

UoR SECR Report 2024/2025 Limited Assurance Findings

Key Area	Description	Minor Issues	Major Issues	Recommendations
Meter 1	33 KV - Feeding Whiteknights Campus (Electricity)	1. A 1 kW difference was noted between reported data and billed data. 2. A 24,459 kWh difference was noted between billed data and half hour data (representing a 0.12% difference).	None.	1. In future cross check reported values and billed data to ensure no inconsistencies. 2. In future reporting periods cross check annual billed data with supporting Half Hour Electricity data and arrange for bill corrections to be carried out.
Meter 2	LO50 - Feeding London Road Campus (Electricity)	1. A 1.7 kW difference was noted between reported data and billed data. 2. Half hour data and billed data matched without variance.	None.	1. In future cross check reported values and billed data to ensure no inconsistencies.
Meter 3	Whiteknights Energy Centre (Gas)	See Major Issues.	1. The gas meter is providing incorrect readings. This is compounded with billed meter readings being a combination of estimated meter readings and actual meter readings. Billed data only accounts for approximately 10% of the reported data. This issue has been taken up by the UoR with their meter supplier and a new meter has been requested. 2. The UoR has installed its own check meters and take monthly readings. However, these meter readings these are not taken at clean monthly intervals and data spans between periods. Furthermore here are no transparent calculations to show time period corrections.	1. Progress new gas meter as a matter of priority. 2. Manual gas meter readings should be taken on the 1st day of every month, or, consideration given towards AMR (Automatic Meter Readings).
Gas Conversion Factors	Gas conversion factors	1. The CV value used by UoR was 39.325 but the gas supplier bill shows a CV of 39.175. 2. This accounts for a difference in gas consumption of 57525 kWh which is 0.38%.		1. Source the gas conversion calculations and check correction factors and CV values to be consistent with the current gas supplier. 2. Communicate correction factors and CV values to Systems Link Energy Manager and arrange for regular updates of conversion factors.
Carbon Conversion Factors	Gas and electricity carbon conversion factors	1. The carbon factor for gas that was used was for 2024 (0.18290 kgCO ₂ e/kWh). The 2025 factor should have been used between Jan-July 2025 (0.18296 kgCO ₂ e/kWh). 2. The electricity factor used (0.207955 kgCO ₂ e/kWh) does not align with 2024 (0.22535 kgCO ₂ e/kWh) or 2025 (0.19553 kgCO ₂ e/kWh) carbon factors. 3. Carbon factors used are correct only to 3 decimal places but 5 decimal places should be used in accordance with UK carbon factors produced.	None.	1. In future reporting provide transparent carbon factors to 5 decimal places. 2. If an average value is used between 2 data sets (i.e. 2024 and 2025) show calculations for carbon conversion values used.

Conclusion

1. Electricity and gas make up 90.1% of the UoR carbon emissions. The 3 largest meters account for 70.9% of the total electricity and gas consumption so are extremely relevant in this limited assurance review.

2. The SECR data set provided is deemed accurate with the following comments made as;

a. Electricity data from meters 33 KV and LO50 are considered reliable with only minor variances noted.

b. The Whiteknights Energy centre gas meter is erroneous and requires replacement. It is noted that this is in hand with the UoR. As a work around the UoR has installed check meters and take their own readings.

c. To improve accuracy gas meter readings and data collection should occur on the 1st of each month.

d. Gas CV values should be aligned with gas supplier bill values to improve accuracy.



Paul Bennett

05/11/2025

B:SSEC