ADM
CA-GREET Model
April, 09 2013

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 secrets.

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

CA-GREET Worksheet	Cell Reference	Input	Units	CA-GREET Value	ADM Pathway 1 Value
Inputs	B4	Target Year of Simulation		2010	2010
Fuel_Prod_TS	C271	EtOH Yield of Corn Dry Mill EtOH Plant	gal/bushel	2.72	[redacted]
Inputs	C244, D244	Share of corn ethanol plant types	%	85% dry mill, 15% wet mill	100% dry mill, 0% wet mill
Fuel_Prod_TS	K271	Total ethanol energy use (undenatured)	BTU/gal	36,000	[redacted]
Inputs	C247	Electricity share of process fuel	%	10.2%	0%

CA-GREET Worksheet	Cell Reference	Input	Units	CA-GREET Value	ADM Pathway 1 Value
Fuel_Prod_TS	S271	Share of Coal in total process fuels	%	20%	Base: 70.57%
Inputs	C255	Share of NG as Process Fuel	%	100%	29.43%
Inputs	C256	Share of Coal as Process Fuel	%	0%	Base: 70.57%
EtOH	C101	DGS Yield	bone-dry lb. per gallon EtOH	5.34	[redacted]
Regional LT	H192	Midwest – Coal LHV	BTU/short-ton	19,546,300	[redacted]
Regional LT	H193	Midwest – Coal HHV	BTU/short-ton	20,608,570	[redacted]
Regional LT	H194	Midwest – Coal Carbon Content	% wt	63.7%	[redacted]
Regional LT	H195	Midwest – S ratio	ppm by wt	11,100	[redacted]