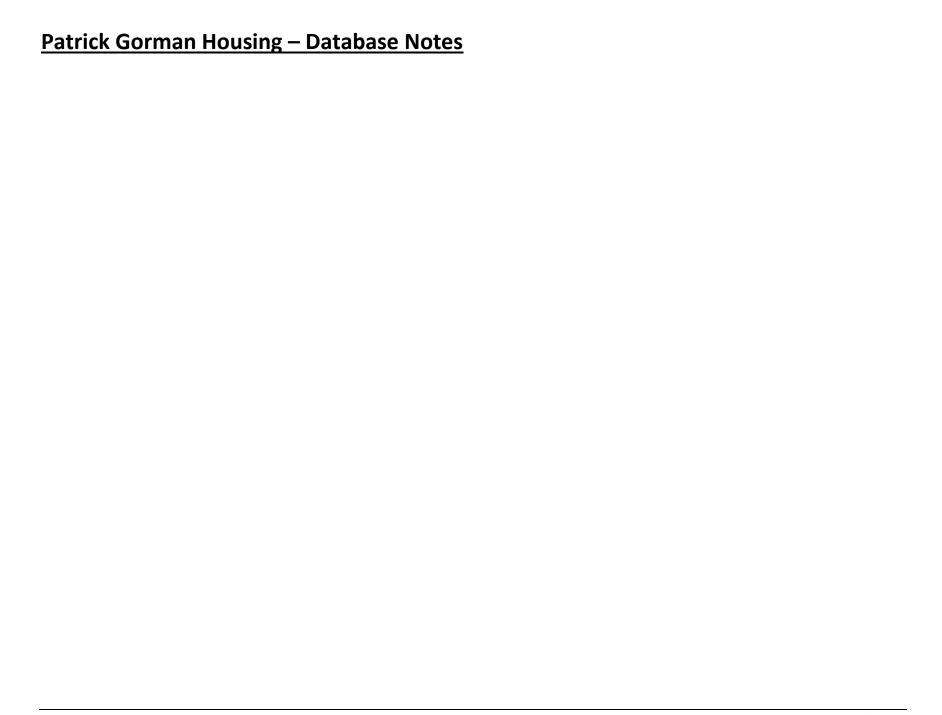
Table 1 Database Notes

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:	Two (2) 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 Net Power (calculated from gross and parasitic measurements) Measured kW	
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
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 26, 2017	On site to install datalogger, terminate meter wiring, setup communications, and verify sensor readings. Data collection begins.	
April 28, 2017	Added to NYSERDA website.	
December 27, 2017	Generator electrical output and generator electrical output demand data set to data quality 1 (data exifrom June 1, 2017 to June 20, 2017 due to lose voltage tap causing inaccurate power measurements.	



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	
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	
Other Facility Gas Use (FT_d)	cf/int	-	-	-	
Useful Heat Recovery (QHR_d)	MBtu/hr	Avg	0	1200	
Unused Heat Recovery (QD_d)	MBtu/hr	Avg	0	1200	
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 - JFK

Notes:

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

Relational Checks

Table 4. Relational Checks

Evaluated Point	Criteria	Result

Notes:

1. This table contains values from relational_checks.pro