

**Table 10.3 Fuel Ethanol Overview**

	Feedstock <sup>a</sup>		Losses and Co-products <sup>b</sup>			Production			Net Imports <sup>c</sup>		Stocks <sup>d</sup>	Stock Change <sup>e</sup>			Consumption		
	TBtu	TBtu	TBtu	Mbbl	MMgal	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	Mbbl	TBtu	Mbbl	MMgal	TBtu	
<b>1981 Total</b> .....	<b>13</b>	<b>6</b>	<b>1,978</b>	<b>83</b>	<b>7</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>1,978</b>	<b>83</b>	<b>7</b>				
<b>1985 Total</b> .....	<b>93</b>	<b>41</b>	<b>14,693</b>	<b>617</b>	<b>52</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>14,693</b>	<b>617</b>	<b>52</b>				
<b>1990 Total</b> .....	<b>111</b>	<b>48</b>	<b>17,802</b>	<b>748</b>	<b>63</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>17,802</b>	<b>748</b>	<b>63</b>				
<b>1995 Total</b> .....	<b>200</b>	<b>86</b>	<b>32,325</b>	<b>1,358</b>	<b>114</b>	<b>387</b>	<b>1</b>	<b>2,186</b>	<b>-207</b>	<b>-1</b>	<b>32,919</b>	<b>1,383</b>	<b>117</b>				
<b>1996 Total</b> .....	<b>143</b>	<b>61</b>	<b>23,178</b>	<b>973</b>	<b>82</b>	<b>313</b>	<b>1</b>	<b>2,065</b>	<b>-121</b>	<b>(s)</b>	<b>23,612</b>	<b>992</b>	<b>84</b>				
<b>1997 Total</b> .....	<b>190</b>	<b>81</b>	<b>30,674</b>	<b>1,288</b>	<b>109</b>	<b>85</b>	<b>(s)</b>	<b>2,925</b>	<b>860</b>	<b>3</b>	<b>29,899</b>	<b>1,256</b>	<b>106</b>				
<b>1998 Total</b> .....	<b>206</b>	<b>88</b>	<b>33,453</b>	<b>1,405</b>	<b>118</b>	<b>66</b>	<b>(s)</b>	<b>3,406</b>	<b>481</b>	<b>2</b>	<b>33,038</b>	<b>1,388</b>	<b>117</b>				
<b>1999 Total</b> .....	<b>215</b>	<b>92</b>	<b>34,881</b>	<b>1,465</b>	<b>123</b>	<b>87</b>	<b>(s)</b>	<b>4,024</b>	<b>618</b>	<b>2</b>	<b>34,350</b>	<b>1,443</b>	<b>122</b>				
<b>2000 Total</b> .....	<b>238</b>	<b>101</b>	<b>38,627</b>	<b>1,622</b>	<b>137</b>	<b>116</b>	<b>(s)</b>	<b>3,400</b>	<b>-624</b>	<b>-2</b>	<b>39,367</b>	<b>1,653</b>	<b>139</b>				
<b>2001 Total</b> .....	<b>259</b>	<b>110</b>	<b>42,028</b>	<b>1,765</b>	<b>149</b>	<b>315</b>	<b>1</b>	<b>4,298</b>	<b>898</b>	<b>3</b>	<b>41,445</b>	<b>1,741</b>	<b>147</b>				
<b>2002 Total</b> .....	<b>313</b>	<b>133</b>	<b>50,956</b>	<b>2,140</b>	<b>180</b>	<b>306</b>	<b>1</b>	<b>6,200</b>	<b>1,902</b>	<b>7</b>	<b>49,360</b>	<b>2,073</b>	<b>175</b>				
<b>2003 Total</b> .....	<b>410</b>	<b>174</b>	<b>66,772</b>	<b>2,804</b>	<b>236</b>	<b>292</b>	<b>1</b>	<b>5,978</b>	<b>-222</b>	<b>-1</b>	<b>67,286</b>	<b>2,826</b>	<b>238</b>				
<b>2004 Total</b> .....	<b>497</b>	<b>210</b>	<b>81,058</b>	<b>3,404</b>	<b>287</b>	<b>3,542</b>	<b>13</b>	<b>6,002</b>	<b>24</b>	<b>(s)</b>	<b>84,576</b>	<b>3,552</b>	<b>299</b>				
<b>2005 Total</b> .....	<b>570</b>	<b>241</b>	<b>92,961</b>	<b>3,904</b>	<b>329</b>	<b>3,234</b>	<b>11</b>	<b>5,563</b>	<b>-439</b>	<b>-2</b>	<b>96,634</b>	<b>4,059</b>	<b>342</b>				
<b>2006 January</b> .....	<b>55</b>	<b>23</b>	<b>8,935</b>	<b>375</b>	<b>32</b>	<b>132</b>	<b>(s)</b>	<b>6,099</b>	<b>536</b>	<b>2</b>	<b>8,531</b>	<b>358</b>	<b>30</b>				
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	<b>(s)</b>	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				
<b>Total</b> .....	<b>712</b>	<b>301</b>	<b>116,294</b>	<b>4,884</b>	<b>412</b>	<b>17,408</b>	<b>62</b>	<b>8,760</b>	<b>3,197</b>	<b>11</b>	<b>130,505</b>	<b>5,481</b>	<b>462</b>				
<b>2007 January</b> .....	<b>70</b>	<b>28</b>	<b>11,621</b>	<b>488</b>	<b>41</b>	<b>1,077</b>	<b>4</b>	<b>8,656</b>	<b>-104</b>	<b>(s)</b>	<b>12,802</b>	<b>538</b>	<b>45</b>				
February .....	65	26	10,795	453	38	1,010	4	8,765	109	<b>(s)</b>	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	<b>(s)</b>	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				
<b>Total</b> .....	<b>930</b>	<b>380</b>	<b>155,263</b>	<b>6,521</b>	<b>549</b>	<b>10,457</b>	<b>37</b>	<b>10,535</b>	<b>1,775</b>	<b>6</b>	<b>163,945</b>	<b>6,886</b>	<b>580</b>				
<b>2008 January</b> .....	<b>95</b>	<b>39</b>	<b>15,818</b>	<b>664</b>	<b>56</b>	<b>495</b>	<b>2</b>	<b>10,674</b>	<b>165</b>	<b>1</b>	<b>16,148</b>	<b>678</b>	<b>57</b>				
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				
<b>6-Month Total</b> .....	<b>606</b>	<b>248</b>	<b>101,185</b>	<b>4,250</b>	<b>358</b>	<b>5,234</b>	<b>19</b>	<b>12,304</b>	<b>1,795</b>	<b>6</b>	<b>104,624</b>	<b>4,394</b>	<b>370</b>				
<b>2007 6-Month Total</b> .....	<b>426</b>	<b>174</b>	<b>71,150</b>	<b>2,988</b>	<b>252</b>	<b>5,125</b>	<b>18</b>	<b>9,171</b>	<b>411</b>	<b>1</b>	<b>75,864</b>	<b>3,186</b>	<b>268</b>				
<b>2006 6-Month Total</b> .....	<b>331</b>	<b>140</b>	<b>54,011</b>	<b>2,268</b>	<b>191</b>	<b>4,773</b>	<b>17</b>	<b>6,675</b>	<b>1,112</b>	<b>4</b>	<b>57,672</b>	<b>2,422</b>	<b>204</b>				

<sup>a</sup> Total corn and other biomass inputs to the production of 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> Fuel ethanol imports only. Data for fuel ethanol exports are not available.

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

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

<sup>f</sup> 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).