

LAICA, Costa Rica—Dehydration of Hydrous Sugarcane Ethanol from Brazil CA-GREET Model

The applicant estimated the carbon intensity of the LAICA pathway using CA-GREET, v.1.8b (Dec. 2009) (See http://www.arb.ca.gov/fuels/lcfs/ca_greet1.8b_dec09.xls). Because the LAICA CA-GREET spreadsheet contains data the applicant has designated as confidential business information, that spreadsheet has not been posted.

The standard CA-GREET spreadsheet was expanded slightly to accommodate the LAICA pathway. The input values used in the LAICA model are provided in Table 1, below. The right-most column in Table 1 identifies inputs that were written to cell ranges created specifically for the LAICA pathway (and which therefore do not exist in the standard CA-GREET 1.8b spreadsheet). The Table also identifies, but does not report the values of, all CA-GREET inputs that were designated as confidential business information by the applicant.

Table 1: LAICA CA-GREET Input Values

WORKSHEET	CELL REFERENCE	INPUT	UNITS	LAICA VALUE	NON-STANDARD CELLS EXIST?
Regional LT	C2	Region for analysis		U. S. Average	
Fuel_Prod_TS	H291	Ethanol feedstock	%	0%	
Fuel_Prod_TS	CU271	Total Energy	Confidential Business Information		NO
Inputs	E247	Electricity	Confidential Business Information		NO
Inputs	E246	Residual oil	Confidential Business Information		NO
Fuel_Prod_TS	CZ263 (CY257)	Proportion straw burnt	%	0%	
EtOH	CY148	Share of residual oil	Confidential Business Information		NO
T&D Flowcharts	M1420	Ocean Tanker Transport	miles	8,753	
T&D Flowcharts	R1427	Fuel Transportation in US	miles	100	
T&D Flowcharts	W1421	Fuel Distribution in US	miles	50	