Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2011
(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	**30,145**	**2,910**	**33,055**	**66,460**	**14,006**	**22,188**	**102,654**
Natural Gas Plant Liquids	**533**	**–**	**533**	**2,518**	**141**	**713**	**3,372**
Pentanes Plus	–	–	–	670	33	333	1,036
Liquefied Petroleum Gases	533	–	533	1,848	108	380	2,336
Normal Butane	163	–	163	934	75	–	1,009
Isobutane	370	–	370	914	33	380	1,327
Other Liquids	**-8,030**	**25**	**-8,005**	**-27,706**	**-3,673**	**-21**	**-31,400**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	202	125	327	594	158	233	985
Hydrogen	21	17	38	381	88	140	609
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	181	108	289	185	70	93	348
Fuel Ethanol	181	93	274	159	60	87	306
Renewable Diesel Fuel	–	15	15	26	10	6	42
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	28	–	–	28
Unfinished Oils (net)	3,591	-86	3,505	1,321	98	-177	1,242
Naphthas and Lighter	625	-30	595	1,995	4	124	2,123
Kerosene and Light Gas Oils	32	–	32	-414	13	-62	-463
Heavy Gas Oils	1,300	-54	1,246	341	80	-125	296
Residuum	1,634	-2	1,632	-601	1	-114	-714
Motor Gasoline Blend.Comp. (MGBC)(net)	-11,823	-14	-11,837	-29,621	-3,929	-77	-33,627
Reformulated - RBOB	-10,505	–	-10,505	-8,885	-480	–	-9,365
Conventional	-1,318	-14	-1,332	-20,736	-3,449	-77	-24,262
CBOB	-1,668	-19	-1,687	-21,445	-3,606	-133	-25,184
GTAB	176	–	176	–	–	–	–
Other	174	5	179	709	157	56	922
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**22,648**	**2,935**	**25,583**	**41,272**	**10,474**	**22,880**	**74,626**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	1,005	97	1,102	2,229	468	752	3,448
Operable Capacity (daily average)	1,523	95	1,618	2,433	428	860	3,721
Operable Utilization Rate (percent)[2]	66.0	102.3	68.1	91.6	109.3	87.4	92.7
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	168	16	184	462	76	169	707
Catalytic Cracking	474	17	491	722	138	162	1,022
Catalytic Hydrocracking	18	–	18	146	48	52	246
Delayed and Fluid Coking	59	–	59	209	65	78	353
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.70	1.73	0.79	1.35	2.27	0.75	1.35
API Gravity, Weighted Average (degrees)	31.31	31.64	31.34	32.87	28.36	36.88	33.13
Operable Capacity (daily average)	**1,523**	**95**	**1,618**	**2,433**	**428**	**860**	**3,721**
Operating	1,177	95	1,272	2,372	428	848	3,648
Idle	345	–	345	62	–	12	74
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, November 2011
(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	**18,727**	**109,720**	**90,940**	**6,750**	**3,377**	**229,514**	**17,008**	**66,509**	**448,740**
Natural Gas Plant Liquids	**627**	**4,938**	**3,872**	**31**	**135**	**9,603**	**626**	**2,538**	**16,672**
Pentanes Plus	225	1,404	1,148	15	–	2,792	143	754	4,725
Liquefied Petroleum Gases	402	3,534	2,724	16	135	6,811	483	1,784	11,947
Normal Butane	201	1,930	1,269	–	–	3,400	269	1,139	5,980
Isobutane	201	1,604	1,455	16	135	3,411	214	645	5,967
Other Liquids	**-3,846**	**-26,752**	**-27,216**	**-135**	**-536**	**-58,485**	**-692**	**-25,430**	**-124,012**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	194	2,183	1,476	194	77	4,124	487	1,393	7,316
Hydrogen	34	2,006	1,329	167	33	3,569	207	1,204	5,627
Oxygenates (excluding Fuel Ethanol)	–	129	–	–	–	129	–	–	129
Methyl Tertiary Butyl Ether (MTBE)	–	129	–	–	–	129	–	–	129
All Other Oxygenates[1]	–	–	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	160	48	147	27	44	426	280	189	1,532
Fuel Ethanol	133	48	147	27	44	399	280	154	1,413
Renewable Diesel Fuel	27	–	–	–	–	27	–	35	119
Other Renewable Fuels	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	28
Unfinished Oils (net)	821	7,651	7,666	13	98	16,249	129	1,922	23,047
Naphthas and Lighter	304	-57	814	-22	114	1,153	85	-60	3,896
Kerosene and Light Gas Oils	227	-1,612	819	27	-17	-556	-199	96	-1,090
Heavy Gas Oils	91	6,517	1,281	93	1	7,983	288	1,914	11,727
Residuum	199	2,803	4,752	-85	–	7,669	-45	-28	8,514
Motor Gasoline Blend.Comp. (MGBC)(net)	-4,864	-36,586	-36,358	-342	-711	-78,861	-1,308	-28,745	-154,378
Reformulated - RBOB	-923	-13,889	-2,149	–	-769	-17,730	–	-26,439	-64,039
Conventional	-3,941	-22,697	-34,209	-342	58	-61,131	-1,308	-2,306	-90,339
CBOB	-3,461	-19,677	-33,109	-326	27	-56,546	-1,379	-3,308	-88,104
GTAB	–	–	–	–	–	–	–	–	176
Other	-480	-3,020	-1,100	-16	31	-4,585	71	1,002	-2,411
Aviation Gasoline Blend. Comp. (net)	3	–	–	–	–	3	–	–	3
Total Input to Refineries	**15,508**	**87,906**	**67,596**	**6,646**	**2,976**	**180,632**	**16,942**	**43,617**	**341,400**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	630	3,714	3,228	204	113	7,889	567	2,427	15,433
Operable Capacity (daily average)	658	4,053	3,551	235	143	8,640	624	3,128	17,730
Operable Utilization Rate (percent)[2]	95.7	91.6	90.9	86.7	78.8	91.3	90.8	77.6	87.0
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	147	581	519	31	24	1,303	96	355	2,644
Catalytic Cracking	178	1,276	1,048	19	32	2,552	172	639	4,877
Catalytic Hydrocracking	45	397	349	16	–	807	19	446	1,537
Delayed and Fluid Coking	30	626	563	23	–	1,242	72	451	2,176
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.75	1.76	1.49	1.58	0.80	1.55	1.32	1.35	1.41
API Gravity, Weighted Average (degrees)	36.29	29.16	30.09	31.44	38.64	30.34	33.19	27.26	30.68
Operable Capacity (daily average)	**658**	**4,053**	**3,551**	**235**	**143**	**8,640**	**624**	**3,128**	**17,730**
Operating	658	3,895	3,418	235	126	8,332	624	2,611	16,487
Idle	–	159	133	–	17	308	–	517	1,244
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**16,019**	**16,019**

– = No Data Reported.
NA = Not Available.
[1] 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).
[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."