

Methes Energies Canada Inc. 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.

Methes Energies Canada Inc. 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
Residual oil	C83 - Regional LT		0.00%	UCO Pathway
Natural gas	C84 - Regional LT		95.40%	UCO Pathway
Coal	C85 - Regional LT		0.00%	UCO Pathway
Nuclear	C86 - Regional LT		0.00%	UCO Pathway
Biomass	C87 - Regional LT		0.30%	UCO Pathway
Other (renewables)	C88 - Regional LT		4.30%	UCO Pathway
Feedstock Transport Truck	IH93 - T&D		10 miles	UCO Pathway
Feedstock Transport Rail	II93 - T&D		400 miles	UCO Pathway
Feedstock Transport Rail	II111 - T&D		172468.37	UCO Pathway
Feedstock Transport Rail	II112 - T&D		172392.51	UCO Pathway
Feedstock Transport Rail	II113 - T&D		2098.4429	UCO Pathway
Feedstock Transport Rail	II114 - T&D		11253.74	UCO Pathway
Feedstock Transport Rail	II115 - T&D		159040.33	UCO Pathway

Feedstock Transport Rail	II117 - T&D		10.058354	UCO Pathway
Feedstock Transport Rail	II118 - T&D		34.291126	UCO Pathway
Feedstock Transport Rail	II119 - T&D		269.96383	UCO Pathway
Feedstock Transport Rail	II120 - T&D		6.7937818	UCO Pathway
Feedstock Transport Rail	II121 - T&D		5.7629801	UCO Pathway
Feedstock Transport Rail	II122 - T&D		1.8872838	UCO Pathway
Feedstock Transport Rail	II123 - T&D		15.199053	UCO Pathway
Feedstock Transport Rail	II124 - T&D		0.3196641	UCO Pathway
Feedstock Transport Rail	II125 - T&D		13389.881	UCO Pathway
Biodiesel Transport Truck	GB93 - T&D		60 miles	UCO Pathway
Biodiesel Transport Rail	GE93 - T&D		2353 miles	UCO Pathway
Residual oil	C83 - Regional LT		0.00%	Corn Oil Pathway
Natural gas	C84 - Regional LT		95.40%	Corn Oil Pathway
Coal	C85 - Regional LT		0.00%	Corn Oil Pathway
Nuclear	C86 - Regional LT		0.00%	Corn Oil Pathway
Biomass	C87 - Regional LT		0.30%	Corn Oil Pathway
Other (renewables)	C88 - Regional LT		4.30%	Corn Oil Pathway
Feedstock Transport Truck	IH93 - T&D		400 miles	Corn Oil Pathway
Biodiesel Transport Rail	GE93 - T&D		2353 miles	Corn Oil Pathway