Indonesian Sugar Group - Molasses Ethanol 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 table 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.

Indonesian Sugar Group Molasses Ethanol Input data values are for 100% sugarcane ethanol. From the analysis, the molasses are allocated to produce ethanol. The allocation method is explained in the main report.

GREET Input Data

Process	Value	Cells Location	Note
Sugarcane Farming energy	Business Confidential	BZ144 – EtOH tab	
Ag Chemicals usage	Business Confidential		
Sugarcane transport	100 miles	F1377– T&D Flowcharts tab	By HDDT to the ethanol plant
Ethanol Production energy	Business Confidential		
Ethanol Transport	200 miles	F1426– T&D Flowcharts tab	By HDDT to the port
	9,500 miles	M1420 – T&D Flowcharts tab	By Ocean Tankers to Long Beach, California port
	100 miles	R 1427 – T&D Flowcharts tab	By HDDT to the bulk terminals
	50 miles	W 1421 – T&D Flowcharts tab	By HDDT truck to the refueling stations
Bagasse – Fuel Yield	Business Confidential	CJ164 – Ethanol	
Sugar Factory Energy Use	Business Confidential		