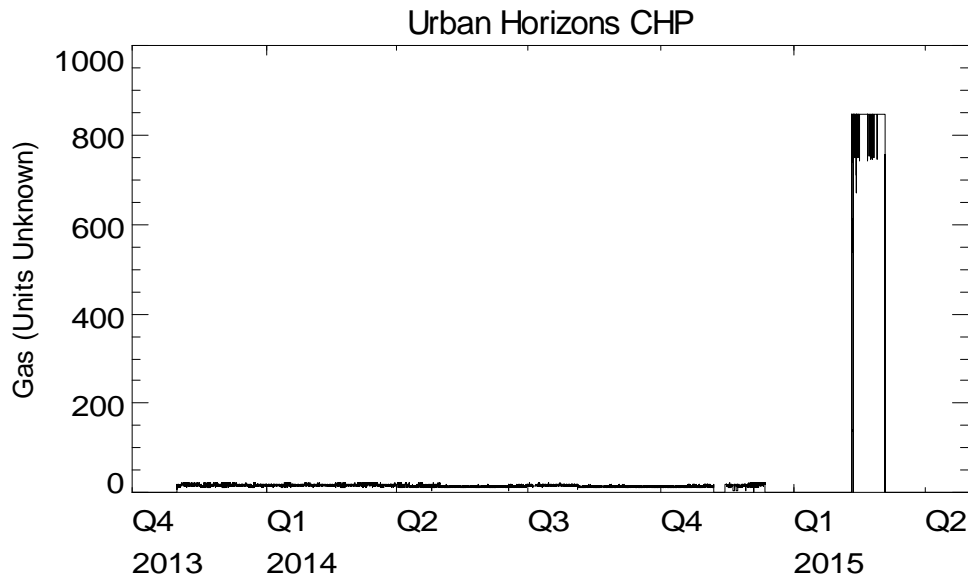
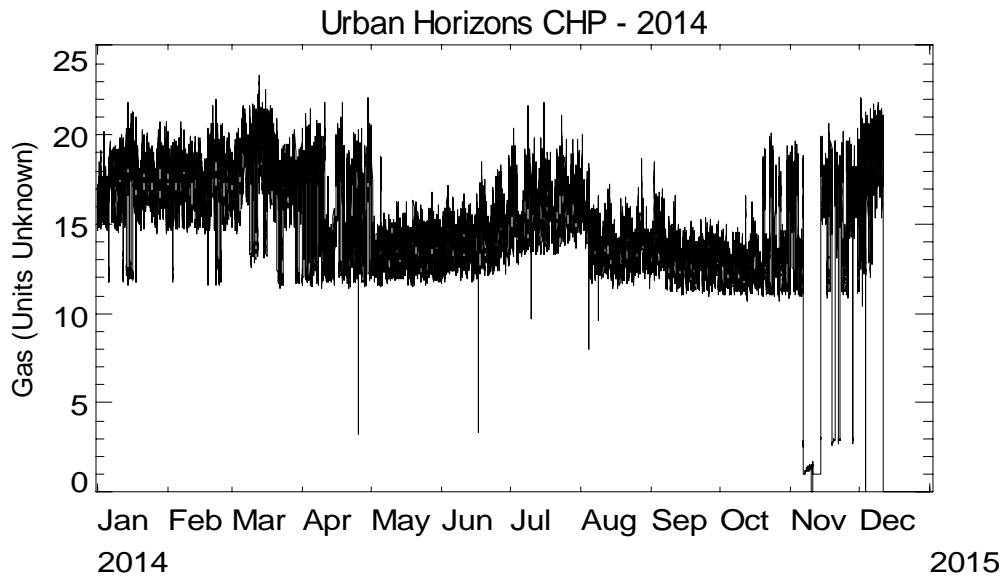


Urban Horizons Gas Data

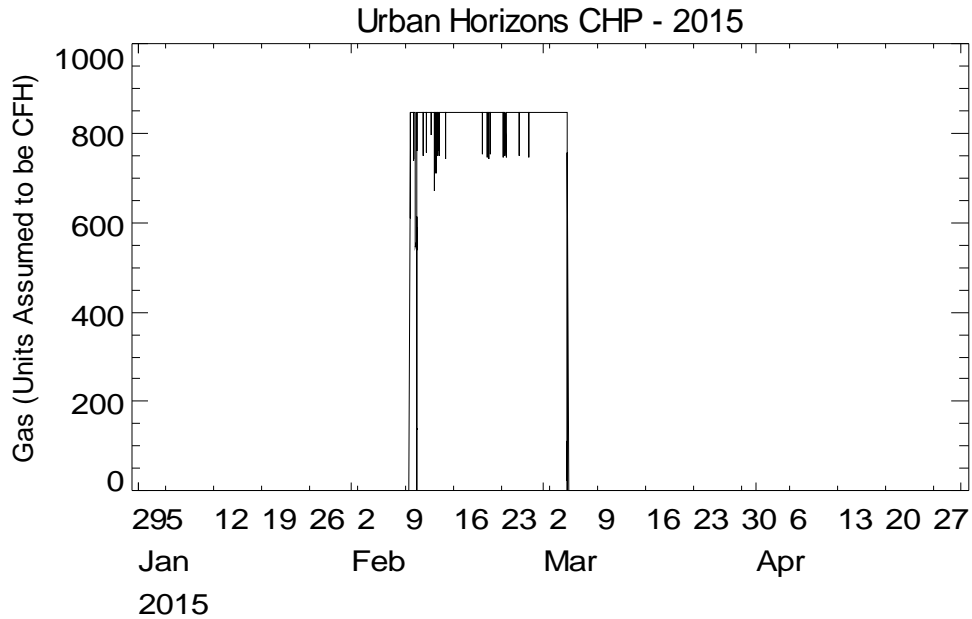
Raw data from RSP logger shows low values in 2014, then large change in 2015.



Close-up of raw data from RSP logger in 2014. This value is proportional to power, and CDH multiplied this value by 34.8 to turn it into a “reasonable gas value” (see Urban Horizons Gas Data.pdf)



Close-up of 2015 raw data from RSP logger. Gas meter now reads in the proper range, assuming units are CFH, but it appears the gas meter is spanned incorrectly, and the meter clips at the high range of 847.45 CFH.



The plot below shows the gas use vs power output for the system during 2014, with the gas data corrected by CDH Energy using the calculated factor of 34.8. Two trends are observed in 2014, with a distinct change after 8/5/2014. The most recent data has a trend line of:

$$\text{CFH} = 265.0 + 7.652 \times \text{kWnet}$$

This trend could be used to fill in the missing data from December 2014 – present, including the data from Feb 2015 which appears to be incorrect.

