

63 WALL ST – DATABASE NOTES

AegisTable 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method: Timestamp Reference:	Aegis Data Collection Platform 15-minute Nightly FTP upload to Frontier Energy Servers Eastern Standard Time
Project Information (CHP)	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	Three (3) Aegen PowerVerter 100 units 100 kW (300 kW total) Hot Water Domestic Hot Water and Space Heat Dumped via Dump Radiator
DER Electricity Generated (WG=WT1+WT2+WT3-WP)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh net Calculated from measured kWh readings for each unit and parasitic power
DER Fuel Consumed (FG)	Engineering Units: Measurement type:	cf Pulse output from gas meter
DER Heat Used (QU)	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 15-minute flow and temperature data
DER Heat Rejected (QD)	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 15-minute flow and temperature data

Table 2 Event Timeline

Date	Event
12/15/2020	Data begins

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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	350	
DER Fuel Consumed	cf	0	3750	
DER Heat Used	MBtu/hour	0	3000	
DER Heat Rejected	MBtu/hour	0	3000	
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