List of Site-Specific Inputs

Chevron RNG Holdings LLC (C1197)
Chevron Sobek RNG LLC - JM Larson (F00677)

Simplified CI Calculator for Biomethane from Anaerobic Digestion of Dairy and Swine Manure

The applicant has conducted its analysis of carbon intensity for this pathway using a modified version of the Tier 1 Simplified CI Calculator for Biomethane from Anaerobic Digestion of Dairy and Swine Manure (DSM Calculator).

The standard inputs and parameters specified in CA-GREET3.0 remain unchanged. The table below specifies the specific calculator modifications approved by CARB for this application. All calculator modifications must be pre-approved by CARB and highlighted in the calculator, including those identified and implemented during the third-party validation and annual reporting/verification.

Operational data that can be populated as a user-defined input in the yellow cells of the DSM calculator does not constitute a calculator modification. Additional information regarding this project's user-defined inputs for life cycle assessment of GHG emissions can be found in LCA Report.

Calculator Modifications			
Parameter	**Original Value**	**Modification**	**Cell**
EF Table tab			
Fugitive Methane from Upgrading	=2%	=MAX(IFERROR(1-(('Biogas-to-RNG'!V55+'Biogas-to-RNG'!W55+'Biogas-to-RNG'!U55)/('Biogas-to-RNG'!F55)),0),0.02)	E86
Avoided Emissions tab			
Section P2. Net Methane Emissions Avoided (Calculation)	*=C37-C32*COUNTIF('Manure-to-Biogas (LOP Inputs)'!B52:B75, ">0")*	=IF(C37-C32*COUNTIF('Manure-to-Biogas (LOP Inputs)'!B52:B75, ">0")<(C40*-1),(C40*-1),(C37-C32*COUNTIF('Manure-to-Biogas (LOP Inputs)'!B52:B75, ">0")))	C38
Section P3. Avoided CO2	*=-(C40-C32*COUNTIF('Manure-to-Biogas (LOP*	=IF((-C38=C40),0,-(C40-C32*COUNTIF('Manure-to-Biogas (LOP	G37

diverted from land application	*Inputs)'!B52:B75, ">0"))*(44/16)*	Inputs)'!B52:B75, ">0"))*(44/16))	
Biogas-to-RNG tab			
Section 2.5. Biomethane Content	*=IFERROR(AVERAGE(D28:D51),0)*	=IFERROR(SUMPRODUCT(D28:D51,C28:C51) /C52,0)	D52
Section 2.7. Biomethane Content	*=IFERROR(AVERAGE(F28:F51),0)*	=IFERROR(SUMPRODUCT(F28:F51,E28:E51) /E52,0)	F52
Section 2.22 Biomethane Content (%Methane in Flared Gas)	=IFERROR(AVERAGE(U28:U51),0)	=IFERROR(SUMPRODUCT(U28:U51,T28:T51) /T52,0)	U52
Section 2.14	2.14 Diesel (digester project manure transport and handling)	2.14 Propane Use	M26
Section 2.14	Empty	=M52*Reference!$D$12/Reference!$H$48	M54
Section 2.14	Empty	=M52*Reference!$C$12/Reference!$H$48	M55
Section 2.14	12765.87	7,422.33	M57
Section 4	Net-Diesel	Propane	D64
Section 4	=N55*N57	=M52*M57	E64
Added Tabs			
Temperature	*Including monthly temperatures and the references*		