Johnstown Regional Energy
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.

Johnstown Regional Energy's Input data:

Parameters	GREET model		Original GREET values	Company values	Note
	Tab	Cell			
Region for Analysis	Regional LT	C2	U.S. Average	CA Marginal	

JRE also made changes to few mathematical formulas in the GREET model.

Parameters	GREET model		Original GREET formula	Modified formula	Note
	Tab	Cell			
LNG Storage Fugitive Emissions	NG	AH108	=(Inputs!E171*Inputs!E174/(1-Inputs!E171*Inputs!E174)+Inputs!**G**171*Inputs!**G**174/(1-Inputs!**G**171*Inputs!**G**174))*1000000/Fuel_Specs!$B$26*Fuel_Specs!$E$26	=(Inputs!E171*Inputs!E174/(1-Inputs!E171*Inputs!E174)+Inputs!**F**171*Inputs!**F**174/(1-Inputs!**F**171*Inputs!**F**174))*1000000/Fuel_Specs!$B$26*Fuel_Specs!$E$26	The formula was modified so that it refers to the appropriate LNG Storage parameters in column F.
LNG Storage Fugitive Emissions	NG	AH110	=(Inputs!$E$171*Inputs!$E$174/(1-Inputs!$E$171*Inputs!$E$174)*(1-Inputs!$E$179)+Inputs!$G$171*Inputs!$G$174/(1-Inputs!$G$171*Inputs!$G$174)*(1-Inputs!$G$179))*1000000/Fuel_Specs!$B$26*Fuel_Specs!$E$26	=(Inputs!$E$171*Inputs!$E$174/(1-Inputs!$E$171*Inputs!$E$174)*(1-Inputs!$E$179)+Inputs!$F$171*Inputs!$F$174/(1-Inputs!$F$171*Inputs!$F$174)*(1-Inputs!$F$179))*1000000/Fuel_Specs!$B$26*Fuel_Specs!$E$26	The formula was modified so that it refers to the appropriate LNG Storage parameters in column F.