133 Greenwich Marriott – Database Notes

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Obvius AcquiSuite A8812 15 – Minute Obvius Upload Manager to CDH Servers
Site Information	Cogeneration Units: Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses:	Two (2) Capstone C65 Microturbines Two (2) 65 kW Hot Water Other
DG/CHP Generator Electrical Output	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh Net Power (calculated from gross and parasitic measurements) Measured kW / Interval by Veris H8035-300
DG/CHP Generator Electrical Output Demand	Engineering Units: Measurement Type:	kW Net Power (calculated from gross and parasitic measurements) Measured kW
DG/CHP Generator Fuel Input	Engineering Units: Measurement type:	CF Accumulated cubic feet – Onicon Thermal Mass Flowmeter
DG/CHP Useful Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 15 minute analog flow and temperature data from an Onicon Btu Meter
DG/CHP Unused Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 15 minute analog flow and temperature data
DG/CHP Status/Runtime	Engineering Units: Measurement Type:	Hours Calculated based on generator output

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Facility Purchased Energy	Engineering Units: Measurement Type:	kWh Accumulated kWh
Facility Purchased Demand	Engineering Units: Measurement Type:	kW Measured kW
Other Facility Gas Use	Engineering Units: Measurement Type:	- -

Table 2 Event Timeline

Date	Event
April 19, 2018	Data collection begins
December 7, 2018	Added to NYSERDA website.

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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_d)	kWh/int	Sum	0	140	-
DG/CHP Generator Output Demand (WG_KW_d)	kW	Max	0	140	-
DG/CHP Generator Gas Use (FG_d)	cf/int	Sum	0	5000	-
Total Facility Purchased Energy (WT_d)	kWh/int	Sum	9	400	-
Total Facility Purchased Demand (WT_KW_d)	kW	Max	0	400	-
Other Facility Gas Use (FT_d)	cf/int	-	-	-	-
Useful Heat Recovery (QHR_d)	MBtu/hr	Avg	0	1000	-
Unused Heat Recovery (QD_d)	MBtu/hr	Avg	0	1000	-
Status/Runtime of DG/CHP Generator (SG_d)	hr	-	0	1	System Off/System On
Ambient Temperature (TAO)	°F	Avg	-20	130	*WUG Airport Code - LGA*

Notes:

1. This table contains values from *133_greenwich.csv*

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Relational Checks

Table 4. Relational Checks

Evaluated Point	Criteria	Result

Notes:

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