

MEMORIAL HAUPT – DATABASE NOTES

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	BMS installed by Lima Company 15-min Emailed daily to Frontier Energy’s Data Collection email
Project Information	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	Two (2) Centrica ER555UL HW Units 1100 kW Hot Water Domestic Hot Water (DHW), Space Heating Rejected by dump Radiator
DER Electricity Generated (WG)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh/hour Net Power (calculated by site from gross and parasitic measurements) Calculated using the kW measurements from Schweitzer SEL 700
Electric Utility Import (WB)	Engineering Units: Measurement Type:	kWh Calculated using the kW measurements from ConEdison electric meter
DER Fuel Consumed (FG)	Engineering Units: Measurement type:	cfh Calculated using interval cf data from Endress-Hauser 65F80
DER Heat Used (QU)	Engineering Units: Heat Measurement Type:	MBtu/h MBtu/h from installed Belimo EV600S BTU Meter
DER Heat Rejected (QR)	Engineering Units: Heat Measurement Type:	MBtu/h MBtu/h from installed Belimo EV400S BTU Meter

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Table 2 Event Timeline

Date	Event
February 2, 2024	Data collection begins.
June 8, 2024	Manual Data collection established. Issues with data time date formatting led to gaps in data.
August 9, 2024	Added to NYSERDA 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	-20	1300	
DER Electricity Imported	kWh/hour	0	800	
DER Fuel Consumed	cfh	0	12000	
DER Heat Used	MBtu/hour	0	5000	
DER Heat Rejected	MBtu/hour	0	5000	
Ambient Temperature	°F	-20	130	NOAA Airport Code - KLGA

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Relational Checks

Table 4 Relational Checks

Evaluated Point(s)	Criteria	Result