AMALGAMATED HOUSING CORPORATION – DATABASE NOTES

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Facility BMS System 15-minute Interval Nightly sFTP transfer to Frontier Energy servers
Project Information	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses:	MAN E2676 E302 150 kW Hot Water Boiler Pre Heat
DER Electricity Generated (WG)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh Gross Calculated from accumulated kWh/int from installed Shark 100 power meter
DER Fuel Consumed (FG)	Engineering Units: Measurement type:	cf Calculated from accumulated mcf/int from installed Romet RM2000 rotary mass flow meter.
DER Heat Used (QU)	Engineering Units: Heat Measurement Type:	MBtu Calculated from accumulated BTU from installed BTU meter

Table 2 Event Timeline

Date	Event
12/16/2021	Data collection begins
12/22/2021	Data posted to the NYSERDA DER Website

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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	-10	175	
DER Fuel Consumed	cfh	0	4200	Gas meter pulse - 1000 cf
DER Heat Used	MBtu/hour	0	900	
Ambient Temperature	°F	-20	130	NOAA Airport Code - KLGA

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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