

60 SUTTON PLACE – DATABASE NOTES

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Tecogen control system 15 – Minute FTP Upload to Frontier servers
Project Information (CHP)	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses:	Two (2) Tecogen INV-125 e+ Unit 125 kW Hot Water Domestic Hot Water (DHW) and space heating
DER Electricity Generated (WG)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh Net Power (calculated from gross and parasitic measurements) Calculated using kW measurements from Veris E50C2.
Electric Utility Import (WI)	Engineering Units: Measurement Type:	kW Measured kW
DER Fuel Consumed (FG)	Engineering Units: Measurement type:	- -
DER Heat Used (QU)	Engineering Units: Heat Measurement Type:	MBtu/hr Measured Btu/hr from an Onicon Btu Meter
DER Heat Rejected (QD)	Engineering Units: Heat Measurement Type:	MBtu/hr Measured Btu/hr from an Onicon Btu Meter

Table 2 Event Timeline

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Date	Event
October 31, 2019	Data collection begins.
November 16, 2019	Added to NYSERDA website. No gas data. Gas meter has yet to be installed.

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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	-5	260	
DER Fuel Consumed	cfh	0	2000	
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