

San Diego Metropolitan Transit System 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.

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

Parameter	Unit	Value	CA-GREET Cell Changed
LFG Recovery and Transport			
Thermal	Btu/MMBtu	Confidential	CA-GREET Default (L85)
Electricity	Btu/MMBtu	Confidential	CA-GREET Default ¹ (L91)
Total Energy	Btu/MMBtu	Confidential	N/A
LFG Plant			NG Tab
LFG Processing Efficiency	%	Confidential	A166 (via C182)
Electricity Fuel Share	%	Confidential	A179 (via C184)
LFG Fuel Share	%	Confidential	A175 (via C183)
Propane Fuel Share	%	Confidential	A172 (via C185)
Electricity	kWh/MMBtu	Confidential	N/A
Electricity	Btu/MMBtu	Confidential	Calculated in CA-GREET (A191)
Propane	Btu/MMBtu	Confidential	Calculated in CA-GREET (A182)

¹ http://www.arb.ca.gov/fuels/lcfs/022709lcfs_lfg.pdf, pages 9-10.

LFG	Btu/MMBtu	Confidential	Calculated in CA-GREET (AI87)
Credit for Not Flaring	Btu/MMBtu	Confidential	Calculated in CA-GREET (AJ88)
Total Energy	Btu/MMBtu	Confidential	N/A
Electricity Grid Mix			Regional LT Tab
Residual oil	%	Confidential	J83
Natural gas	%	Confidential	J84
Coal	%	Confidential	J85
Nuclear	%	Confidential	J86
Biomass	%	Confidential	J87
Other (renewables)	%	Confidential	J88
Natural Gas Transport			T&D Flowcharts Tab (via NG Tab)
Pipeline Distance	mi	Confidential	F479 (via E148)
Compression			NG Tab
Electricity	kWh/GGE	Confidential	N/A
Compression Efficiency	%	Confidential	AA66
Electricity Fuel Share	%	Confidential	AA79
Natural Gas Fuel Share	%	Confidential	AA75
Electricity	Btu/MMBtu	Confidential	Calculated in CA-GREET (AA91)