South Hill Business Campus– Database Notes

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	ASI Energy 5 minute Email
Site Information	Cogeneration Units: Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	2 Engines 250 kW each Hot Water Heating/Cooling Dump radiator
DG/CHP Generator Electrical Output	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh from Accumulator
DG/CHP Generator Electrical Output Demand	Engineering Units: Measurement Type:	kW Rate
DG/CHP Generator Fuel Input	Engineering Units: Measurement type:	Cf Pulse counter from utility meter
DG/CHP Useful Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/h From btu meter
DG/CHP Status/Runtime	Engineering Units: Measurement Type:	

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Table 2 Event Timeline

Date	Event
2/19/2018	Data has been posted to NYSERDA DG website

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	150	
DG/CHP Generator Output Demand (WG_KW_d)	kW	Max	0	600	
DG/CHP Generator Gas Use (FG_d)	cf/int	Sum	0	1750	
Useful Heat Recovery (QHR_d)	MBtu/int	-	-500	6000	
Unused Heat Recovery (QD_d)	MBtu/int	-	0	6000	
Ambient Temperature (TAO)	°F	Avg	-20	130	

Notes:

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