

Annual SECR disclosure

Sparsholt College Group | Academic Year 2022-2023

Introduction

This Streamlined Energy and Carbon Report (SECR) is Sparsholt College Group's 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 2022 presented within the framework of the EAUC SECR tool. The data from the SECR report for 2020/21 has been used for the base year comparison.

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:

- 100% of electricity supplied is renewable as backed by Renewable Energy Guarantees of Origin (REGO)
- Electric vehicle charge points installed on both campuses with 2 fleet and 2 demonstration EVs in use
- Water harvesting systems to save water
- 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
- 500 KW of Photovoltaics installed providing 15% of our electricity consumption
- Car share policy for staff
- Monitoring systems installed on water consumption (leak detection)
- LED lighting installed throughout both campuses
- 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
- Additional ponds have been installed across the Sparsholt campus to provide for further insect, amphibian and bird life
- New winter garden installed at the entrance to the campus
- On-site College apiary re-established
- E-tendering system for procurement
- Curriculum engagement in local biodiversity projects
- Catering switch to veg based packaging
- Electric vehicle demonstration and teaching technologies are now installed on the Andover campus

Environmental improvements planned or underway in the College include:

- The College Group's Sustainability Strategy and Action Plan are now mapped against the 5 key action areas as identified in the Department for Education's (DFE's) Sustainability and Climate Change Strategy
- Carbon reduction plan produced with priority actions identified
- New property strategy developed which embeds climate change considerations within capital investment decision making
- Targeted investment into the College's Building management system (BMS) to improve energy efficiency
- FECTF funding application to replace the most inefficient buildings on the Sparsholt campus
- Work has commenced on the installation of a robotic dairy
- Ongoing management and review of habitat and diversity on SCG campuses
- A new conservation land management plan is in place for Ower Wood
- New planting to the front drive and a review of ELMS scheme to join is underway
- Sustainability module for 'new staff' developed and delivered in induction
- Sustainability unit rolled out to all staff, with additional units offered across curriculum
- Extensive range of student social action projects with a sustainability theme embedded into weekly duties
- Revision of current Waste Management Policy to include adoption of Right to Repair rules to reduce wastage and increase lifecycle of goods
- Options to install batteries to store locally generated solar energy are being developed.
- 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
- Sustainability is a standing agenda item at Student Council, with each Council given £500 budget to run student-led initiatives.

Sparsholt College Group		Annual SECR disclosure		Academic year 2022-2023		
Base Year for emissions disclosure	2020 - 2021					
Reporting Organisation	Sparsholt College Group					
Person Responsible	Darren Carrig					
Academic Reporting year	2022-2023					
Type of Reporting Organisation	College Corporation					
Methodology used	GHG protocols Corporate standards & SECR guidelines for College Corporations					
Emissions factors used	UK Government conversion factors for Company set					
Included Scope 3 emissions	Water (supply and waste treatment), , WEEE, Grey Fleet (miles), Red Diesel: Farm, Agri, Arb, Hort 53676 litres					
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	824,062.00 kWh		150.42	-32%	
	Other	4,265,229.80 kWh		935.83	2%	
Transport	Diesel	250,149.40 kWh		60.32	58%	
	Petrol	47,030.08 kWh		10.68	-1%	
		-		-		
Fugitive Emissions		-		-		
Scope 1 Sub-Total				1,157.27	-2%	
Report Year Scope 2 emissions						
Location Based Power	Electricity	2,823,428.00 kWh		545.99	-17%	
Self Generated Renewable Power	Electricity	-	522,216.00 kWh	100.99	-16%	
Scope 2 Sub-Total				646.98	-16%	
Report Year Scope 3 emissions						
Water (supply and waste treatment)	Not Disclosed	91,649.00 M³		34.84	-38%	
		-		-		
WEEE	Not Disclosed	4.20 Tonnes		0.09	-20%	
Grey Fleet (miles)	Diesel and Petrol	21,163.20 Miles		5.94	195%	
Red Diesel: Farm, Agri, Arb, Hort 53676 litres	Not Disclosed	137.21 TCO ₂ e		137.21	41%	
		-		-		
		-		-		
		-		-		
Gross TCO ₂ e pre offset				1,982.33	-6%	
Offsets						
Market Based power	Electricity	-	2,823,428.00 kWh	-	545.99	-17%
			-		-	
			-		-	
Net TCO ₂ e				1,436.33	-2%	
Report Year	Report Year					
Energy Intensity Ratios (S1&2)	Quantity	kWh's / Unit	TCO ₂ e / Unit			
Floor area	-					
Staff FTE	413	19,893.14	3.48034			
Student FTE	3,609	2,274.84	0.39799			
Number of Staff	-					
Transport Intensity Ratios (S1&2)	Quantity	kWh's / Unit	TCO ₂ e / Unit			
Miles	-					
Per Vehicle	38	7,820.51	1.868639			
Context						

Jointly created by Hillside Environmental Services and the EAUC, this tool is freely available for EAUC Members to help them meet their Environmental disclosure and Carbon reporting (SECR) obligations and start their Journey along the Climate Action Roadmap *Andover Fuel added for 22/23 not included in base year

