



**SUSTAINABILITY**  
DN COLLEGES GROUP

# Streamlined Energy and Carbon Report (SECR) 2023-24

**DN COLLEGES GROUP**





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## Introduction

**This is the THIRD Streamlined Energy and Carbon Report (SECR) produced by DN Colleges Group for the financial year 1st August 2023 to 31st July 2024. 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 2023-28 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**



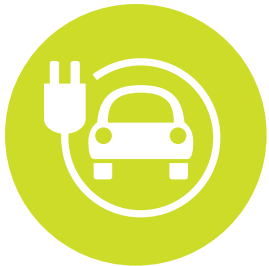
**Energy**



**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 CO<sub>2</sub>e per staff member, the recommended ratio for the sector.

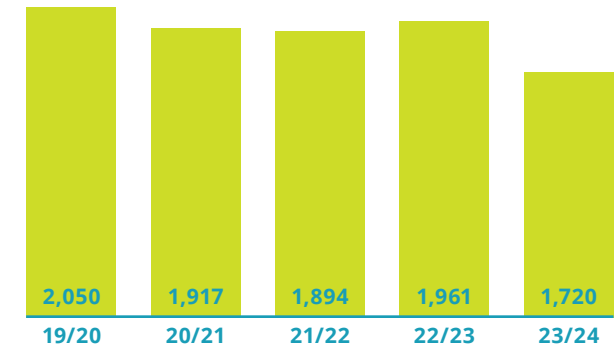
In recent years the data is skewed due to the impact of Covid-19. The baseline period

for all future target setting will be 2018-19. The Group has achieved a 26% reduction in CO<sub>2</sub>e 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

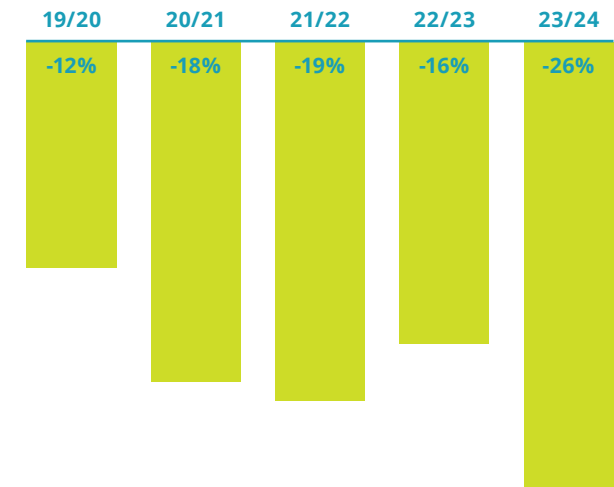
a new building, University Campus North Lincolnshire (UCNL), a 5,112 sqm. However, Scope 3 emissions have increased, with increased water usage and business travel in employee vehicles. The College continues to improve its reporting against Scope 1-3 emissions.

	2019/20	2020/21	2021/22	2022/23	2023/24
<b>Scope 1 emissions in metric tonnes CO<sub>2</sub>e</b>					
Gas Consumption	812	852	856	889	717
College Owned Transport	67	19	47	35	26
<b>Total Scope 1</b>	<b>879</b>	<b>871</b>	<b>903</b>	<b>924</b>	<b>743</b>
<b>Scope 2 emissions in metric tonnes CO<sub>2</sub>e</b>					
Purchased Electricity	1,101	962	905	925	865
<b>Total Scope 2</b>	<b>1,101</b>	<b>962</b>	<b>905</b>	<b>925</b>	<b>865</b>
<b>Scope 3 emissions in metric tonnes CO<sub>2</sub>e</b>					
Water	18	4	5	6	8
Waste	-	40	4	11	8
Business Travel in employee-owned vehicles	29	28	59	76	78
Paper	23	12	17	18	18
<b>Total Scope 3</b>	<b>70</b>	<b>84</b>	<b>85</b>	<b>111</b>	<b>112</b>
<b>Total gross emissions in metric tonnes CO<sub>2</sub>e</b>	<b>2,050</b>	<b>1,917</b>	<b>1,894</b>	<b>1,961</b>	<b>1,720</b>
Number of Staff (Headcount)	1,297	1,212	1,191	1,175	1,140
<b>Intensity Ratio</b>					
<b>Tonnes CO<sub>2</sub>e per member of staff</b>	<b>1.58</b>	<b>1.58</b>	<b>1.59</b>	<b>1.67</b>	<b>1.51</b>

Total gross emissions in metric tonnes CO<sub>2</sub>e

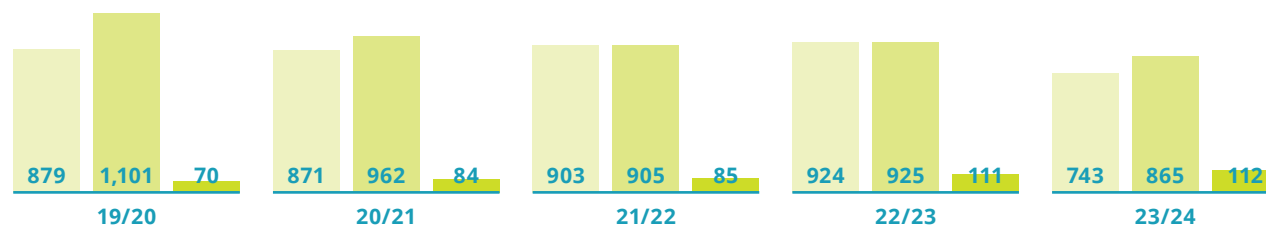


% Reduction compared to 2018/19



Total CO<sub>2</sub>e by Academic Year

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





## Energy Use

### Annual Electricity Consumption

#### Annual Electricity Consumption (kWh)

Campus	2019/20	2020/21	2021/22	2022/23	2023/24
Doncaster College	2,629,205	2,689,621	2,959,475	2,629,231	2,532,261
North Lindsey College	1,361,899	1,323,423	1,516,300	1,595,458	1,418,512
High Melton	580,269	377,816	-	-	-
UCNL	215,620	195,447	260,098	280,191	272,732
Stainforth	11,923	15,014	17,822	36,379	17,277
<b>Total kWh</b>	<b>4,798,916</b>	<b>4,601,321</b>	<b>4,753,695</b>	<b>4,541,260</b>	<b>4,240,782</b>
<b>Total Expenditure (£)</b>	<b>£655,747</b>	<b>£719,974</b>	<b>£838,028</b>	<b>£1,500,606</b>	<b>£1,372,551</b>

#### Annual Electricity Consumption (CO<sub>2</sub>e)

Campus	2019/20	2020/21	2021/2	2022/23	2023/24
Doncaster College	603	562	563	536	516
North Lindsey College	313	277	289	325	289
High Melton	133	79	-	-	-
UCNL	49	41	50	57	56
Stainforth	3	3	3	7	4
<b>Total Tonnes CO<sub>2</sub>e</b>	<b>1,101</b>	<b>962</b>	<b>905</b>	<b>925</b>	

#### Annual Electricity Consumption (kWh per m<sup>2</sup>)

Campus	2019/20	2020/21	2021/22	2022/23	2023/24
Doncaster College	74	76	83	74	71
North Lindsey College	52	51	58	61	55
High Melton	35	23	-	-	-
UCNL	42	38	51	55	53
Stainforth	18	23	27	55	26
<b>Total (kWh per m<sup>2</sup>)</b>	<b>222</b>	<b>211</b>	<b>220</b>	<b>245</b>	<b>205</b>

### Annual Gas Consumption

#### Annual Gas Consumption (kWh)

Campus	2019/20	2020/21	2021/22	2022/23	2023/24
Doncaster College	2,169,734	1,914,571	1,698,235	1,970,558	1,480,444
North Lindsey College	1,536,572	2,382,579	2,267,699	2,310,414	1,920,111
High Melton	N/A	557	-	-	-
UCNL	725,319	373,464	788,674	655,092	510,005
Stainforth	55,923	56,321	72,022	83,202	67,397
<b>Total kWh</b>	<b>4,487,548</b>	<b>4,727,492</b>	<b>4,826,630</b>	<b>5,019,265</b>	<b>3,977,957</b>
<b>Total Expenditure (£)</b>	<b>£114,651</b>	<b>£268,832</b>	<b>£159,197</b>	<b>£528,663</b>	<b>£313,393</b>

#### Annual Gas Consumption (CO<sub>2</sub>e)

Campus	2019/20	2020/21	2021/22	2022/23	2023/24
Doncaster College	393	345	301	349	267
North Lindsey College	278	430	402	409	346
High Melton	N/A	-	-	-	-
UCNL	131	67	140	116	92
Stainforth	10	10	13	15	12
<b>Total Tonnes CO<sub>2</sub>e</b>	<b>812</b>	<b>852</b>	<b>856</b>	<b>889</b>	<b>717</b>

#### Annual Gas Consumption (kWh per m<sup>2</sup>)

Campus	2019/20	2020/21	2021/22	2022/23	2023/24
Doncaster College	60	53	47	54	41
North Lindsey College	59	92	87	89	74
High Melton	N/A	-	-	-	-
UCNL	142	73	154	128	100
Stainforth	69	69	89	102	83
<b>Total (kWh per m<sup>2</sup>)</b>	<b>329</b>	<b>286</b>	<b>377</b>	<b>373</b>	<b>297</b>



## Water Use

### Annual Water Consumption (m<sup>3</sup>)

Campus	2019/20	2020/21	2021/22	2022/23	2023/24
Doncaster College	6,593	3,701	4,551	8,237	8,745
North Lindsey College	7,746	4,502	5,352	7,464	12,789
High Melton	1,667	213	-	-	-
UCNL	733	526	1,640	710	2,231
Stainforth	N/A	N/A	N/A	-	-
<b>Total m3</b>	<b>16,739</b>	<b>8,942</b>	<b>11,543</b>	<b>16,411</b>	<b>23,765</b>
<b>Total Expenditure (£)</b>	<b>£85,812</b>	<b>£74,600</b>	<b>£88,287</b>		

### Annual Water Consumption (CO<sub>2</sub>e)

Campus	2019/20	2020/21	2021/22	2022/23	2023/24
Doncaster College	7	2	2	3	3
North Lindsey College	8	2	2	3	4
High Melton	2	0	0	-	-
UCNL	1	0	1	0	1
Stainforth	N/A	N/A	N/A	N/A	-
<b>Total Tonnes CO<sub>2</sub>e</b>	<b>18</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>



## Waste

### Annual Waste (Tonnes)

Campus	2020/21	2021/22	2022/23	2023/24
<b>Doncaster College</b>				
Landfill Waste	30	-	3	3
Diverted from Landfill Waste	72	36	179	164
Recycled Waste	-	36	44	44
<b>Total Waste</b>	<b>102</b>	<b>73</b>	<b>226</b>	<b>211</b>
<b>North Lindsey College</b>				
Landfill Waste	49	4	6	9
Diverted from Landfill Waste	80	67	125	98
Recycled Waste	-	21	47	71
<b>Total Waste</b>	<b>129</b>	<b>92</b>	<b>178</b>	<b>178</b>
<b>UCNL</b>				
Landfill Waste	-	-	-	-
Diverted from Landfill Waste	4	10	11	15
Recycled Waste	-	-	-	-
<b>Total Waste</b>	<b>4</b>	<b>10</b>	<b>11</b>	<b>15</b>
<b>Stainforth</b>				
Landfill Waste	2	-	-	-
Diverted from Landfill Waste	-	1	4	6
Recycled Waste	-	-	-	-
<b>Total Waste</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>6</b>
<b>Total Landfill Waste (Tonnes)</b>	<b>81</b>	<b>4</b>	<b>9</b>	<b>12</b>
<b>Total Diverted Waste (Tonnes)</b>	<b>156</b>	<b>114</b>	<b>319</b>	<b>283</b>
<b>Total Recycled Waste (Tonnes)</b>	<b>-</b>	<b>57</b>	<b>91</b>	<b>115</b>
<b>Total Waste (Tonnes)</b>	<b>237</b>	<b>176</b>	<b>419</b>	<b>410</b>
<b>Total Tonnes CO<sub>2</sub>e</b>	<b>40</b>	<b>4</b>	<b>11</b>	<b>8</b>





## Transport

	2019/20	2020/21	2021/22	2022/23	2023/24
<b>Mileage</b>					
Group Owned Vehicles	243,054	67,398	172,558	133,183	121,475
Employee-Owned Vehicles	105,954	101,698	214,540	284,083	291,653
<b>Total Miles Travelled</b>	<b>349,008</b>	<b>169,096</b>	<b>387,098</b>	<b>417,266</b>	<b>413,128</b>
<b>Tonnes CO<sub>2</sub>e Emissions</b>					
Group Owned Vehicles	67	19	47	35	26
Employee-Owned Vehicles	29	28	59	76	78
<b>Total Tonnes CO<sub>2</sub>e</b>	<b>96</b>	<b>47</b>	<b>106</b>	<b>111</b>	<b>105</b>



## Paper

### Paper consumption

	2019/20	2020/21	2021/22	2022/23	2023/24
<b>Paper consumption</b>					
Sheets	5,111,706	2,790,653	3,572,350	3,821,144	3,014,211
Trees Consumed	64	35	49	51	38
<b>Tonnes CO<sub>2</sub>e Emissions</b>	<b>23</b>	<b>12</b>	<b>17</b>	<b>18</b>	<b>18</b>



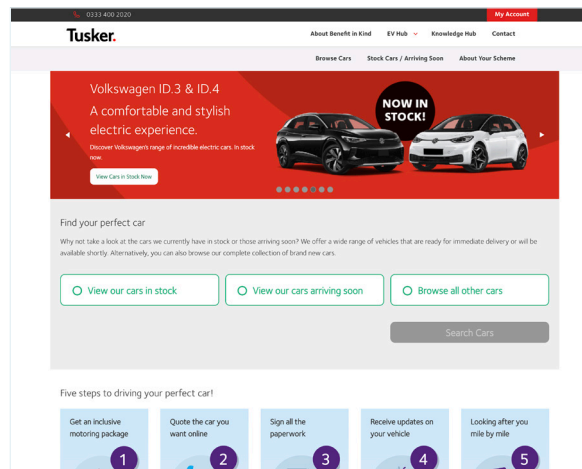
# Action Plan Progress

The following actions were commenced or implemented in 2023-24:

- Further electrification of the College transport, with electric vehicles delivered to replace the existing pool car and van fleet.
- Further take up of employer electric vehicle salary sacrifice scheme.
- North Lindsey Campus redevelopment commenced that will be Net Zero in Operation once complete.
- De-carbonisation strategy costed for Doncaster.
- Repairs to the Concrete cladding works at UCNL were completed improving the fabric of the building. A DNO application was submitted to install PV Panels at UCNL also.
- Doncaster Hub roof repair completed. Insulation has been upgraded as part of this works.
- Installed local VRF units in the newly refurbished IOT space and IT suits at Doncaster which moved to electrified heat and reduced the cooling required.
- Ground Source Heat Pumps commissioned and operational at North Lindsey Campus.
- Waste Management and Recycling contracts re-tendered. Recycling bins delivered to sites ready for a marketing launch.
- Re-tendered and awarded new energy contracts with 100% renewable energy, and achieving additional annual savings.
- Continued investment in 'Green' investment deposit accounts with surplus cash reserves.
- Outdoor wooden gazebo installed at NLC to promote sustainability in the woodland project and future learner entitlement project.
- Doncaster Hub hosted a Dragons Den event on 12/03/24, where 42 applications were received and considered by the panel in conjunction with DMBC and ST Ledger Homes for volunteering projects within the community. The College offered support for all initiatives where possible in conjunction with Doncaster Council and the community groups. Summary from the Curriculum Lead was it has been an excellent community engagement project.



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 2024 UK Government’s Conversion Factors for Company Reporting.**

The chosen intensity measurement ratio is total gross emissions in metric tonnes CO<sub>2</sub>e 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 CO<sub>2</sub>e have been based on an overall mileage figure taken from staff mileage claims paid within the qualifying period using the appropriate conversion figure.