

## BUILDING D – DATABASE NOTES

**Table 1 Database Notes**

<b>Data Collection</b>	Data Logger: Data Collection Interval: Collection Method:	2G Energy, Inc. 15 - minute Email
<b>Project Information</b>	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	One (1) 2G Energy, Inc. patruus265NG 265 kW Hot Water Space Heat and DHW
<b>DER Electricity Generated (WG)</b>	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh/hour Net Calculated using accumulated gross kWh values from installed meter
<b>DER Fuel Consumed (FG)</b>	Engineering Units: Measurement type:	cfh Single accumulated gas measurement for all seven units provided. Individual gas consumption for each unit calculated using total gas consumption, individual unit power, and combined (system) power.
<b>DER Heat Used (QU)</b>	Engineering Units: Heat Measurement Type:	MBtu/h Calculated using provided flow and temperature data

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**Table 2 Event Timeline**

<b>Date</b>	<b>Event</b>
1/9/2023	Data reporting begins.
11/30/2023	Data reporting issues resolved
12/8/2023	Data has been posted to NYSERDA DG website

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### *Range Checks*

Table 3 Range Checks

<b>Data Point</b>	<b>Units</b>	<b>Database Lower Range</b>	<b>Database Upper Range</b>	<b>Notes</b>
<b>DER Electricity Generated</b>	kWh/hour	-10	575	
<b>DER Fuel Consumed</b>	cfh	0	16000	$FGx = FGtotal * WGx / WGtotal$
<b>DER Heat Used</b>	MBtu/hour	0	11000	
<b>Ambient Temperature</b>	°F	-20	130	NOAA Airport Code - KLGA

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### ***Relational Checks***

**Table 4 Relational Checks**

<b>Evaluated Point(s)</b>	<b>Criteria</b>	<b>Result</b>
Electricity Generated Fuel Consumed	Daily Electric Efficiency < 0% HHV and > 100% HHV	Electricity Generated = invalid Fuel Consumed = invalid Heat Used = invalid Heat Rejected = invalid