b>1,179</b>	<b>98</b>	<b>1,278</b>	<b>2,575</b>	<b>510</b>	<b>872</b>	<b>3,957</b>
Operating .....	1,147	98	1,246	2,553	510	872	3,935
Idle .....	32	-	32	22	-	-	22
<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 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2016**  
(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> .....	21,308	123,133	96,126	6,966	3,811	251,344	18,362	64,666	479,085
<b>Natural Gas Plant Liquids</b> .....	471	4,368	4,039	48	168	9,094	559	2,766	16,321
Pentanes Plus .....	149	1,280	822	13	—	2,264	166	815	4,008
Liquefied Petroleum Gases .....	322	3,088	3,217	35	168	6,830	393	1,951	12,313
Normal Butane .....	149	1,410	1,722	—	11	3,292	241	954	5,754
Isobutane .....	173	1,678	1,495	35	157	3,538	152	997	6,559
<b>Other Liquids</b> .....	-8,569	-45,630	-30,274	-1,673	-1,422	-87,568	-4,448	-30,110	-185,616
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	250	2,069	1,975	141	95	4,530	573	1,358	8,348
Hydrogen .....	20	1,847	1,637	81	45	3,630	227	1,110	6,116
Oxygenates (excluding Fuel Ethanol) .....	—	132	—	—	—	132	—	—	132
Methyl Tertiary Butyl Ether (MTBE) .....	—	132	—	—	—	132	—	—	132
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	230	90	338	60	50	768	346	248	2,071
Fuel Ethanol .....	196	46	172	26	43	483	304	96	1,445
Renewable Diesel Fuel .....	34	43	166	34	7	284	42	142	615
Other Renewable Fuels .....	—	1	—	—	—	1	—	10	11
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	29
Unfinished Oils (net) .....	-848	-878	6,038	-40	-47	4,225	-67	5,138	8,883
Naphthas and Lighter .....	-549	-4,933	-841	28	-34	-6,329	-35	254	-5,260
Kerosene and Light Gas Oils .....	35	-1,736	1,409	-2	-3	-297	-207	-590	-1,546
Heavy Gas Oils .....	-160	4,499	4,328	-23	-10	8,634	184	5,117	13,007
Residium .....	-174	1,292	1,142	-43	—	2,217	-9	357	2,682
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-7,974	-46,821	-38,291	-1,774	-1,470	-96,330	-4,954	-36,606	-202,854
Reformulated - RBOB .....	-1,058	-14,928	-2,754	—	-721	-19,461	—	-28,028	-65,330
Conventional .....	-6,916	-31,893	-35,537	-1,774	-749	-76,869	-4,954	-8,578	-137,524
CBOB .....	-6,895	-28,165	-32,845	-1,800	-826	-70,531	-5,038	-9,184	-133,168
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	-21	-3,728	-2,692	26	77	-6,338	84	606	-4,356
Aviation Gasoline Blend. Comp. (net) .....	3	—	4	—	—	7	—	—	7
<b>Total Input to Refineries</b> .....	<b>13,210</b>	<b>81,871</b>	<b>69,891</b>	<b>5,341</b>	<b>2,557</b>	<b>172,870</b>	<b>14,473</b>	<b>37,322</b>	<b>309,790</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	677	4,036	3,245	200	123	8,281	582	2,262	15,783
Operable Capacity (daily average) .....	704	4,838	3,707	243	128	9,620	696	2,924	18,474
Operable Utilization Rate (percent) <sup>2</sup> .....	96.2	83.4	87.6	82.4	96.4	86.1	83.7	77.4	85.4
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	145	643	486	33	26	1,333	93	377	2,642
Catalytic Cracking .....	175	1,340	962	19	35	2,530	165	754	4,859
Catalytic Hydrocracking .....	49	391	386	20	—	846	23	439	1,640
Delayed and Fluid Coking .....	29	694	517	26	—	1,267	63	397	2,251
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.68	1.55	1.57	1.59	0.72	1.47	1.45	1.21	1.38
API Gravity, Weighted Average (degrees) .....	38.90	31.28	29.64	31.10	38.39	31.43	32.78	28.00	31.35
<b>Operable Capacity (daily average)</b> .....	<b>704</b>	<b>4,838</b>	<b>3,707</b>	<b>243</b>	<b>128</b>	<b>9,620</b>	<b>696</b>	<b>2,924</b>	<b>18,474</b>
Operating .....	704	4,838	3,707	243	128	9,620	683	2,701	18,183
Idle .....	—	—	—	—	—	—	13	224	291
<b>Alaskan Crude Oil Receipts</b> .....	—	—	—	—	—	—	—	14,647	14,647

— = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<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."