

Annual SECR disclosure

Sparsholt College Group | Academic Year 2020-2021

Introduction

This Streamlined Energy and Carbon Report (SECR) is Sparsholt College Groups response to The Companies (Directors Report) and Limited Liability Partnership (Energy and Carbon Report Regulations 2018) that encompass March 2019 Environmental Reporting Guidelines. These regulations require the College to provide a streamlined energy and carbon report that is designed to increase awareness of energy costs, provide data to support the adoption of energy efficiency measures and to help organisations to reduce their impact on climate change. The report will also provide greater transparency for stakeholders.

Methodology

The standard used in the information presented is the GHG Reporting Protocol-Corporate Standard 2020 presented within the framework of the EAUC SECR tool. Utilising data from energy reports linked to ISO14001/2015 accreditation, a base year has been set at 2017/2018.

Intensity Measurement

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

Environmental improvements already implemented in the College include:

- Water harvesting systems to save water
- All electric supply is green
- Zero land fill waste contractor
- All boilers replaced with grade A boilers
- All contractors must have green incentives or quality assurances
- All mains gas supply is from green energy supplier
- Planning consent to install a green digester at Sparsholt campus
- 500 KW of Photovoltaics installed providing 30% of our electrical supply.
- Car share policy for staff
- Monitoring systems installed on water consumption (leak detection)
- New buildings are built to BREEAM standards with excellent as the target
- Building management system (BMS) installed on small number of SCH buildings and all new builds
- LED lighting installed on Andover campus
- Move to Meadow foods for milk sales and accredited to sustainable milk production programme.
- Re-accredited to Red Tractor sustainable farming

- Well established diverse habitats including an area of wetland, 1 hectare lake, 2 hectares of Ancient Semi-Natural Woodland managed for conservation and diversity
- Multiplicity of ornamental tree and shrub variety and garden plants on the campuses
- E-tendering system for procurement
- Curriculum engagement in local biodiversity projects
- Catering switch to veg based packaging.

Environmental improvements planned or underway in the College include:

- Carbon reduction plan produced with priority actions identified
- Complete installation of LED lighting on Sparsholt campus
- New property strategy developed which embeds climate change considerations within capital investment decision making
- On-site College apiary re-established
- FEETF funding application to replace the most inefficient buildings on the Sparsholt campus
- Ongoing management and review of habitat and diversity on SCG campuses
- Place sustainability at the heart of the Student Council agenda (including leading on initiatives throughout the student community)
- Reduce paper and printing consumption (migrate to electronic forms and resources)
- Electric vehicle charge points to be installed
- Report and manage climate change impact in Strategic Risk Management Plan
- Integration of the sustainability agenda within the tutorial programme to raise awareness and understanding
- Engage learners in meaningful social action projects which focus on the green agenda and connects learners to wider societal responsibilities
- Consider remote working solutions to reduce travel (i.e., between campuses)

Base Year for emissions disclosure	2017 - 2018
Reporting Organisation	Sparsholt College Group
Person Responsible	Darren Carrig
Academic Reporting Year	2020 - 2021
Type of Reporting Organisation	College Corporation
Methodology used	GHG protocols Corporate standards & SECR guidelines for College Corporations
Emission Factors used	2020
Included Scope 3 emissions	Water (supply and waste treatment), , WEEE, Grey Fleet (miles).
Scope 2 emissions	Location Based Power, Market Based Power
Exclusions	None

Report Year Scope 1 emissions	Fuel Source	Volume Unit	TCO ₂ e	Emissions change v Base Year
Heating	Natural Gas	1,205,214.73 kWh	221.60	4%
	Other	3,493,933.10 kWh	771.55	-32%
Transport	Diesel	159,000.00 kWh	38.25	-61%
	Petrol	47,200.00 kWh	10.82	
		-	-	
Fugitive Emissions		-	-	
Scope 1 Sub-Total			1,042.22	-28%

Report Year Scope 2 emissions				
Location Based Power	Electricity	2,805,707.00 kWh	654.12	-45%
Self Generated Renewable Power	Electricity	514,774.00 kWh	120.01	-35%
Scope 2 Sub-Total			774.14	-44%

Report Year Scope 3 emissions				
Water (supply and waste treatment)	Not Disclosed	80,504.00 M ³	76.14	4%
Waste (Landfill)		-	-	-100%
WEEE	Not Disclosed	5.22 Tonnes	0.11	-2%
Grey Fleet (miles)	Diesel and Petrol	7,178.60 Miles	2.01	-90%
		-	-	
		-	-	
		-	-	
		-	-	
Gross TCO ₂ e pre offset			1,894.63	-35%

Offsets				
Market Based Power	Electricity	2,805,707.00 kWh	654.12	-45%
		-	-	
		-	-	
Net TCO ₂ e			1,240.50	-29%

Report Year Energy Intensity Ratios (S1&2)	Quantity	kWh's / Unit	TCO ₂ e/ Unit		
Floor area		-			
Staff FTE		405	19,044.34	3.06373	-22%
Student FTE		3,489	2,210.10	0.35555	-22%
Number of Staff		-			

Transport Intensity Ratios (S1&2)	Quantity	kWh's / Unit	TCO ₂ e/ Unit		
Miles		-			
Per Vehicle		38	5,426.32	1.291286	-48%

Context
Petrol and Diesel combined as Diesel for base year