

LAFAYETTE APARTMENTS– DATABASE NOTES

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Tecogen Installed Obvius 15 – Minute Data Collection Email Daily
Site Information	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	One (1) Tecogen INV-300e+ 300 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 kW measurements from Tecogen INV-300e+ Unit
Electric Utility Import (WI)	Engineering Units: Measurement Type:	kWh/hour kW measurements from Tecogen INV-300e+ Unit
DER Fuel Consumed (FG)	Engineering Units: Measurement type:	cfh Calculated using accumulated cf from gas meter
DER Heat Used (QU)	Engineering Units: Heat Measurement Type:	MBtu/hour Btu measurements from BTU meters installed on HW loop converted to MBtu.
DER Heat Rejected (QD)	Engineering Units: Heat Measurement Type:	MBtu/hour Btu measurements from BTU meters installed on HW loop converted to MBtu.

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Table 2 Event Timeline

Date	Event
December 12, 2019	Data collection begins.
January 15, 2020	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	400	
Electric Utility Import	kWh/hour	0	500	
DER Fuel Consumed	cfh	0	2,000	
DER Heat Used	MBtu/hour	0	2,000	
DER Heat Rejected	MBtu/hour	0	2,000	
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