



SUSTAINABILITY
DN COLLEGES GROUP

Streamlined Energy and Carbon Report (SECR) 2022-23

DN COLLEGES GROUP



Contents

Our Sustainability Approach	2
Carbon Summary	4
Action Plan Progress	8
Methodology	9

Introduction

This is the second Streamlined Energy and Carbon Report (SECR) produced by DN Colleges Group for the financial year 1st August 2022 to 31st July 2023. Prior year comparative information has been provided where it is available, and the College recognises it needs to improve its data collection for future reporting periods.

As we improve our data collection we will set and report on interim targets to ensure we are on track for achieving net zero carbon emissions by 2050.

The Companies (Directors Report) and Limited Liability Partnership (Energy and Carbon Report Regulations 2018) implement the Governments policy on Streamlined Energy and Carbon Reporting.

Whilst the College sits outside of the scope of the 2018 Regulations, the College has voluntarily prepared this report as it 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.

Our Sustainability Approach

Sustainability is embedded within our Group Strategic Plan 2020-23 with the strategic objective:

Cultivate and drive forward an ambitious whole college approach towards net-zero emissions and reducing environmental impact through innovation and collaboration.

To deliver this objective, the following actions have been identified:

- Positively engage staff and students in developing the College's sustainability agenda and embed climate responsibility into strategic planning, governance and staff development
- Deliver carbon literacy training to staff and students and train teaching staff to incorporate sustainability into the curriculum for all courses.
- Develop and promote recycling, reduce energy use and implement renewable energy and reduce emissions from travel to and from College sites.
- Identify and work with key partners, suppliers and communities to improve sustainable options and local biodiversity.
- Collect carbon footprint data and implement and develop measures and targets to monitor and promote sustainability achievements.

The Finance & Resources Committee receives regular reports and updates to review sustainability performance along with reviewing performance against actions identified in the Sustainability Strategy and Action Plan.



The Sustainability Strategy and Action Plan focuses on the following key themes:



Buildings



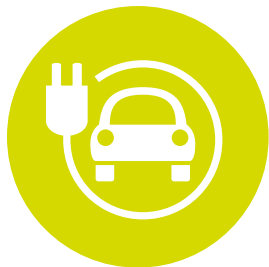
Energy



Water



Waste



**Travel and
Transport**



Paper



Biodiversity



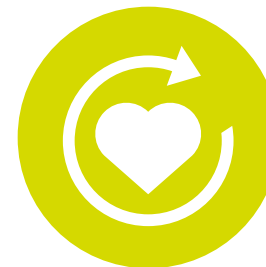
**Food and
Catering**



Teaching & Learning



**Finances and
Procurement**



**Stakeholder
Engagement**

Carbon Summary

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

In recent years the data is skewed due to the impact of Covid-19. The baseline period

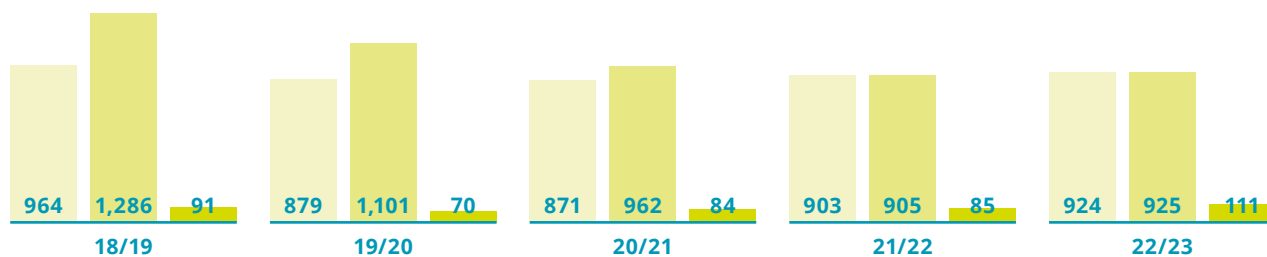
for all future target setting will be 2018-19. The Group has achieved a 16% reduction is CO₂e compared to the 2018/19 baseline, with a significant reduction in both Scope 1 and Scope 2 emissions. It is worth noting that this reduction also occurred at a time when the Group obtained and moved into

a new building, University Campus North Lincolnshire (UCNL), a 5,112 sqm. Premises. However, Scope 3 emissions have increased, primarily due to increased business travel by employees. The College continues to improve its reporting against Scope 1-3 emissions.

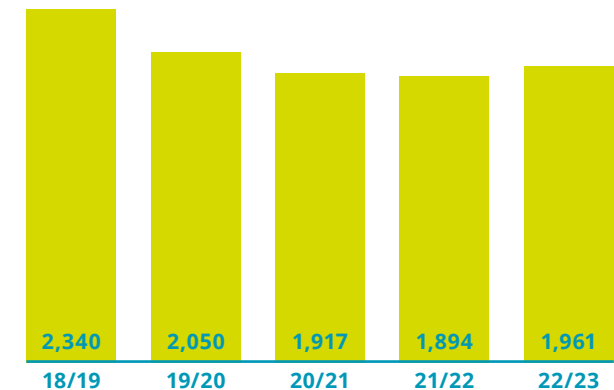
	2018/19	2019/20	2020/21	2021/22	2022/23
Scope 1 emissions in metric tonnes CO₂e					
Gas Consumption	859	812	852	856	889
College Owned Transport	104	67	19	47	35
Total Scope 1	964	879	871	903	924
Scope 2 emissions in metric tonnes CO₂e					
Purchased Electricity	1,286	1,101	962	905	925
Total Scope 2	1,286	1,101	962	905	925
Scope 3 emissions in metric tonnes CO₂e					
Water	21	18	4	5	6
Waste	-	-	40	4	11
Business Travel in employee-owned vehicles	38	29	28	59	76
Paper	32	23	12	17	18
Total Scope 3	91	70	84	85	111
Total gross emissions in metric tonnes CO₂e	2,340	2,050	1,917	1,894	1,961
Number of Staff (Headcount)	1,146	1,297	1,212	1,191	1,175
Intensity Ratio					
Tonnes CO₂e per member of staff	2.04	1.58	1.58	1.59	1.67

Total CO₂e by Academic Year

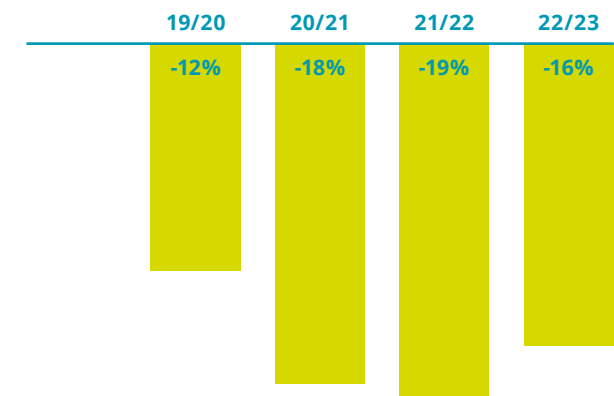
Key: ■ Total Scope 1 ■ Total Scope 2 ■ Total Scope 3



Total gross emissions in metric tonnes CO₂e



% Reduction compared to 2018/19



Annual Electricity Consumption

Annual Electricity Consumption (kWh)

Campus	2018/19	2019/20	2020/21	2021/22	2022/23
Doncaster College	3,387,596	2,629,205	2,689,621	2,959,475	2,629,231
North Lindsey College	1,326,666	1,361,899	1,323,423	1,516,300	1,595,458
High Melton	362,482	580,269	377,816	-	-
UCNL	N/A	215,620	195,447	260,098	280,191
Stainforth	34,815	11,923	15,014	17,822	36,379
Total kWh	5,111,559	4,798,916	4,601,321	4,753,695	4,541,260
Total Expenditure (£)	£735,759	£655,747	£719,974	£838,028	£1,500,606

Annual Electricity Consumption (CO₂e)

Campus	2018/19	2019/20	2020/21	2021/2	2022/23
Doncaster College	852	603	562	563	536
North Lindsey College	334	313	277	289	325
High Melton	91	133	79	-	-
UCNL	N/A	49	41	50	57
Stainforth	9	3	3	3	7
Total Tonnes CO₂e	1,286	1,101	962	905	925

Annual Electricity Consumption (kWh per m²)

Campus	2018/19	2019/20	2020/21	2021/22	2022/23
Doncaster College	95	74	76	83	74
North Lindsey College	51	52	51	58	61
High Melton	22	35	23	-	-
UCNL	N/A	42	38	51	55
Stainforth	53	18	23	27	55
Total (kWh per m²)	221	222	211	220	245

Annual Gas Consumption

Annual Gas Consumption (kWh)

Campus	2018/19	2019/20	2020/21	2021/22	2022/23
Doncaster College	2,328,552	2,169,734	1,914,571	1,698,235	1,970,558
North Lindsey College	2,359,186	1,536,572	2,382,579	2,267,699	2,310,414
High Melton	N/A	N/A	557	-	-
UCNL	N/A	725,319	373,464	788,674	655,092
Stainforth	59,929	55,923	56,321	72,022	83,202
Total kWh	4,747,667	4,487,548	4,727,492	4,826,630	5,019,265
Total Expenditure (£)	£158,718	£114,651	£268,832	£159,197	£528,663

Annual Gas Consumption (CO₂e)

Campus	2018/19	2019/20	2020/21	2021/22	2022/23
Doncaster College	421	393	345	301	349
North Lindsey College	427	278	430	402	409
High Melton	N/A	N/A	-	-	-
UCNL	N/A	131	67	140	116
Stainforth	11	10	10	13	15
Total Tonnes CO₂e	859	812	852	856	889

Annual Gas Consumption (kWh per m²)

Campus	2018/19	2019/20	2020/21	2021/22	2022/23
Doncaster College	65	60	53	47	54
North Lindsey College	91	59	92	87	89
High Melton	N/A	N/A	-	-	-
UCNL	N/A	142	73	154	128
Stainforth	74	69	69	89	102
Total (kWh per m²)	230	329	286	377	373



Water Use

Annual Water Consumption (m³)

Campus	2018/19	2019/20	2020/21	2021/22	2022/23
Doncaster College	8,781	6,593	3,701	4,551	8,237
North Lindsey College	9,394	7,746	4,502	5,352	7,464
High Melton	1,754	1,667	213	-	-
UCNL	N/A	733	526	1,640	710
Stainforth	N/A	N/A	N/A	N/A	-
Total m3	19,929	16,739	8,942	11,543	16,411
Total Expenditure (£)	£75,632	£85,812	£74,600	£88,287	

Annual Water Consumption (CO₂e)

Campus	2018/19	2019/20	2020/21	2021/22	2022/23
Doncaster College	9	7	2	2	3
North Lindsey College	10	8	2	2	3
High Melton	2	2	0	0	-
UCNL	N/A	1	0	1	0
Stainforth	N/A	N/A	N/A	N/A	N/A
Total Tonnes CO₂e	21	18	4	5	6



Waste

Annual Waste (Tonnes)

Campus	2020/21	2021/22	2022/23
Doncaster College			
Landfill Waste	30	-	3
Diverted from Landfill Waste	72	36	179
Recycled Waste	-	36	44
Total Waste	102	73	226
North Lindsey College			
Landfill Waste	49	4	6
Diverted from Landfill Waste	80	67	125
Recycled Waste	-	21	47
Total Waste	129	92	178
UCNL			
Landfill Waste	-	-	-
Diverted from Landfill Waste	4	10	11
Recycled Waste	-	-	-
Total Waste	4	10	11
Stainforth			
Landfill Waste	2	-	-
Diverted from Landfill Waste	-	1	4
Recycled Waste	-	-	-
Total Waste	2	1	4
Total Landfill Waste (Tonnes)			
	81	4	9
Total Diverted Waste (Tonnes)			
	156	114	319
Total Recycled Waste (Tonnes)			
	-	57	91
Total Waste (Tonnes)			
	237	176	419
Total Tonnes CO₂e			
	40	4	11



Transport

	2018/19	2019/20	2020/21	2021/22	2022/23
Mileage					
Group Owned Vehicles	366,400	243,054	67,398	172,558	133,183
Employee-Owned Vehicles	132,595	105,954	101,698	214,540	284,083
Total Miles Travelled	498,995	349,008	169,096	387,098	417,266
Tonnes CO₂e Emissions					
Group Owned Vehicles	104	67	19	47	35
Employee-Owned Vehicles	38	29	28	59	76
Total Tonnes CO₂e	142	96	47	106	111



Paper

Paper consumption

	2018/19	2019/20	2020/21	2021/22	2022/23
Paper consumption					
Sheets	7,223,714	5,111,706	2,790,653	3,572,350	3,821,144
Trees Consumed	90	64	35	49	51
Tonnes CO₂e Emissions	32	23	12	17	18



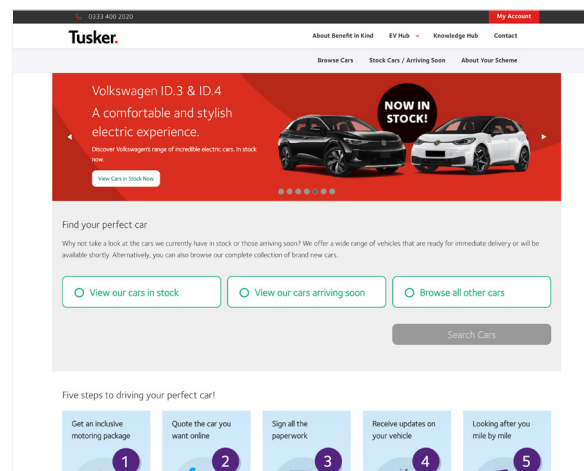
Action Plan Progress

The following actions were commenced or implemented in 2022-23:

- Two new electric vans were delivered to start the electrification of the College transport, with orders placed to replace the existing pool car fleet in 2023/24.
- Electric vehicle charging stations installed.
- Further take up of employer electric vehicle salary sacrifice scheme.
- The College continues to engage with local initiatives, and was involved with 'Environmental Pride', a project where local communities can bid for funding for sustainable community projects.
- Re-tendered and awarded new energy contracts with 100% renewable energy, and achieving cost savings of £320k per annum.
- A new cycle shelter was installed at the Doncaster Hub campus following receipt of a grant from Doncaster Council.
- Work commenced to re-develop the Doncaster Hub campus, with a £3.4m investment to support T-level delivery and £3.6m investment to create the South Yorkshire Institute of Technology. Works included the upgrading of lighting to LED lighting and move to air source heat pumps.
- A £3.6m investment to replace part of the Doncaster Hub campus upgraded the external fabric of the building and insulation.
- 'Green' investment deposit accounts were opened and surplus cash balances were invested.



One of the new electric vans and electric charging station



Employer electric vehicle salary sacrifice scheme



The new cycle shelter 'The Cycle Hub' at Doncaster College

Methodology

We have followed the 2019 HM Government Environmental Reporting Guidelines. We have also used the GHG Reporting Protocol – Corporate Standard and have used the 2021 UK Government’s Conversion Factors for Company Reporting.

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

Emissions have been calculated and reported in accordance with their individual scope and classification resulting predominantly from acting as supporting infrastructure for the delivery of the College’s core activities of teaching and learning, with a small contribution which could be deemed applicable to commercial activity.

The electricity and gas energy use were compiled from invoices. Where invoices were unavailable, the data was extrapolated to cover the missing period (pro-rata method) or based on historic consumption for a similar period (direct comparison method).

In circumstances where recorded data is not available a justifiable method of estimation has been applied based on the context of use and end user knowledge.

Transport fuel expressed as energy consumption and highlighted as kWh output refers to a calculated contribution from in house fleet vehicles, where known engine capacity, recorded mileage and estimated use has been used.

Scope 3 emissions (business travel) calculated in metric tons of CO₂e have been based on an overall mileage figure taken from staff mileage claims paid within the qualifying period using the appropriate conversion figure.