



Streamlined energy and carbon reporting for Tameside College 2021

The Streamlined Energy and Carbon Reporting framework (SECR) is a package of regulations published by the Department for Business, Energy and Industrial Strategy (BEIS) that came into effect from 01 April 2019.

Introduction

Tameside College embraces its responsibility to environmental sustainability, where the needs of the present do not compromise the ability of future generations needs. The College is committed to developing environmentally sustainable practices within College operations and future strategy planning both in relation to its own carbon impact and knowledge sharing.

The College is undergoing significant Estates development which encompasses the use of energy efficient and sustainable materials as well as responsible practices. Social inclusion has also been an important part of the planning and delivery of the College's Estates vision. Tameside College also works with its supply chain to promote and encourage this ethos throughout. The Estates strategy has been planned with consideration to future potential in order to minimise the need for further unnecessary works and materials whilst serving its purpose to the local communities.

This report expands on the College's commitments to Environmental Sustainability and the measures it has taken to improve efficiencies.

Part 1: Descriptive information

Name of the company	Tameside College
Description of the company	Further & Higher Education College
Chosen consolidation approach	Operational Control
The reporting period covered	August 2020 – July 2021
The year chosen as base year	August 2018 – July 2019
Rationale for choosing the base year	The College has chosen a fixed base year at the early stages of Estates renovation which would see improvements to building conditions over a number of years. The College will reconsider its base year in the future after the development works have completed.



Part 2: Greenhouse gas emissions for the Current Year

	Last Financial Year	Base Year
Energy Consumption used to calculate emissions (kWh)	Aug 2020 - July 2021	Aug 2018 - July 2019
Gas (KWh)	1,968,099	3,388,371
Electricity (KWh)	1,781,888	2,277,706
Transport fuel (miles)	57,813	57,813
Emissions in Metric Tonnes CO2e		
Scope 1		
Gas consumed	361.87	623.02
Owned Transport	15.67	15.67
Scope 2		
Purchased Electricity	415.43	531.02
Scope 3		
Business travel in employee owned vehicles	7.04	15.82
Total gross emissions in metric tonnes CO2e	800.01	1,185.53
FTE of Staff	366.80	355.72
Intensity ratio: Tonnes CO2e per FTE of staff	2.18	3.33

Part 3.1 Quantification and Reporting Methodology

The report has been prepared under the 2019 HM Government Environmental Reporting Guidelines and calculations have been carried out using the UK Government GHG Conversion Factors for Company Reporting.

Part 3.2 Intensity measurement

The College has chosen to report its intensity measurement as the ratio of total gross emissions in metric tonnes CO2e per full-time equivalent staff member. This allows for ease of comparisons over the years and identification of positive progress.

Part 3.2 Measures taken to improve energy efficiency

The College will endeavour wherever possible and practical to reduce its impact on the environment and will actively promote the implementation of environmentally friendly policies and practices in all areas of activity. It will aim to introduce a corporate culture whereby environmental issues are considered equally with all other aspects of the College's business. The College Governors have adopted the FE Climate Action Road map and a Sustainability Group is being set up to embrace existing and new approaches to Environmental Sustainability. We acknowledge our responsibility to protect, conserve and improve the environment. We will seek to minimise the effect of the College on the environment by adopting environmentally responsible policies and practices throughout our operations, in so far as resource constraints allow us to do so. The purpose of the policy is to ensure a pro-active and co-ordinated approach to the management, maintenance and review of environmental standards

Day to Day

At Tameside College we are committed to sustainability, and we are always trying to improve methods and practices that enable a reduction in our carbon footprint. We currently use a waste provider who takes our waste away and separates it to ensure all recyclable material is appropriately handled. We also ensure that all waste oils, wood, metal and coolants are disposed of in an environmentally friendly way. Our catering contractor has most recently made a step forward with sustainability by removing all single use plastics from their ranges and have opted for a more environmentally friendly and recyclable food box & cutlery range.



Our newly appointed cleaning contractor have the status of a Carbon neutral through their practices and commitments to being sustainable. The college in recent years has adapted a fix rather than replace policy for their servicing of equipment requirements, reducing the potential for waste products from constantly renewing equipment in turn also saving money for the college. The estates department monitor the buildings heating systems and adjust the heating time clocks to make sure we are receiving the correct usage of heat and power. The college also promotes the cycle to work scheme and also encourages staff to travel on public transport and to car share to work. We have also established a sustainability group to discuss our best practice and to work towards Net Zero.

Planned Maintenance Programme

When undertaking our PMP – Planned Maintenance Programme we take into consideration the impact of different materials and fittings. For example, we have begun to replace out CAT 2 light fittings to their LED equivalent, the new LED fittings have a low power usage and are more sustainable. The college previously would recycle furniture when it would come to the end of its life cycle, but now instead we use an upcycling company to re-upholster and renew our old furniture to give it a new lease of life.

New Construction

The college has been very busy in the last 10 years creating new buildings and impeccable work spaces for staff and students. Whilst planning these projects sustainability has been taken into consideration by ensuring that BREAM of at least a good or higher for our new buildings. Cavity wall insulation and Solar panels have been installed on two of our newer buildings as a two pronged attack to make our buildings more sustainable by retaining heat and harnessing solar energy. We also have installed energy efficient boilers & VRF systems into our buildings and teaching spaces to ensure for comfort for teachers and students but also lowering our power usage. We also use presence detectors in corridors and classrooms for when lights are left on by accident they override and turn the lights off saving them from consuming more power than required. In the toilet areas we aim to save as much water as possible and we do this by installing systemisers and no concussive taps, both of these allow for the water wastage to be reduced. We have also been planning for the future by installing electrical vehicle charging stations.