

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 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
Crude Oil	30,971	2,566	33,537	69,138	15,223	25,867	110,228
Natural Gas Plant Liquids	682	—	682	2,618	110	832	3,560
Pentanes Plus	—	—	—	153	—	340	493
Liquefied Petroleum Gases	682	—	682	2,465	110	492	3,067
Normal Butane	388	—	388	1,409	74	23	1,506
Isobutane	294	—	294	1,056	36	469	1,561
Other Liquids	-13,779	155	-13,624	-33,890	-5,684	-11,543	-51,117
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	186	114	300	876	442	303	1,621
Hydrogen	113	2	115	611	273	199	1,083
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	73	112	185	250	169	104	523
Fuel Ethanol	73	89	162	156	149	99	404
Renewable Diesel Fuel	—	23	23	94	20	5	119
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	15	—	—	15
Unfinished Oils (net)	2,306	119	2,425	-811	80	-128	-859
Naphthas and Lighter	978	147	1,125	373	-81	96	388
Kerosene and Light Gas Oils	48	—	48	-557	164	103	-290
Heavy Gas Oils	908	-30	878	-547	-3	19	-531
Residuum	372	2	374	-80	—	-346	-426
Motor Gasoline Blend.Comp. (MGBC)(net)	-16,271	-78	-16,349	-33,955	-6,206	-11,718	-51,879
Reformulated - RBOB	-11,266	—	-11,266	-7,727	-384	-201	-8,312
Conventional	-5,005	-78	-5,083	-26,228	-5,822	-11,517	-43,567
CBOB	-4,418	-76	-4,494	-26,369	-5,715	-11,304	-43,388
GTAB	—	—	—	—	—	—	—
Other	-587	-2	-589	141	-107	-213	-179
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	17,874	2,721	20,595	37,866	9,649	15,156	62,671
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	1,033	86	1,119	2,299	508	863	3,669
Operable Capacity (daily average)	1,179	98	1,278	2,575	510	872	3,957
Operable Utilization Rate (percent) ²	87.6	87.7	87.6	89.3	99.5	99.0	92.7
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	175	15	191	419	60	149	628
Catalytic Cracking	394	13	407	704	147	215	1,066
Catalytic Hydrocracking	37	—	37	178	51	48	276
Delayed and Fluid Coking	65	—	65	319	64	82	464
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.90	1.48	0.95	1.64	1.92	0.72	1.46
API Gravity, Weighted Average (degrees)	33.42	33.27	33.41	32.11	29.68	37.08	32.90
Operable Capacity (daily average)	1,179	98	1,278	2,575	510	872	3,957
Operating	1,147	98	1,246	2,553	510	872	3,935
Idle	32	—	32	22	—	—	22
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 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			
Crude Oil	19,614	128,431	101,117	6,561	3,271	258,994	18,783	65,019	486,561
Natural Gas Plant Liquids	575	4,917	3,689	74	198	9,453	628	3,380	17,703
Pentanes Plus	205	1,357	642	10	—	2,214	134	899	3,740
Liquefied Petroleum Gases	370	3,560	3,047	64	198	7,239	494	2,481	13,963
Normal Butane	196	1,592	1,519	8	12	3,327	283	1,665	7,169
Isobutane	174	1,968	1,528	56	186	3,912	211	816	6,794
Other Liquids	-8,109	-47,167	-31,821	-1,472	-1,214	-89,783	-4,488	-30,691	-189,703
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	254	2,097	2,105	156	109	4,721	541	1,467	8,650
Hydrogen	16	1,920	1,790	85	51	3,862	215	1,158	6,433
Oxygenates (excluding Fuel Ethanol)	—	62	—	—	—	62	—	—	62
Methyl Tertiary Butyl Ether (MTBE)	—	62	—	—	—	62	—	—	62
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	238	115	315	71	58	797	326	309	2,140
Fuel Ethanol	197	43	170	38	52	500	297	90	1,453
Renewable Diesel Fuel	41	71	145	33	6	296	29	215	682
Other Renewable Fuels	—	1	—	—	—	1	—	4	5
Other Hydrocarbons	—	—	—	—	—	—	—	—	15
Unfinished Oils (net)	502	716	7,153	27	-148	8,250	198	4,526	14,540
Naphthas and Lighter	285	-4,515	761	27	-164	-3,606	-21	-143	-2,257
Kerosene and Light Gas Oils	133	-2,049	1,509	19	4	-384	-13	345	-294
Heavy Gas Oils	-26	6,391	3,328	12	12	9,717	213	4,085	14,362
Residuum	110	889	1,555	-31	—	2,523	19	239	2,729
Motor Gasoline Blend Comp. (MGBBC)(net)	-8,868	-49,980	-41,081	-1,655	-1,175	-102,759	-5,227	-36,684	-212,898
Reformulated - RBOB	-1,360	-13,915	-2,958	—	-314	-18,547	—	-28,528	-66,653
Conventional	-7,508	-36,065	-38,123	-1,655	-861	-84,212	-5,227	-8,156	-146,245
CBOB	-7,045	-30,192	-35,647	-1,607	-801	-75,292	-4,853	-8,853	-136,880
GTAB	—	—	—	—	—	—	—	—	—
Other	-463	-5,873	-2,476	-48	-60	-8,920	-374	697	-9,365
Aviation Gasoline Blend. Comp. (net)	3	—	2	—	—	5	—	—	5
Total Input to Refineries	12,080	86,181	72,985	5,163	2,255	178,664	14,923	37,708	314,561
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	647	4,334	3,494	198	109	8,782	624	2,351	16,545
Operable Capacity (daily average)	704	4,838	3,707	243	128	9,620	696	2,924	18,474
Operable Utilization Rate (percent) ²	91.9	89.6	94.3	81.5	85.5	91.3	89.7	80.4	89.6
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	152	627	576	33	19	1,407	100	351	2,677
Catalytic Cracking	179	1,413	963	18	35	2,607	168	685	4,933
Catalytic Hydrocracking	45	409	414	21	—	888	26	427	1,655
Delayed and Fluid Coking	23	765	563	22	—	1,373	72	436	2,410
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.53	1.62	1.45	1.53	0.67	1.45	1.43	1.35	1.41
API Gravity, Weighted Average (degrees)	40.02	30.98	30.53	31.03	38.82	31.60	33.72	27.73	31.52
Operable Capacity (daily average)	704	4,838	3,707	243	128	9,620	696	2,924	18,474
Operating	704	4,838	3,707	243	128	9,620	683	2,455	17,938
Idle	—	—	—	—	—	—	13	469	536
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	15,855	15,855

— = 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."