**Nelson and Colne College Group**

**Carbon Emissions**

| **Greenhouse gas emissions and energy use data**  | **2020/2021 2021/2022** |  **2022/2023** |
| --- | --- | --- |
| Energy consumption used to calculate emissions (kWh) | 4,813,244 4,811,028 |  3,799,844 |
| **Energy consumption break down (kWh) (optional)**: |  |  |
| Gas | 2,962,724 2,829,774 |  2,000,129 |
| Electricity | 1,760,634 1,847,539 |  1,660,952 |
| Transport fuel | 89,886 133,715 |  138,763 |
| **Scope 1 emissions in metric tonnes CO2e** |  |  |
| Gas consumption | 545 518 |  365 |
| Owned transport | 21.5 31.6 |  33 |
| Total scope 1 | 566.5 549.6 |  398 |
| **Scope 2 emissions in metric tonnes CO2e** |  |  |
| Purchased electricity | 410 392 |  321 |
| **Scope 3 emissions in metric tonnes CO2e** |  |  |
| Business travel in employee-owned vehicles | 22.65 50.07 | 73 |
| **Total gross emissions in metric tonnes CO2e** | **999 992** | **793** |
| **Intensity ratio** |  |  |
| Tonnes CO2e per member of staff (staff/TC02e) | **735 / 1.35 707/1.40** | **704/1.12** |

**Improvements**

Energy efficiency improvements as part of the programme of Capital works including lighting and heating upgrades running alongside the consolidation of evening activity.

**Quantification and Reporting Methodology**

Streamlined Energy and Carbon Reporting for College Corporations (SECR) using EAUC Guidance and Greenhouse gas emissions conversation factors for 2022-2023.

**Intensity measurement**

The chosen intensity measurement ratio is “total gross emissions in metric tonnes CO2e per staff member”, the recommended ratio for the sector.