

Valero Renewable Fuels Company, LLC ethanol plant, Albert City, Iowa CA-GREET Model

The applicant has conducted its analysis of direct effects on carbon intensity for this pathway using CA-GREET, v.1.8b (Dec. 2009) (See http://www.arb.ca.gov/fuels/lcfs/ca_greet1.8b_dec09.xls). The standard inputs and parameters specified in CA-GREET remain unchanged except as noted in the input table below. The input tables below specifies the spreadsheet location of the CA-GREET inputs and other parameters that were claimed as confidential business information or trade secret by the applicant, but it does not disclose the actual value of such inputs and parameters because they are claimed to be confidential business information or trade secret.

Valero Renewable Fuels Company, LLC ethanol plant located near Albert City, Iowa (plant referred to herein as “Albert City”), input data tables for the two pathways (Locations of cells containing Confidential Business Information are shown, but the actual values of such confidential information are not disclosed):

PUBLIC Information

Table 2: CA-GREET Model Inputs for the Albert City Corn Ethanol DDGS Co-Product Pathway

CA-GREET Model Sheet Name	Cell number	Default Pathway Value	Valero Albert City 100% DDGS Pathway Value	Units	Description	Comments and Table Reference
Regional LT	C2	U.S. Avg and Midwest	Business Confidential	n/a	Region for Analysis	No change. Shown for reference only
Fuel_Prod_TS	L277	36,000	Business Confidential	btu/gal (LHV)	Com Ethanol Plant Energy Use, Dry Mill	Table 7, Total Energy use
Inputs	C247	10.19%	Business Confidential	%	Electricity % of total process energy	Table 7
Fuel_Prod_TS	D277	2.72	Business Confidential	gal/bu	Ethanol yield of Corn Ethanol Plant, Dry Mill	Table 7

Table 3: CA-GREET Model Inputs for the Albert City Corn Ethanol MDGS Co-Product Pathway

CA-GREET Model Sheet Name	Cell number	Default Pathway Value	Valero Albert City 100% MDGS Pathway Value	Units	Description	Comments
Regional LT	C2	U.S. Avg and Midwest	Business Confidential	n/a	Region for Analysis	No change. Shown for reference only
Fuel_Prod_TS	L277	36,000	Business Confidential	btu/gal (LHV)	Com Ethanol Plant Energy Use, Dry Mill	Table 8, Total Energy use
Inputs	C247	10.19%	Business Confidential	%	Electricity % of total process energy	Table8
Fuel_Prod_TS	D277	2.72	Business Confidential	gal/bu	Ethanol yield of Corn Ethanol Plant, Dry Mill	Table8