Table 17. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2009
(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	**427,376**	**32,303**	**459,679**	**731,339**	**148,976**	**264,074**	**1,144,389**
Natural Gas Plant Liquids	**4,614**	**–**	**4,614**	**25,971**	**2,607**	**11,438**	**40,016**
Pentanes Plus	–	–	–	7,079	1,748	6,357	15,184
Liquefied Petroleum Gases	4,614	–	4,614	18,892	859	5,081	24,832
Ethane	–	–	–	–	–	–	–
Propane	–	–	–	–	–	–	–
Normal Butane	727	–	727	7,019	353	433	7,805
Isobutane	3,887	–	3,887	11,873	506	4,648	17,027
Other Liquids	**-88,537**	**-485**	**-89,022**	**-258,798**	**-50,210**	**-2,138**	**-311,146**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	1,576	21	1,597	5,015	1,676	1,590	8,281
Hydrogen	271	21	292	2,954	879	1,167	5,000
Oxygenates (excluding Fuel Ethanol)	–	–	–	–	–	–	–
Methyl Tertiary Butyl Ether (MTBE)	–	–	–	–	–	–	–
All Other Oxygenates[1]	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	1,305	–	1,305	1,565	797	423	2,785
Fuel Ethanol	1,305	–	1,305	1,565	710	423	2,698
Renewable Diesel Fuel	–	–	–	–	87	–	87
Other Renewable Fuels	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	496	–	–	496
Unfinished Oils (net)	50,636	-506	50,130	25,168	-1,542	-3,548	20,078
Naphthas and Lighter	8,640	-162	8,478	16,722	13	-1,433	15,302
Kerosene and Light Gas Oils	-4,329	–	-4,329	2,383	-1,308	352	1,427
Heavy Gas Oils	22,760	-329	22,431	7,869	-247	1,639	9,261
Residuum	23,565	-15	23,550	-1,806	–	-4,106	-5,912
Motor Gasoline Blend.Comp. (MGBC)(net)	-140,749	0	-140,749	-288,981	-50,344	-180	-339,505
Reformulated	-134,464	–	-134,464	-99,438	-4,142	–	-103,580
GTAB	–	–	–	–	–	–	–
RBOB for Blending with Ether	–	–	–	–	–	–	–
RBOB for Blending with Alcohol	-134,464	–	-134,464	-99,438	-4,142	–	-103,580
Conventional	-6,285	0	-6,285	-189,543	-46,202	-180	-235,925
CBOB	-12,981	–	-12,981	-198,908	-39,698	–	-238,606
GTAB	–	–	–	–	–	–	–
Other	6,696	0	6,696	9,365	-6,504	-180	2,681
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**343,453**	**31,818**	**375,271**	**498,512**	**101,373**	**273,374**	**873,259**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	1,158	89	1,246	2,016	409	728	3,153
Operable Capacity (daily average)	1,628	95	1,723	2,370	447	854	3,672
Operable Utilization Rate (percent)[2]	71.1	93.2	72.4	85.1	91.5	85.2	85.9
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Cracking	528	15	543	670	127	198	995
Catalytic Hydrocracking	29	–	29	117	41	56	213
Delayed and Fluid Coking	50	–	50	191	58	79	328
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.70	1.60	0.76	1.31	1.95	1.00	1.34
API Gravity, Weighted Average (degrees)	32.43	32.30	32.42	32.96	27.55	35.22	32.66
Operable Capacity (daily average)	**1,628**	**95**	**1,723**	**2,370**	**447**	**854**	**3,672**
Operating	1,497	95	1,592	2,368	447	848	3,663
Idle	130	–	130	3	–	6	9
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**

See footnotes at end of table.

Table 17. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2009
(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	**203,507**	**1,243,683**	**1,015,209**	**62,200**	**37,563**	**2,562,162**	**197,006**	**869,420**	**5,232,656**
Natural Gas Plant Liquids	**9,224**	**53,160**	**31,367**	**1,011**	**1,830**	**96,592**	**5,536**	**24,750**	**171,508**
Pentanes Plus	4,290	17,045	10,888	582	10	32,815	1,465	7,828	57,292
Liquefied Petroleum Gases	4,934	36,115	20,479	429	1,820	63,777	4,071	16,922	114,216
Ethane	–	–	–	–	–	–	–	–	–
Propane	–	–	–	–	–	–	–	–	–
Normal Butane	2,998	14,562	7,340	88	–	24,988	1,776	9,335	44,631
Isobutane	1,936	21,553	13,139	341	1,820	38,789	2,295	7,587	69,585
Other Liquids	**-23,658**	**-207,739**	**-106,883**	**-3,065**	**-5,807**	**-347,152**	**-1,579**	**-335,576**	**-1,084,475**
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	2,457	18,169	12,551	314	494	33,985	3,759	12,175	59,797
Hydrogen	1,673	18,057	12,061	257	223	32,271	2,217	11,059	50,839
Oxygenates (excluding Fuel Ethanol)	–	90	–	–	–	90	–	–	90
Methyl Tertiary Butyl Ether (MTBE)	–	90	–	–	–	90	–	–	90
All Other Oxygenates[1]	–	–	–	–	–	–	–	–	–
Renewable Fuels (including Fuel Ethanol)	784	22	490	57	271	1,624	1,542	1,109	8,365
Fuel Ethanol	784	22	490	57	271	1,624	1,542	1,109	8,278
Renewable Diesel Fuel	–	–	–	–	–	–	–	–	87
Other Renewable Fuels	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	7	503
Unfinished Oils (net)	2,326	81,710	89,162	-691	1,835	174,342	-724	19,810	263,636
Naphthas and Lighter	768	10,088	3,563	-96	1,537	15,860	105	-75	39,670
Kerosene and Light Gas Oils	-245	-449	21,896	288	107	21,597	-1,774	-17	16,904
Heavy Gas Oils	2,426	57,011	48,367	-116	191	107,879	1,948	18,811	160,330
Residuum	-623	15,060	15,336	-767	–	29,006	-1,003	1,091	46,732
Motor Gasoline Blend.Comp. (MGBC)(net)	-28,425	-307,775	-208,596	-2,688	-8,136	-555,620	-4,614	-367,561	-1,408,049
Reformulated	-14,408	-194,251	-38,520	–	-8,115	-255,294	–	-323,538	-816,876
GTAB	–	–	–	–	–	–	–	–	–
RBOB for Blending with Ether	–	-84	–	–	–	-84	–	–	-84
RBOB for Blending with Alcohol	-14,408	-194,167	-38,520	–	-8,115	-255,210	–	-323,538	-816,792
Conventional	-14,017	-113,524	-170,076	-2,688	-21	-300,326	-4,614	-44,023	-591,173
CBOB	-9,420	-86,307	-146,261	-2,140	–	-244,128	-4,270	-53,167	-553,152
GTAB	–	–	–	–	–	–	–	–	–
Other	-4,597	-27,217	-23,815	-548	-21	-56,198	-344	9,144	-38,021
Aviation Gasoline Blend. Comp. (net)	-16	157	0	–	–	141	–	–	141
Total Input to Refineries	**189,073**	**1,089,104**	**939,693**	**60,146**	**33,586**	**2,311,602**	**200,963**	**558,594**	**4,319,689**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	574	3,437	2,856	163	103	7,133	545	2,581	14,659
Operable Capacity (daily average)	671	4,076	3,329	231	133	8,440	622	3,222	17,678
Operable Utilization Rate (percent)[2]	85.5	84.3	85.8	70.5	77.6	84.5	87.6	80.1	82.9
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Cracking	159	1,333	1,048	14	31	2,585	158	676	4,957
Catalytic Hydrocracking	44	289	199	–	–	532	15	451	1,239
Delayed and Fluid Coking	26	611	396	8	–	1,041	56	434	1,908
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.94	1.87	1.38	1.51	0.53	1.58	1.48	1.25	1.40
API Gravity, Weighted Average (degrees)	35.83	28.02	30.27	30.66	39.25	29.75	33.00	26.87	30.37
Operable Capacity (daily average)	**671**	**4,076**	**3,329**	**231**	**133**	**8,440**	**622**	**3,222**	**17,678**
Operating	652	4,015	3,234	204	131	8,235	620	3,008	17,118
Idle	19	62	95	27	1	205	2	214	560
Alaskan Crude Oil Receipts	**–**	**–**	**145**	**–**	**–**	**145**	**–**	**238,146**	**238,291**

– = No Data Reported.
[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."