Table 1.6 Biofuels overview, 2005 - 2009

(trillion Btu)

Type	2005	2006	2007	2008	2009
Ethanol					
Feedstock[1]	552	688	914	1,300	1,517
Losses and Coproducts[2]	230	285	376	531	616
Denaturant	9	11	14	21	26
Production[3]	331	414	553	790	928
Net Imports[4]	12	62	37	45	17
Stock Change[5]	-2	11	6	13	8
Consumption	344	465	584	821	936
Consumption minus Denaturant	335	453	569	800	910
Biodiesel					
Feedstock[6]	12	32	63	88	65
Losses and Coproducts[7]	*	*	1	1	1
Production[8]	12	32	62	87	65
Net Imports	*	1	-17	-46	-24
Stock Change	-	-	-	-	4
Balancing Item	-	-	-	-	4
Consumption	12	33	46	40	40

[1]Total corn and other biomass inputs to the production of undenatured ethanol used for fuel ethanol.

[2]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.

[3]Fuel ethanol production. Includes denaturant.

[4]Fuel ethanol imports. There are no exports.

[5]Fuel ethanol stock change. A negative number indicates a decrease in stocks and a positive number indicates an increase.

[6]Total soy bean oil and other biomass inputs to the production of biodiesel.

[7]Losses and co-products from the production of biodiesel. Does not include natural gas, electricity, and other non-biomass energy used in the production of biodiesel.

[8]Production of biofuels for use as diesel fuel substitutes or additives. Biodiesel consumption equals biodiesel production.

* = Less than 0.5 trillion Btu.

- = No data reported.

Note: Totals may not equal sum of components due to independent rounding.

Sources: (Note: For ethanol and biodiesel heat contents, see Table 1.10. For feedstock factors, see U.S. Energy Information Administration (EIA) Annual Energy Review 2009, Table A3.) Ethanol Feedstock: Calculated as fuel ethanol production multiplied by the feedstock factor for fuel ethanol. Ethanol Losses and Co-products: Calculated as ethanol feedstock plus denaturant minus fuel ethanol production. Denaturant: 2005-2008: Estimated as 2 percent of fuel ethanol production. 2009: EIA, Petroleum Supply Annual, Table 1. Ethanol Production: 2005-2008: U.S. Energy Information Administration (EIA), Form EIA-819, "Monthly Oxygenate Report." 2009: EIA, Petroleum Supply Annual, Table 1 data for net production of fuel ethanol at renewable fuels and oxygenate plants. Ethanol Net Imports, Stocks and Stock Change: 2005-2009: EIA, Petroleum Supply Annual (PSA), annual reports, Table 1. Ethanol Consumption: 2005-2008: EIA, Petroleum Supply Annual 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 blender net inputs (Table 15). 2009: EIA, Petroleum Supply Annual, Table1. Calculated as fuel ethanol refinery and blender net inputs minus fuel ethanol adjustments. Biodiesel Feedstock: Calculated as biodiesel production multiplied by the biodiesel feedstock factor. Biodiesel Losses and Co-products: Calculated as biodiesel feedstock minus biodiesel production. Biodiesel Production: 2005: U.S. Department of Agriculture, Commodity Credit Corporation, Bioenergy Program records, 2006: U.S. Department of Commerce, Bureau of Census, Current Industrial Reports, Fats and Oils - Production, Consumption and Stocks, data for soy bean oil consumed in methyl esters, 2007: U.S. Department of Commerce, Bureau of Census, "M311K-Fats and Oils: Production, Consumption, and Stocks, data for all fats and oils consumed in methyl esters, 2008 and 2009: EIA, Monthly Biodiesel Production Report, December 2009, and analysis conducted by the EIA, Office of Electricity, Coal, Nuclear, and Renewables Analysis. Balancing Item: Calculated as biodiesel consumption and biodiesel stock change minus biodiesel production and biodiesel net imports. Consumption: 2001-2008: Calculated biodiesel production plus biodiesel net imports, January and February 2009: EIA, Petroleum Supply Annual, Table 1, data for refinery and blender net inputs of renewable fuels except fuel ethanol, March 2009 and forward: Calculated as biodiesel production plus biodiesel net imports minus biodiesel stock change.