**Table 1 Database Notes** 

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Obvius AcquiSuite A8812 1 – Minute Obvius Upload Manager to CDH Servers
Site Information	Cogeneration Units: Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	Aegen Aegis PowerVerter PV-100 100 kW Hot Water Domestic hot water Rejected to atmosphere by dump radiator
DG/CHP Generator Electrical Output	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh Net Power (calculated from gross and parasitic measurements) Accumulated kWh
DG/CHP Generator Electrical Output Demand	Engineering Units: Measurement Type:	kW Calculated : accumulated kWh/int * # intervals
DG/CHP Generator Fuel Input	Engineering Units: Measurement type:	CF Accumulated cubic feet
DG/CHP Useful Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 1 minute analog flow and temperature data
DG/CHP Unused Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 1 minute analog flow and temperature data
DG/CHP Status/Runtime	Engineering Units: Measurement Type:	Hours Calculated based on generator output

Facility Purchased Energy	Engineering Units: Measurement Type:	kWh Accumulated kWh
<b>Facility Purchased Demand</b>	Engineering Units:  Measurement Type:	kW Calculated: accumulated kWh/int * # intervals
Other Facility Gas Use	Engineering Units: Measurement Type:	-

#### **Table 2 Event Timeline**

Date	Event
January 12, 2017	On site to install datalogger, terminate meter wiring, setup communications, and verify sensor readings.  Data collection begins.
January 16, 2017	Added to NYSERDA 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	-10	110	
DG/CHP Generator Output Demand (WG_KW_d)	kW	Max	-10	110	$WG\_KW\_d = WG\_d * # Intervals$
DG/CHP Generator Gas Use (FG_d)	cf/int	Sum	0	2000	
Total Facility Purchased Energy (WT_d)	kWh/int	Sum	0	400	
Total Facility Purchased Demand (WT_KW_d)	kW	Max	0	400	$WT\_KW\_d = WT\_d * \# Intervals$
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 *village\_mall.csv* 

#### Relational Checks

**Table 4. Relational Checks** 

<b>Evaluated Point</b>	Criteria	Result

Notes:

1. This table contains values from relational\_checks.pro