Luna Park Building 3 – Database Notes

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Tecogen Installed Obvius 5 – Minute Nightly Obvius Building Manager Online upload to Frontier Energy servers
Site Information	Cogeneration Units: Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	One (1) Tecogen INV-100e+ 100 kW (100 kW each) Hot Water Domestic hot water, space heating Unknown
DG/CHP Generator Electrical Output	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kW / kWh Gross Power (calculated from accumulator) Accumulated gross kWh from Veris H8036 power meter
DG/CHP Generator Fuel Input	Engineering Units: Measurement type:	CF Accumulated cubic feet (100 cf/pulse) from NatGrid gas meter
DG/CHP Useful Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/hr Accumulated BTU – from Contrec 212 BTU Meter
Facility Purchased Energy	Engineering Units: Measurement Type:	kWh / kWh Accumulated kWh from ConEd electric meter
Other Facility Gas Use	Engineering Units: Measurement Type:	- -

Luna Park Building 3 – Database Notes

Table 2 Event Timeline

Date	Event
February 1, 2019	Complete data collection begins.
February 13, 2019	Added to NYSERDA DER website.

Luna Park Building 3 – Database Notes

Range Checks

Table 3. Range Checks

Data Point	Units	Hourly Data Calculation Method	Database Lower Range	Database Upper Range	Notes
DG/CHP Generator Output (WG)	kWh/int	Sum	0	150	
DG/CHP Generator Gas Use (FG)	cf/int	Sum	0	2000	
Total Facility Purchased Energy (WI)	kWh/int	Sum	9	250	*WI= WI_KW / # Intervals*
Other Facility Gas Use (FT_d)	cf/int	-	-	-	
Useful Heat Recovery (QU)	MBtu/hr	Avg	0	1000	
Unused Heat Recovery (QD_d)	MBtu/hr	-	-	-	
Ambient Temperature (TAO)	°F	Avg	-20	130	*WUG Airport Code - JFK*

Notes:

1. This table contains values from *luna_park3.csv*

Luna Park Building 3 – Database Notes

Relational Checks

Table 4. Relational Checks

Evaluated Point	Criteria	Result

Notes:

1. This table contains values from *relational_checks.pro*