Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Obvius Aquisuite A8812 1 – Minute Obvius Upload Manager to CDH servers	
Site Information	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	Guascor MGG-500 Engine / Stamford HJM636J 480VAC Generator 406 kW (de-rated from 484 kW) Hot Water Digester heating, and space heating Rejected to atmosphere by dump radiator	
DER Electricity Generated (WG)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh Gross Accumulated kWh/int from pulse output, from Wattnode power meter.	
Biogas to Generator (FGE)	Engineering Units: Measurement type:	cf Calculated from cfm output from Sage gas meter.	
Biogas to Flare (FGF)	Engineering Units: Measurement type:	cf Calculated from pulse output from RCM panel (repeated signal from Sage meter).	

Table 2 Event Timeline

Date	Event	
February 18, 2014	CDH on site to verify power and gas readings and work out IT issues. Data collection begins.	
March 9, 2020	Relational checks added.	

Range Checks

Table 3 Range Checks

Data Point	Units	Database Lower Range	Database Upper Range	Notes
DER Electricity Generated	kWh/hour	0	500	
Biogas to Generator	cfh	0	12,000	
Biogas to Flare	cfh	0	12,000	
Ambient Temperature	°F	-20	130	NOAA Airport Code - KSYR

Relational Checks

Table 4 Relational Checks

Evaluated Point(s)	Criteria	Result
Electricity Generated	Fuel Consumed > 0 and Electricity Generated Invalid	Fuel Consumed = invalid
Fuel Consumed	Electricity Generated > 0 and Fuel Consumed Invalid	Electricity Generated = invalid