

The ethanol industry spent \$16 billion in 2009 on raw materials, other inputs, goods and services to produce more than nine billion gallons of ethanol. Most of this spending was for corn and other grains used as raw material to make ethanol. An additional \$1.7 billion was spent on transportation of grain and other inputs to production facilities; ethanol from the plant to terminals where it is blended with gasoline; and co-products to end-users. All expenditures for operations, transportation and spending for new plants under construction added an estimated \$53.3 billion in additional gross output in the U.S. economy, increased household earnings by nearly \$16 billion, and created over 399,283 jobs.

Section: BIOFUELS
Economic Contribution of the Ethanol Industry, 2009

	Expenditures (Mil 2009\$)	Impact		
		GDP (Mil 2009\$)	Earnings (Mil 2009\$)	Employment (Jobs)
Annual Operations				
Feedstock (Corn)	\$10,041.0	\$13,507.0	\$5,353.0	180,111
Enzymes and chemicals	\$1,052.0	\$1,477.0	\$755.0	14,564
Denaturants	\$443.0	\$450.0	\$241.0	4,220
Electricity	\$398.0	\$571.0	\$239.0	4,358
Natural gas	\$1,144.0	\$1,623.0	\$751.0	13,413
Water	\$130.0	\$200.0	\$93.0	1,959
Maintenance	\$276.0	\$482.0	\$262.0	6,809
Wholesale Trade	\$2,127.0	\$3,440.0	\$1,736.0	36,677
Management and Administration	\$212.0	\$380.0	\$214.0	4,573
Earnings to households	\$218.0	\$291.0	\$145.0	3,786
Transportation	\$1,654.0	\$2,650.0	\$1,389.0	31,247
Value of Ethanol Production	\$0.0	\$17,490.0	\$218.0	0
Value of co-products	\$0.0	\$2,761.0	\$0.0	0
Total Annual Operations	\$17,695.0	\$45,323.0	\$11,397.0	301,718
New Capacity				
Construction (labor and other)	\$1,215.5	\$2,169.0	\$1,287.0	31,828
Equipment and machinery	\$1,423.4	\$2,176.0	\$1,133.0	24,895
Total	\$2,639.0	\$4,345.0	\$2,420.0	56,724
R&D Spending on new technology	\$2,000.0	\$3,651.0	\$2,162.0	40,842
Grand Total	\$22,334.0	\$53,319.0	\$15,978.0	399,283

Source:

Urbanchuk, John M., *Contribution of the Ethanol Industry to the Economy of the United States*,
 Prepared for The Renewable Fuels Association, February 12, 2010,
http://www.ethanol.org/pdf/contentmgmt/2009_ethanol_economic_contribution.pdf