

Annual SECR disclosure

Sparsholt College Group | Academic Year 2024-2025

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.

As a matter of sector good practice, Sparsholt College Group provides 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 the organisation to reduce its impact on climate change.

The report is published alongside the Annual Report on Sparsholt College Group's Sustainability Strategy to provide greater transparency for stakeholders.

Methodology

The standard used in the information presented is the GHG Reporting Protocol-Corporate Standard 2023 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 (FT).

Environmental achievements at Sparsholt College Group in 2024/25 include:

- Equine Carbon Calculator
- Tractor and welding simulators, herd management technology, a vertical farming unit and 'green tech' teaching rigs
- Water harvesting solutions in New Dairy and University Centre Sparsholt (UCS) Science and Research Centre
- Air Source Heat Pumps in new build UCS Science and Research Centre
- A new 64 panel solar energy system incorporated into UCS Science and Research Centre
- A new 90 panel solar energy system incorporated into Horticulture Department. including 200 kwh battery storage
- Site wide Building Management System

- Biodiversity schemes, including meadow and woodland planting, bee hives, ponds
- Sustainability scoring criteria implemented by Procurement
- Investments include Barclays Green Deposit / LGPS – Climate Change Investment Strategy

Environmental improvements already implemented by Sparsholt College Group include:

- 100% of electricity supplied is renewable as backed by Renewable Energy Guarantees of Origin (REGO)
- Zero land-fill waste contractor
- All boilers replaced with grade A boilers
- All contractors must have green incentives or quality assurances
- 700+ KW of Photovoltaics installed, approximately 15% of our electricity consumption
- Electric vehicle charge points installed on both campuses with 2 fleet and 2 demonstration EVs in use
- Car share scheme for staff
- Monitoring systems installed on water consumption (leak detection)
- Started replacement LED lighting programme Andover campus
- Heat Decarbonisation Plan providing clear direction for whole site decarbonisation
- Development of Climate Risk Register
- 2nd Wastewater Treatment Plant
- Carbon sequestration tree planting programme - 10 replacements for each tree removed
- Seasonal ponds (climate change risk)
- Waste Management and recycling improvements

Environmental improvements planned or underway at Sparsholt College Group include:

- 14 sustainable development goals to be embedded across the FE and HE curriculum
- A new 32 panel solar energy system incorporated into the Farm, including 200 kwh battery storage
- Development and launch of the Farm Carbon Calculator
- Wind Turbines feasibility
- Possible micro-AD solution for onsite gas generation and work to upgrade gas infrastructure and boiler plant
- New sustainable staff housing
- New Buildings BREEAM Very Good or Excellent
- Supply Chain – Catering / Cleaning / Campus Buses

| Sparsholt College Group | | Annual SECR disclosure | | Academic year 2024-2025 | |
|--|--|------------------------|--------------------------------------|---|------------------------------|
| Base Year for emissions disclosure | 2020 - 2021 | | |  | |
| Reporting Organisation | Sparsholt College Group | | | | |
| Person Responsible | Conor Davies | | | | |
| Academic Reporting year | 2024-2025 | | | | |
| 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 Argi Farm Horti 62341 | | | | |
| Scope 2 emissions | Location Based Power, Market Based power | | | | |
| Exclusions | None | | | | |
| Report Year Scope 1 emissions | Fuel Source | Volume | Unit | TCO _{2e} | Emissions change v Base Year |
| Heating | Natural Gas | 941,987.00 | kWh | 172.29 | -22% |
| | Other | 4,621,734.90 | kWh | 1,014.70 | 11% |
| Transport | Diesel | 319,855.00 | kWh | 76.45 | 100% |
| | Petrol | 28,320.00 | kWh | 6.23 | -42% |
| | | - | | - | |
| Fugitive Emissions | | - | | - | |
| Scope 1 Sub-Total | | | | 1,269.67 | 7% |
| Report Year Scope 2 emissions | | | | | |
| Location Based Power | Electricity | 2,960,424.00 | kWh | 612.96 | -6% |
| Self Generated Renewable Power | Electricity | - | 524,427.00 kWh | 108.58 | -10% |
| Scope 2 Sub-Total | | | | 721.54 | -7% |
| Report Year Scope 3 emissions | | | | | |
| Water (supply and waste treatment) | Not Disclosed | 108,443.00 | M ³ | 41.23 | -27% |
| | | - | | - | |
| WEEE | Not Disclosed | 2.28 | Tonnes | 0.05 | -56% |
| Grey Fleet (miles) | Diesel and Petrol | 26,096.45 | Miles | 7.32 | 264% |
| Red Diesel Argi Farm Horti 62341 | Not Disclosed | 159.97 | TCO _{2e} | 159.97 | 64% |
| | | - | | - | |
| | | - | | - | |
| | | - | | - | |
| Gross TCO _{2e} pre offset | | | | 2,199.78 | 4% |
| Offsets | | | | | |
| Market Based power | Electricity | - | 2,960,424.00 kWh | - 612.96 | -6% |
| | | - | | - | |
| | | - | | - | |
| Net TCO _{2e} | | | | 1,586.83 | 9% |
| Report Year Energy Intensity Ratios (S1&2) | Quantity | kWh's / Unit | Report Year TCO _{2e} / Unit | | |
| Floor area | - | | | | |
| Staff FTE | 470 | 18,877.28 | 3.37622 | | -9% |
| Student FTE | 3,868 | 2,293.77 | 0.41024 | | -4% |
| Number of Staff | - | | | | |
| Transport Intensity Ratios (S1&2) | Quantity | kWh's / Unit | TCO _{2e} / Unit | | |
| Miles | - | | | | |
| Per Vehicle | 39 | 8,927.56 | 2.120149 | | 65% |
| 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

