

Table 10.3 Fuel Ethanol Overview

	Feedstock ^a		Losses and Co-products ^b			Production			Net Imports ^c		Stocks ^d	Stock Change ^e		Consumption		
	TBtu	TBtu	TBtu	MMgal	TBtu	Mbbl	MMgal	TBtu	Mbbl	TBtu	Mbbl	Mbbl	TBtu	Mbbl	MMgal	TBtu
1981 Total	13	6	1,978	83	7	NA	NA	NA	NA	NA	NA	NA	NA	1,978	83	7
1985 Total	93	41	14,693	617	52	NA	NA	NA	NA	NA	NA	NA	NA	14,693	617	52
1990 Total	111	48	17,802	748	63	NA	NA	NA	NA	NA	NA	NA	NA	17,802	748	63
1995 Total	200	86	32,325	1,358	114	387	1	2,186	-207	-1	32,919	1,383	117			
1996 Total	143	61	23,178	973	82	313	1	2,065	-121	(s)	23,612	992	84			
1997 Total	190	81	30,674	1,288	109	85	(s)	2,925	860	3	29,899	1,256	106			
1998 Total	206	88	33,453	1,405	118	66	(s)	3,406	481	2	33,038	1,388	117			
1999 Total	215	92	34,881	1,465	123	87	(s)	4,024	618	2	34,350	1,443	122			
2000 Total	238	101	38,627	1,622	137	116	(s)	3,400	-624	-2	39,367	1,653	139			
2001 Total	259	110	42,028	1,765	149	315	1	4,298	898	3	41,445	1,741	147			
2002 Total	313	133	50,956	2,140	180	306	1	6,200	1,902	7	49,360	2,073	175			
2003 Total	410	174	66,772	2,804	236	292	1	5,978	-222	-1	67,286	2,826	238			
2004 Total	497	210	81,058	3,404	287	3,542	13	6,002	24	(s)	84,576	3,552	299			
2005 Total	570	241	92,961	3,904	329	3,234	11	5,563	-439	-2	96,634	4,059	342			
2006 January	55	23	8,935	375	32	132	(s)	6,099	536	2	8,531	358	30			
February	52	22	8,463	355	30	610	2	7,268	1,169	4	7,904	332	28			
March	57	24	9,333	392	33	894	3	8,626	1,358	5	8,869	372	31			
April	53	22	8,663	364	31	905	3	8,990	364	1	9,204	387	33			
May	56	23	9,086	382	32	682	2	7,767	-1,223	-4	10,991	462	39			
June	58	25	9,531	400	34	1,550	5	6,675	-1,092	-4	12,173	511	43			
July	60	25	9,791	411	35	2,637	9	7,706	1,031	4	11,397	479	40			
August	63	26	10,235	430	36	3,102	11	9,133	1,427	5	11,910	500	42			
September	62	26	10,088	424	36	2,268	8	9,725	592	2	11,764	494	42			
October	64	27	10,512	442	37	2,044	7	9,723	-2	(s)	12,558	527	44			
November	64	27	10,442	439	37	1,376	5	9,232	-491	-2	12,309	517	44			
December	69	29	11,215	471	40	1,208	4	8,760	-472	-2	12,895	542	46			
Total	712	301	116,294	4,884	412	17,408	62	8,760	3,197	11	130,505	5,481	462			
2007 January	70	28	11,621	488	41	1,077	4	8,656	-104	(s)	12,802	538	45			
February	65	26	10,795	453	38	1,010	4	8,765	109	(s)	11,696	491	41			
March	71	29	11,892	499	42	720	3	8,539	-226	-1	12,838	539	45			
April	70	29	11,716	492	41	733	3	8,807	268	1	12,181	512	43			
May	75	31	12,573	528	44	663	2	8,966	159	1	13,077	549	46			
June	75	31	12,553	527	44	922	3	9,171	205	1	13,270	557	47			
July	78	32	13,083	549	46	1,533	5	9,866	695	2	13,921	585	49			
August	81	33	13,581	570	48	1,586	6	11,011	1,145	4	14,022	589	50			
September	80	33	13,402	563	47	610	2	11,555	544	2	13,468	566	48			
October	85	35	14,221	597	50	998	4	11,449	-106	(s)	15,325	644	54			
November	87	36	14,568	612	52	393	1	11,218	-231	-1	15,192	638	54			
December	91	37	15,258	641	54	212	1	10,535	-683	-2	16,153	678	57			
Total	930	380	155,263	6,521	549	10,457	37	10,535	1,775	6	163,945	6,886	580			
2008 January	95	39	15,818	664	56	495	2	10,674	165	1	16,148	678	57			
February	90	37	15,025	631	53	483	2	10,465	-209	-1	15,717	660	56			
March	104	43	17,387	730	62	368	1	11,391	926	3	16,829	707	60			
April	101	41	16,868	708	60	1,451	5	11,539	148	1	18,171	763	64			
May	111	45	18,543	779	66	866	3	12,044	505	2	18,904	794	67			
June	105	43	17,544	737	62	1,571	6	12,304	260	1	18,855	792	67			
July	114	47	19,042	800	67	1,360	5	13,186	882	3	19,520	820	69			
7-Month Total	720	294	120,227	5,050	425	6,594	23	13,186	2,677	9	124,144	5,214	439			
2007 7-Month Total	504	206	84,233	3,538	298	6,658	24	9,866	1,106	4	89,785	3,771	318			
2006 7-Month Total	391	165	63,802	2,680	226	7,410	26	7,706	2,143	8	69,069	2,901	244			

^a Total corn and other biomass inputs to the production of fuel ethanol.

^b 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.

^c Fuel ethanol imports only. Data for fuel ethanol exports are not available.

^d Stocks are at end of period.

^e A negative number indicates a decrease in stocks and a positive number indicates an increase.

^f Derived from preliminary December 2007 stock value, not final December 2007 stock value shown in column 8.

NA=Not available. (s)=Less than 0.5 trillion Btu and greater than -0.5 trillion Btu.

Notes: • Mbbl = thousand barrels. MMgal = million U.S. gallons. TBtu = trillion Btu. • Through 1980, data are not available. For 1981-1992, data are estimates. Beginning in 1993, only data for feedstock and losses and co-products are estimates. • 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.doe.gov/emeu/mer/renew.html> for all available data beginning in 1981.

Sources: (Note: For production, net imports, stocks, stock change, and consumption, data in thousand barrels are converted to million gallons by multiplying by 0.042; and are converted to trillion Btu by multiplying by the approximate heat content of fuel ethanol—see Table A3.) • **Feedstock:** Calculated as fuel ethanol production in thousand barrels multiplied by the

approximate heat content of fuel ethanol feedstock—see Table A3. • **Losses and Co-products:** Calculated as fuel ethanol feedstock minus fuel ethanol production.

• **Production: 1981-1992**—Fuel ethanol production is equal to fuel ethanol consumption—see sources for "Consumption." **1993-2004**—Calculated as fuel ethanol consumption plus fuel ethanol stock change minus fuel ethanol net imports.

These data differ slightly from the original production data from Energy Information Administration (EIA), Form EIA-819, "Monthly Oxygenate Report," and predecessor form, which were not reconciled and updated to be consistent with the final balance. **2005 forward**—EIA, Form EIA-819, "Monthly Oxygenate Report."

• **Net Imports, Stocks, and Stock Change: 1992-2007**—EIA, *Petroleum Supply Annual (PSA)*, annual reports. **2008**—EIA, *Petroleum Supply Monthly (PSM)*, monthly reports. • **Consumption: 1981-1989**—EIA, *Estimates of U.S. Biofuels Consumption 1990*, Table 10; and EIA, Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF), estimates. **1990-1992**—EIA, *Estimates of U.S. Biomass Energy Consumption 1992*, Table D2; and EIA, CNEAF, estimates.

1993-2004—EIA, *PSA*, annual reports, Tables 2 and 16. Calculated as ten percent of oxygenated finished motor gasoline field production (Table 2), plus fuel ethanol refinery input (Table 16). **2005-2007**—EIA, *PSA*, annual reports, Tables 1 and 15. Calculated as motor gasoline blending components adjustments (Table 1), plus finished motor gasoline adjustments (Table 1), plus fuel ethanol refinery and blender net inputs (Table 15). **2008**—EIA, *PSM*, monthly reports, Tables 1 and 27. Calculated as motor gasoline blending components adjustments (Table 1), plus finished motor gasoline adjustments (Table 1), plus fuel ethanol refinery and blender net inputs (Table 27).