

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 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	368,237	32,002	400,239	799,702	160,419	270,503	1,230,624
Natural Gas Plant Liquids	5,667	-	5,667	23,832	1,627	9,213	34,672
Pentanes Plus	-	-	-	7,269	697	4,748	12,714
Liquefied Petroleum Gases	5,667	-	5,667	16,563	930	4,465	21,958
Normal Butane	1,310	-	1,310	5,617	442	103	6,162
Isobutane	4,357	-	4,357	10,946	488	4,362	15,796
Other Liquids	-104,463	829	-103,634	-321,748	-46,821	-729	-369,298
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	2,399	1,311	3,710	7,234	1,709	2,784	11,727
Hydrogen	317	180	497	4,699	970	1,773	7,442
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	2,082	1,131	3,213	2,050	739	1,011	3,800
Fuel Ethanol	2,082	984	3,066	1,959	654	970	3,583
Renewable Diesel Fuel	-	147	147	91	85	41	217
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	485	-	-	485
Unfinished Oils (net)	39,004	-650	38,354	8,090	-884	-2,178	5,028
Naphthas and Lighter	4,965	-159	4,806	11,441	-23	277	11,695
Kerosene and Light Gas Oils	-1,419	-	-1,419	-3,295	-677	3,879	-93
Heavy Gas Oils	18,139	-476	17,663	5,262	-179	-474	4,609
Residuum	17,319	-15	17,304	-5,318	-5	-5,860	-11,183
Motor Gasoline Blend.Comp. (MGBC)(net)	-145,866	168	-145,698	-337,072	-47,627	-1,335	-386,034
Reformulated - RBOB	-118,629	-	-118,629	-95,936	-5,337	-	-101,273
Conventional	-27,237	168	-27,069	-241,136	-42,290	-1,335	-284,761
CBOB	-27,033	98	-26,935	-243,415	-39,961	-823	-284,199
GTAB	412	-	412	-	-	-	-
Other	-616	70	-546	2,279	-2,329	-512	-562
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-19	-	-19
Total Input to Refineries	269,441	32,831	302,272	501,786	115,225	278,987	895,998
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	1,012	88	1,100	2,200	440	755	3,395
Operable Capacity (daily average)	1,523	95	1,618	2,433	428	860	3,721
Operable Utilization Rate (percent) ²	66.5	92.6	68.0	90.4	102.9	87.8	91.2
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	173	15	188	436	69	160	665
Catalytic Cracking	476	14	491	710	126	182	1,018
Catalytic Hydrocracking	18	-	18	139	38	47	224
Delayed and Fluid Coking	38	-	38	213	57	80	350
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.63	1.61	0.71	1.31	2.25	0.88	1.34
API Gravity, Weighted Average (degrees)	33.14	32.52	33.09	33.24	28.23	36.21	33.24
Operable Capacity (daily average)	1,523	95	1,618	2,433	428	860	3,721
Operating	1,200	95	1,295	2,372	428	848	3,648
Idle	322	-	322	62	-	12	74
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 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	219,246	1,262,774	1,117,895	79,852	38,498	2,718,265	198,846	856,373	5,404,347
Natural Gas Plant Liquids	6,325	51,288	42,872	608	1,726	102,819	5,679	22,237	171,074
Pentanes Plus	2,656	17,533	19,039	396	41	39,665	1,567	7,113	61,059
Liquefied Petroleum Gases	3,669	33,755	23,833	212	1,685	63,154	4,112	15,124	110,015
Normal Butane	1,646	15,143	7,561	—	5	24,355	1,815	8,445	42,087
Isobutane	2,023	18,612	16,272	212	1,680	38,799	2,297	6,679	67,928
Other Liquids	-45,999	-304,150	-332,463	-1,390	-5,777	-689,779	-8,954	-312,155	-1,483,820
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	1,958	23,684	16,604	2,167	977	45,390	5,507	17,584	83,918
Hydrogen	351	21,943	15,218	1,984	415	39,911	2,291	15,766	65,907
Oxygenates (excluding Fuel Ethanol)	—	1,154	—	—	—	1,154	—	—	1,154
Methyl Tertiary Butyl Ether (MTBE)	—	1,154	—	—	—	1,154	—	—	1,154
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,607	587	1,386	183	562	4,325	3,216	1,818	16,372
Fuel Ethanol	1,452	587	1,386	183	562	4,170	3,216	1,724	15,759
Renewable Diesel Fuel	155	—	—	—	—	155	—	94	613
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	485
Unfinished Oils (net)	931	92,798	77,748	62	875	172,414	-1,170	27,492	242,118
Naphthas and Lighter	-197	-3,495	-3,138	-254	592	-6,492	-15	-2,074	7,920
Kerosene and Light Gas Oils	69	-14,782	11,060	7	58	-3,588	-2,365	458	-7,007
Heavy Gas Oils	1,753	88,610	28,886	954	225	120,428	2,222	28,408	173,330
Residuum	-694	22,465	40,940	-645	—	62,066	-1,012	700	67,875
Motor Gasoline Blend.Comp. (MGBC)(net)	-48,890	-420,632	-426,815	-3,619	-7,629	-907,585	-13,291	-357,231	-1,809,839
Reformulated - RBOB	-4,790	-180,326	-39,747	—	-7,673	-232,536	—	-311,703	-764,141
Conventional	-44,100	-240,306	-387,068	-3,619	44	-675,049	-13,291	-45,528	-1,045,698
CBOB	-40,086	-213,120	-365,410	-3,212	57	-621,771	-12,853	-50,890	-996,648
GTAB	—	—	—	—	—	—	—	—	412
Other	-4,014	-27,186	-21,658	-407	-13	-53,278	-438	5,362	-49,462
Aviation Gasoline Blend. Comp. (net)	2	—	—	—	—	2	—	—	-17
Total Input to Refineries	179,572	1,009,912	828,304	79,070	34,447	2,131,305	195,571	566,455	4,091,601
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	602	3,538	3,242	199	105	7,686	546	2,561	15,289
Operable Capacity (daily average)	659	4,058	3,551	235	143	8,646	624	3,117	17,726
Operable Utilization Rate (percent) ²	91.3	87.2	91.3	84.8	73.8	88.9	87.5	82.2	86.3
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	125	565	501	30	22	1,243	97	378	2,571
Catalytic Cracking	162	1,317	1,045	18	29	2,570	158	716	4,952
Catalytic Hydrocracking	41	337	351	15	—	745	18	462	1,467
Delayed and Fluid Coking	29	586	549	19	—	1,183	63	459	2,094
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.81	1.75	1.46	1.63	1.32	1.54	1.37	1.35	1.40
API Gravity, Weighted Average (degrees)	36.37	28.76	29.97	30.04	34.89	30.00	33.19	27.59	30.69
Operable Capacity (daily average)	659	4,058	3,551	235	143	8,646	624	3,117	17,726
Operating	658	3,977	3,490	235	126	8,486	624	2,958	17,011
Idle	1	81	61	—	17	160	0	159	715
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	201,320	201,320

— = 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."