

## **CLIMATE REPORTING**

The non-renewable energy sources used to power our study centres, our head office and the energy utilised within our supply chains all create greenhouse gases which contribute towards the warming of the earth's surface and to a changing climate. We accept that the continued use of such energy sources is not in the long-term interests of the environment and Arden is committed to reducing its reliance upon non-renewable energy sources in an attempt to contribute towards a sustainable environment in the future.

As a responsible business we must reduce our consumption wherever we can and use renewable alternatives. We must encourage our supply chains to look at their consumption too and encourage the use of renewable energy sources.

We have undertaken an assessment of our emissions and had this assessment verified by a third-party (Delta-Simons Environmental Consultants Limited) in general accordance to ISO14064-1:2006 Greenhouse Gases – Part 1: Specification with guidance at the organisation level for quantification and reporting of greenhouse gas emissions and removals.

The table below sets out total energy consumption and resulting GHG emissions arising from Scopes 1&2, in addition to rental vehicles and employee mileage, as required under the SECR guidance.

Scope	FY19		FY20	
	kWh	tCO <sub>2</sub> e	kWh	tCO <sub>2</sub> e
Scope 1 – Heating Fuels	169,370	31.14	170,698	31.39
Scope 1 – Company Vehicles	0	0	0	0
Scope 2 - Purchased Electricity (Location-Based)	991,490	253.42	649,044	151.32
Scope 3 – Rental Vehicles	0	0	0	0
Scope 3 – Employee Mileage	56,591	14.50	14,092	3.49
<b>Total Gross Emissions</b>	<b>1,217,451</b>	<b>299.06</b>	<b>833,834</b>	<b>186.20</b>
Purchased Electricity (Market-Based)	-	0	-	0
Carbon Offsetting Projects	-	0	-	0
Nature-Based Carbon Removals	-	0	-	0
<b>Total Net Emissions</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>
Intensity Ratios		FY19	FY20	
kWh/sq.ft/year		13.31	9.40	
tCO <sub>2</sub> e/employee/year		1.26	0.58	
tCO <sub>2</sub> e/£m/year		12.58	5.13	

We are committed to a Carbon Reduction Plan which will include the following:

1. Procure renewable energy for offices and study centres where Arden has direct billing responsibility

2. Encourage landlords to move to 100% renewable energy
3. Continue to aim to increase efficiency and use less energy by 5% annually
4. Seek to transition study centres from fossil-fuel heating to renewable or electric forms of heat
5. Source cloud computing services from a carbon neutral provider
6. Transition to refrigerants with ultra-low global warming potential (GWP)
7. Reduce water consumption by 5% annually
8. Reduce paper consumption by 5% annually via increased digitalisation and paperless initiatives
9. Reduce waste generation. Increase recycling rates. Target Zero Waste to Landfill
10. Reduce business travel by 5% annually through embracing of remote working and video conferencing.