

**Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts,  
July 2004**

(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II			
	East Coast	Appalachian No. 1	Total	Ind., Ill., Ky.	Minn., Wis., N. Dak., S. Dak.	Okla., Kans., Mo.	Total
<b>Crude Oil</b> .....	<b>49,427</b>	<b>2,612</b>	<b>52,039</b>	<b>69,041</b>	<b>13,601</b>	<b>22,667</b>	<b>105,309</b>
<b>Natural Gas Liquids</b> .....	<b>162</b>	<b>0</b>	<b>162</b>	<b>1,122</b>	<b>218</b>	<b>912</b>	<b>2,252</b>
Pentanes Plus .....	0	0	0	440	161	669	1,270
Liquefied Petroleum Gases .....	162	0	162	682	57	243	982
Ethane .....	0	0	0	0	0	0	0
Propane .....	0	0	0	0	0	0	0
Normal Butane .....	2	0	2	49	0	0	49
Isobutane .....	160	0	160	633	57	243	933
<b>Other Liquids</b> .....	<b>12,842</b>	<b>139</b>	<b>12,981</b>	<b>2,033</b>	<b>-1,275</b>	<b>513</b>	<b>1,271</b>
Other Hydrocarbons/Hydrogen/Oxygenates .....	2,590	120	2,710	1,976	686	438	3,100
Other Hydrocarbons/Hydrogen .....	0	0	0	99	51	104	254
Oxygenates .....	W	W	2,710	1,877	635	334	2,846
Fuel Ethanol .....	W	W	W	W	W	W	2,846
Methanol .....	W	W	W	W	W	W	W
MTBE .....	W	W	1,584	W	W	W	W
Other Oxygenates <sup>a</sup> .....	W	W	W	W	W	W	W
Unfinished Oils (net) .....	1,325	16	1,341	3,294	259	-752	2,801
Motor Gasoline Blend. Comp. (net) .....	9,133	3	9,136	-3,239	-2,220	827	-4,632
Aviation Gasoline Blend. Comp. (net) .....	-206	0	-206	2	0	0	2
<b>Total Input to Refineries</b> .....	<b>62,431</b>	<b>2,751</b>	<b>65,182</b>	<b>72,196</b>	<b>12,544</b>	<b>24,092</b>	<b>108,832</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	1,558	84	1,643	2,237	439	735	3,410
Operable Capacity (daily average) .....	1,647	94	1,741	2,327	426	773	3,526
Operable Utilization Rate (percent) <sup>b,c</sup> .....	94.6	89.3	94.4	96.1	103.0	95.1	96.7
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Cracking .....	630	21	651	831	144	209	1,185
Catalytic Hydrocracking .....	42	0	42	136	0	7	143
Delayed and Fluid Coking .....	80	0	80	170	62	81	313
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.93	1.58	0.96	1.40	2.26	0.86	1.40
API Gravity, Weighted Average (degrees) .....	32.05	31.65	32.03	31.65	27.43	35.27	31.88
<b>Operable Capacity (daily average)</b> .....	<b>1,647</b>	<b>94</b>	<b>1,741</b>	<b>2,327</b>	<b>426</b>	<b>773</b>	<b>3,526</b>
Operating .....	1,647	94	1,741	2,327	426	773	3,526
Idle .....	0	0	0	0	0	0	0
<b>Alaskan Crude Oil Receipts</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts,  
July 2004 (Continued)**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District III						PAD Dist.	PAD Dist.	U.S. Total
	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	IV	V	
							Rocky Mt.	West Coast	
Crude Oil .....	19,385	117,453	95,977	5,308	2,749	240,872	18,078	84,043	500,341
Natural Gas Liquids .....	957	3,161	2,093	56	235	6,502	447	1,628	10,991
Pentanes Plus .....	527	1,442	1,195	9	131	3,304	158	695	5,427
Liquefied Petroleum Gases .....	430	1,719	898	47	104	3,198	289	933	5,564
Ethane .....	0	0	0	0	0	0	0	0	0
Propane .....	0	0	0	0	0	0	0	0	0
Normal Butane .....	268	157	116	0	0	541	116	560	1,268
Isobutane .....	162	1,562	782	47	104	2,657	173	373	4,296
Other Liquids .....	155	7,506	1,995	-209	-263	9,184	189	3,690	27,315
Other Hydrocarbons/Hydrogen/Oxygenates .....	163	2,926	925	0	14	4,028	115	2,803	12,756
Other Hydrocarbons/Hydrogen .....	142	523	510	0	0	1,175	34	844	2,307
Oxygenates .....	21	2,403	415	W	W	2,853	81	1,959	10,449
Fuel Ethanol .....	W	W	W	W	W	W	81	1,959	6,012
Methanol .....	W	W	W	W	W	W	W	W	0
MTBE .....	W	2,335	W	W	W	2,785	W	0	4,369
Other Oxygenates <sup>a</sup> .....	W	W	W	W	W	W	W	W	68
Unfinished Oils (net) .....	170	8,805	2,428	-190	116	11,329	-46	1,829	17,254
Motor Gasoline Blend. Comp. (net) .....	-178	-4,225	-1,361	-19	-393	-6,176	120	-942	-2,494
Aviation Gasoline Blend. Comp. (net) .....	0	0	3	0	0	3	0	0	-201
Total Input to Refineries .....	20,497	128,120	100,065	5,155	2,721	256,558	18,714	89,361	538,647
Atmospheric Crude Oil Distillation									
Gross Input (daily average) .....	627	3,760	3,138	158	89	7,772	589	2,967	16,381
Operable Capacity (daily average) .....	615	3,854	3,121	211	96	7,895	582	3,164	16,908
Operable Utilization Rate (percent) <sup>b,c</sup> .....	102.0	97.6	100.6	75.2	92.8	98.4	101.1	93.8	96.9
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Cracking .....	200	1,552	1,059	19	27	2,858	163	802	5,660
Catalytic Hydrocracking .....	63	311	265	0	0	638	15	520	1,358
Delayed and Fluid Coking .....	4	668	482	13	0	1,166	42	514	2,115
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent) .....	0.89	1.75	1.62	1.71	0.58	1.62	1.34	1.23	1.42
API Gravity, Weighted Average (degrees) .....	37.09	28.89	29.59	28.93	39.70	29.95	32.52	27.46	30.25
Operable Capacity (daily average) .....	615	3,854	3,121	211	96	7,895	582	3,164	16,908
Operating .....	615	3,854	3,104	211	96	7,879	582	3,108	16,835
Idle .....	0	0	17	0	0	17	(s)	57	74
Alaskan Crude Oil Receipts .....	0	0	0	0	0	0	0	28,466	28,466

<sup>a</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>b</sup> Represents gross input divided by operable calendar day capacity.

<sup>c</sup> See Table H2 in the Highlights Section for additional information concerning utilization rates.

W = Withheld to avoid disclosure of individual company data.

Note: • Totals may not equal sum of components due to independent rounding. • Refer to Appendix A for Refining District descriptions.

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