

# ADM Agri-Industries Company 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](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.

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

Parameters	Cell Locations	Original GREET values	Company values	Note
Electric Power	C83-Regional LT	2.7%	0.05%	Alberta Marginal Power
	C84-Regional LT	18.9%	94.85%	
	C85-Regional LT	50.7%	0.00%	
	C86-Regional LT	18.7%	0.00%	
	C87-Regional LT	1.3%	2.77%	
	C88-Regional LT	7.7%	2.33%	
Biodiesel Transportation (100% Rail Pathway)	AC 1388-T&D Flowchart	1200	0	Canola Oil Transport
	AC 1388-T&D Flowchart	800	2500	Canola Biodiesel Transport by Rail
Biodiesel Transportation (Rail and Vessel Pathway)	F1394-T&D Flowchart	1200	925	Canola Biodiesel Transport by Rail
	F1385-T&D Flowchart	0	100	Fraction by Barge
	F1386-T&D Flowchart	520	1265	Distance by Barge/vessel
Vessel	V5-T&D tab	0	15,000	Convert the barge option to ocean vessel in GREET
	T12-T&D tab	0	=9070+0.101*V5	
	GC108-T&D tab	= $\$C\$49*\$T\$13*\$C\$48/\$V\$6/\$C\$46$	= $\$B\$49*\$T\$12*\$B\$48/\$V\$5/\$B\$46$	
	GC109-T&D tab	= $\$C\$52*\$T\$13*\$C\$51/\$V\$6/\$C\$46$	= $\$B\$52*\$T\$12*\$B\$51/\$V\$5/\$B\$46$	