**Table 1 Database Notes** 

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Obvius Aquisuite A8812 1 – Minute Obvius Upload Manager to CDH servers	
Site Information	Cogeneration Units: Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	Aegen TP-75LE Induction w/ Inverter 75 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	Engineering Units:	kW	
Electrical Output Demand	Measurement Type:	Calculated : accumulated kWh/int * # intervals	
DG/CHP Generator	Engineering Units:	CF	
Fuel Input	Measurement type:	Accumulated cubic feet	
DG/CHP Useful Heat	Engineering Units:	MBtu/hr	
Recovery	Heat Measurement Type:	Calculated from 1 minute analog flow and temperature data	
DG/CHP Unused Heat	Engineering Units:	MBtu/hr	
Recovery	Heat Measurement Type:	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
Facility Purchased Demand	Engineering Units: Measurement Type:	kW Calculated : accumulated kWh/int * # intervals
Other Facility Gas Use	Engineering Units: Measurement Type:	-

#### Table 2 Event Timeline

Date	Event
April 2, 2015	CDH on site to install data logger and terminate sensor wiring.
May 1, 2015	CDH on site to setup communications and wire additional metering. Data collection begins.

#### 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	2	
DG/CHP Generator Output Demand (WG_KW_d)	kW	Max	0	100	WG_KW_d = WG_d * # Intervals
DG/CHP Generator Gas Use (FG_d)	cf/int	Sum	0	20	
Total Facility Purchased Energy (WT_d)	kWh/int	Sum	0	10	
Total Facility Purchased Demand (WT_KW_d)	kW	Max	0	600	WT_KW_d = WT_d * # Intervals
Other Facility Gas Use (FT_d)	cf/int	-	-	-	
Useful Heat Recovery (QHR_d)	MBtu/hr	Avg	0	800	
Unused Heat Recovery (QD_d)	MBtu/hr	Avg	0	800	
Status/Runtime of DG/CHP Generator (SG_d)	hr	-	-	-	
Ambient Temperature (TAO)	°F	Avg	-20	130	WUG Airport Code - NYC

Notes:

1. This table contains values from *bay\_club\_1.csv* 

#### **Relational Checks**

 Table 4. Relational Checks

Evaluated Point	Criteria	Result

Notes:

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