

SUNNYSIDE FARMS NEW – DATABASE NOTES

Table 1 Database Notes

Data Collection	Meter: Data Logger: Data Collection Interval: Collection Method:	Carbon Catcher System Martin Energy Group Carbon Catcher (Red Lion) 10-minute
Project Information	Nameplate Capacity:	630 kW
DER Electricity Generated (WG)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh Gross Accumulated kWh from power meter.
Biogas to Generator (FGE)	Engineering Units: Measurement type:	cf Calculated from accumulated cf data from gas meter.
Biogas to Flare (FGF)	Engineering Units: Measurement type:	cf Calculated from accumulated cf data

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Table 2 Event Timeline

Date	Event
May 3, 2022	Monitored data collection began
September 26, 2022	Data added to the NYSERDA DER Website
October 19, 2023	Monitored data collection ends. The site switched to RNG only. The generators were turned off permanently

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Range Checks

Table 3 Range Checks

Data Point	Units	Database Lower Range	Database Upper Range	Notes
DER Electricity Generated	kWh/hour	0	800	
Biogas to Generator	cfh	0	25000	
Biogas to Flare	cfh	0	17500	
Ambient Temperature	°F	-20	130	NOAA Airport Code - KSYR

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Relational Checks

Table 4 Relational Checks

Evaluated Point(s)	Criteria	Result
Electricity Generated Fuel Consumed	Daily Electric Efficiency < 0% HHV and > 100% HHV	Electricity Generated = invalid Fuel Consumed = invalid Heat Used = invalid Heat Rejected = invalid