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## **SCOPE DATA**

Each year Kirklees College is required to produce the SECR report that details our scope 1,2 & 3 emissions.

For the academic year 2020/21 consumption/usage data is as follows:

### **SCOPE 1**

	2020/21	Specific exclusions	% of activity data that is estimated
Gas	788.81	None	0
Fleet Owned Vehicles	5.576	None	0
Total	794.386		

### **SCOPE 2**

	2020/21	Specific exclusions	% of activity data that is estimated
Electricity	634.43	None	0
Total	634.43		

### **SCOPE 3**

	2020/21	Specific exclusions	% of activity data that is estimated
<b>Grey Fleet</b>	2.372	None	0
Total	2.372		

\*All figures are measured in tonnes of CO2e





## **BUSINESS TRAVEL**

	2020/21
Air	0
Train	0
Car	2.372
Total	2.372



## **INTENSITY RATIOS**

	Total tonnes CO2e	CO2e per square metre	CO2e per average FTE employee
Scope 1	794.386	0.0162	1.2221
Scope 2	634.43	0.0129	1.0070
Scope 3	2.372	0.00048	0.0038
Total	1,431.188	0.02910	2.272

## **ENVIRONMENTAL IMPROVEMENTS**

- LED lighting installed through-out the estate.
- Electrical vehicle charging points installed at all of the college sites along with three electric vans added to the college fleet.
- Disposal of surplus college sites including the sale of the Halifax Road site reducing the estate by circa 18,887m2 in 2021.
- A comprehensive review of space utilisation is underway, particularly looking at the use of
  office space adopting flexible desk solutions where possible and converting other space
  into teaching space.
- Encourage the continued use of Microsoft Teams and other software for virtual meetings to reduce travel by staff and suppliers.



# ENVIRONMENTAL IMPROVEMENTS CONTINUED

- Modifications to the building management system to reduce out of hours base load energy usage along with reducing energy usage in Duos and Tuos periods.
- Timers have been fitted to stand alone electric water heaters to reduce consumption out of hours.
- Computers across the estate programmed to auto shutdown out of operational hours saving energy.
- Implementing new waste disposal processes to increase recycling bins to all classrooms.
- Insulation lagging has been increased to plant and equipment to reduce heat losses across the estate.
- We have recently planted 300 trees across the estate donated by the Woodlands Trust and engaged with the staff and stuents through the Green Team.
- Created the Green Team to engage with students and staff on sustainability actions and events such as clothes swap shops and recycling events.
- We are currently specifying and procuring Solar PV Systems for a number of our buildings to reduce our reliance on fossil fuels and reduce electric from the grid.





## **APPENDICES**

#### Methodology

Total square meterage: 49,175m2

Total average number of employees 630 FTE, (headcount 950)

#### Conversion factors used:

Electricity	0.21233
Gas	0.18316
Diesel (Fleet) (Kms)	0.26515
Combined Petrol/Diesel (Grey) (miles)	0.2839

Above conversion factors supplied from Department of Business, Energy and Industrial Strategy. <a href="https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting">https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting</a>

- Data collected from suppliers database for gas and electricity.
- Fleet vehicles usage compiled from mileage log books
- Grey fleet figures based on the number of miles claimed (converted to miles) through our expenses then converted using DEFRA conversion factor for average petrol and diesel combined.