THE PROMENADE – DATABASE NOTES

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Aegis Data Collection Platform 15 – Minute Nightly FTP upload to Frontier Energy (FE) servers
Site Information	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	One (1) Aegen PowerVerter 100 100 kW Hot Water Domestic Hot Water (DHW) and space heating Rejected by dump radiator
DER Electricity Generated (WG)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh/hour Net Power Calculated using accumulated kWh values for gross and parasitic power measurements from installed Veris H-8035 power meters)
Electric Utility Import (WI)	Engineering Units: Measurement Type:	kWh/hour Calculated using accumulated kWh values from installed Veris E51C2A power meter
DER Fuel Consumed (FG)	Engineering Units: Measurement type:	cfh Calculated using accumulated cf values from Romet RM-2000 gas meter
DER Heat Used (QU)	Engineering Units: Heat Measurement Type:	MBtu/hour Calculated by FE using average 15-min flow and temperature data
DER Heat Rejected (QD)	Engineering Units: Heat Measurement Type:	MBtu/hour Calculated from accumulated BTU values from installed Badger 380 BTU meter

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Table 2 Event Timeline

Date	Event
November 11, 2019	FTP server setup for automated data collection.
January 29, 2020	Data files uploaded to FTP server dating back to November 11, 2019.
February 7, 2020	Site and data 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	0	150	
Electric Utility Import	kWh/hour	0	250	
DER Fuel Consumed	cfh	0	5,000	
DER Heat Used	MBtu/hour	0	1,200	
DER Heat Rejected	MBtu/hour	0	1,200	
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