Copersucar, S.A. – Usina Sao Jose da Estiva S.A. - Acucar e Alcool Molasses Ethanol Pathway
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.

The Input data table (Locations of cells containing Confidential Business Information are shown, but the actual values of such confidential information are not disclosed):

CA GREET Model Input Changes to 1.8b Model						
Sheet Name	**Cell number**	**Default Value**	**Mill Pathway Value**	**Units**	**Description**	**Comments**
Fuel_Prod_TS	H291	100%	**Confidential Business Information**	%	Share of Corn Ethanol to Total Ethanol Production	By setting this to zero, Cane ethanol was calculated to be 100% in the model (Inputs H185)
Fuel_Prod_TS	CZ263	80%	**Confidential Business Information**	%	Percentage of Straw Burnt in Field	
Inputs	D307	zero or -0.96	**Confidential Business Information**	kwh/gal	Power exported attributed to ethanol	
T&D_Flowcharts	F1417	50%	**Confidential Business Information**	%	Percentage of ethanol shipped from mill to port by pipeline	No pipeline transport from mill to port
T&D_Flowcharts	F1418	500	**Confidential Business Information**	miles	Pipeline distance	No pipeline transport from mill to port
T&D_Flowcharts	F1421	50%	**Confidential Business Information**	%	Percentage of ethanol shipped from mill to port by rail	No rail transport from mill to port
T&D_Flowcharts	F1422	500	**Confidential Business Information**	miles	Rail distance	No rail transport from mill to port
T&D_Flowcharts	R1427	100	**Confidential Business Information**	miles	Trucking distance	Trucking distance from mill to Santos plus the default trucking distance from the CA. port to the bulk ethanol distribution terminal.
T&D_Flowcharts	M1420	7,416	**Confidential Business Information**	miles	Ocean transport distance	Average of the distance from Port of Santos to Los Angeles and San Francisco area ports