

**Table 10.3 Fuel Ethanol Overview**

	Feed-stock <sup>a</sup>	Losses and Co-products <sup>b</sup>	Denaturant <sup>c</sup>	Production <sup>d</sup>			Trade <sup>d</sup>	Stocks <sup>d,f</sup>	Stock Change <sup>d,g</sup>	Consumption <sup>d</sup>			Consumption Minus Denaturant <sup>h</sup>
							Net Imports <sup>e</sup>						
							TBtu						
<b>1981 Total</b> .....	13	6	40	1,978	83	7	NA	NA	NA	1,978	83	7	7
<b>1985 Total</b> .....	93	42	294	14,693	617	52	NA	NA	NA	14,693	617	52	51
<b>1990 Total</b> .....	111	49	356	17,802	748	63	NA	NA	NA	17,802	748	63	62
<b>1995 Total</b> .....	198	86	647	32,325	1,358	115	387	2,186	-207	32,919	1,383	117	114
<b>2000 Total</b> .....	233	99	773	38,627	1,622	138	116	3,400	-624	39,367	1,653	140	137
<b>2001 Total</b> .....	253	108	841	42,028	1,765	150	315	4,298	898	41,445	1,741	148	144
<b>2002 Total</b> .....	307	130	1,019	50,956	2,140	182	306	6,200	1,902	49,360	2,073	176	171
<b>2003 Total</b> .....	400	168	1,335	66,772	2,804	238	292	5,978	-222	67,286	2,826	240	233
<b>2004 Total</b> .....	482	201	1,621	81,058	3,404	289	3,542	6,002	24	84,576	3,552	301	293
<b>2005 Total</b> .....	550	227	1,859	92,961	3,904	331	3,234	5,563	-439	96,634	4,059	344	335
<b>2006 Total</b> .....	683	280	2,326	116,294	4,884	414	17,408	8,760	3,197	130,505	5,481	465	453
<b>2007 Total</b> .....	907	368	3,105	155,263	6,521	553	10,457	10,535	1,775	163,945	6,886	584	569
<b>2008 Total</b> .....	1,286	518	4,433	221,637	9,309	790	12,610	14,226	3,691	230,556	9,683	821	800
<b>2009 Total</b> .....	1,503	602	5,688	260,424	10,938	928	4,720	16,594	2,368	262,776	11,037	936	910
<b>2010 Total</b> .....	1,823	726	6,506	316,617	13,298	1,127	-9,115	17,941	1,347	306,155	12,858	1,090	1,061
<b>2011 Total</b> .....	1,904	754	6,649	331,646	13,929	1,181	-24,365	18,238	297	306,984	12,893	1,093	1,065
<b>2012 Total</b> .....	1,801	709	6,264	314,714	13,218	1,120	-5,891	20,350	2,112	306,711	12,882	1,092	1,064
<b>2013 Total</b> .....	1,805	707	6,181	316,493	13,293	1,126	-5,761	16,424	-3,926	314,658	13,216	1,120	1,092
<b>2014 Total</b> .....	1,938	755	6,476	340,781	14,313	1,212	-18,371	18,739	2,315	320,095	13,444	1,139	1,111
<b>2015 Total</b> .....	1,998	774	6,636	352,553	14,807	1,254	-17,632	21,596	2,857	332,064	13,947	1,181	1,153
<b>2016 January</b> .....	172	66	617	30,452	1,279	108	-2,294	23,347	1,751	26,407	1,109	94	92
February .....	162	63	586	28,810	1,210	103	-2,024	23,171	-176	26,962	1,132	96	93
March .....	175	67	601	30,957	1,300	110	-2,612	22,730	-441	28,786	1,209	102	100
April .....	159	61	557	28,208	1,185	100	-2,919	21,336	-1,394	26,683	1,121	95	93
May .....	171	66	586	30,346	1,275	108	-1,627	20,962	-374	29,093	1,222	104	101
June .....	172	66	567	30,443	1,279	108	-1,045	21,284	322	29,076	1,221	103	101
July .....	178	68	570	31,469	1,322	112	-1,641	21,381	97	29,731	1,249	106	103
August .....	180	69	564	31,856	1,338	113	-1,924	21,198	-183	30,115	1,265	107	105
September .....	170	65	544	30,048	1,262	107	-2,315	20,713	-485	28,218	1,185	100	98
October .....	175	67	563	31,006	1,302	110	-2,946	20,113	-600	28,660	1,204	102	100
November .....	173	67	559	30,706	1,290	109	-3,074	19,463	-650	28,282	1,188	101	98
December .....	185	71	606	32,680	1,373	116	-2,583	19,758	295	29,802	1,252	106	104
<b>Total</b> .....	<b>2,072</b>	<b>798</b>	<b>6,920</b>	<b>366,981</b>	<b>15,413</b>	<b>1,306</b>	<b>-27,002</b>	<b>19,758</b>	<b>-1,838</b>	<b>341,817</b>	<b>14,356</b>	<b>1,216</b>	<b>1,187</b>
<b>2017 January</b> .....	183	70	593	32,577	1,368	116	-2,901	22,624	<sup>i</sup> 3,093	26,583	1,116	95	92
February .....	164	63	541	29,052	1,220	103	-3,349	23,015	391	25,312	1,063	90	88
March .....	181	69	597	32,161	1,351	114	-3,044	23,759	744	28,373	1,192	101	99
April .....	166	64	540	29,500	1,239	105	-1,981	23,593	-166	27,685	1,163	98	96
May .....	179	68	558	31,700	1,331	113	-2,809	22,909	-684	29,575	1,242	105	103
June .....	173	66	539	30,667	1,288	109	-1,958	21,763	-1,146	29,855	1,254	106	104
July .....	176	67	551	31,221	1,311	111	-2,512	21,147	-616	29,325	1,232	104	102
August .....	183	70	569	32,447	1,363	115	-2,199	21,197	50	30,198	1,268	107	105
September .....	172	66	531	30,581	1,284	109	-1,809	21,485	288	28,484	1,196	101	99
October .....	181	69	550	32,076	1,347	114	-2,162	21,574	89	29,825	1,253	106	104
November .....	183	70	520	32,469	1,364	115	-2,152	22,863	1,289	29,028	1,219	103	101
December .....	185	71	525	32,809	1,378	117	-4,130	23,048	185	28,494	1,197	101	99
<b>Total</b> .....	<b>2,126</b>	<b>814</b>	<b>6,614</b>	<b>377,260</b>	<b>15,845</b>	<b>1,342</b>	<b>-31,007</b>	<b>23,048</b>	<sup>i</sup> <b>3,517</b>	<b>342,736</b>	<b>14,395</b>	<b>1,219</b>	<b>1,192</b>
<b>2018 January</b> .....	182	69	504	32,428	1,362	115	-2,104	24,229	1,181	29,143	1,224	104	102

<sup>a</sup> Total corn and other biomass inputs to the production of undenatured ethanol used for fuel ethanol.

<sup>b</sup> Losses and co-products from the production of fuel ethanol. Does not include natural gas, electricity, and other non-biomass energy used in the production of fuel ethanol—these are included in the industrial sector consumption statistics for the appropriate energy source.

<sup>c</sup> The amount of denaturant in fuel ethanol produced.

<sup>d</sup> Includes denaturant.

<sup>e</sup> Through 2009, data are for fuel ethanol imports only; data for fuel ethanol exports are not available. Beginning in 2010, data are for fuel ethanol imports minus fuel ethanol (including industrial alcohol) exports.

<sup>f</sup> Stocks are at end of period.

<sup>g</sup> A negative value indicates a decrease in stocks and a positive value indicates an increase.

<sup>h</sup> Consumption of fuel ethanol minus denaturant. Data for fuel ethanol minus denaturant are used to develop data for "Renewable Energy/Biomass" in Tables 10.1–10.2b, as well as in Sections 1 and 2.

<sup>i</sup> Derived from the preliminary 2016 stocks value (19,531 thousand barrels), not the final 2016 value (19,758 thousand barrels) that is shown under "Stocks." NA=Not available.

Notes: • Mbbl = thousand barrels. MMgal = million U.S. gallons. TBtu = trillion Btu. • Fuel ethanol data in thousand barrels are converted to million gallons by multiplying by 0.042, and are converted to Btu by multiplying by the approximate heat content of fuel ethanol—see Table A3. • Through 1980, data are not available. For 1981–1992, data are estimates. For 1993–2008, only data for feedstock, losses and co-products, and denaturant are estimates. Beginning in 2009, only data for feedstock, and losses and co-products, are estimates. • See "Denaturant," "Ethanol," "Fuel Ethanol," and "Fuel Ethanol Minus Denaturant" in Glossary. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#renewable> (Excel and CSV files) for all available annual and monthly data beginning in 1981.

Sources: See end of section.