Public Bodies Climate Change Duties Compliance Reporting Template 2022/23

1. Overview

This template is provided for public bodies required to report annually in accordance with the Climate Change (Duties of Public Bodies Reporting Requirements) (Scotland) Order 2015, as amended by the Climate Change (Duties of Public Bodies: Reporting Requirements) (Scotland) Amendment Order 2020 which took effect for reporting periods commencing on or after 1 April 2021.
Reports must be submitted to **ccreporting@ed.ac.uk by 30th November**. Late submissions will not be accepted for analysis and may be deemed non-compliant with Public Bodies Duties reporting requirements.

2. Guidance

1. The "Profile of Body" tab must be completed before proceeding to add any other data.

2. Question 1f must be completed to ensure the correct emission factors are applied in Q3b.

3. If you need to add more rows in any table please email the file ccreporting@ed.ac.uk

4. More emission factors from the UK Government (DESNZ) release have been included this year. When completing Q3b you can filter by the Emission Type dropdown in column C.

5. Please only use the "Other" emission source rows (130 onwards) when there is no relevant emission source in the dropdown lists or if you have bespoke data/emission factors. Please provide a brief explanation in the comment field.

6. The water supply and sewage emission factors are based on Scottish Water's carbon intensities of service supply, one of the lowest in the UK water industry. If you still wish to use the UK DESNZ (formerly BEIS) factors (which are more than double) you will need to enter consumption data in an "Other" row.

7. Some auto-checks have been added to improve the quality of data entries, e.g. correct emission scopes where only one category ever applies.

8. More detailed reporting guidance is available   on the SSN website.

3. Colour Coding used in the template

	Dropdown box - select from list of options
	Uneditable/fixed entry cell
	Editable cell

Public Sector Report on Compliance with Climate Change Duties 2023 Template

PART 1 Profile of Reporting Body

1a Name of reporting body
Provide the name of the listed body (the "body") which prepared this report.

Glasgow Kelvin College

1b Type of body
Select from the options below

Educational Institution

1c Highest number of full-time equivalent staff in the body during the report year

479 THIS MUST BE COMPLETED

1d Metrics used by the body
Specify the metrics that the body uses to assess its performance in relation to climate change and sustainability.

Metric	Units	Value	Comments
Floor area	m2	31867	Springburn Campus- 18715m2; Easterhouse Campus - 4771m2; East End Campus - 6459m2; West End Campus - 1922m2
Number of full-time equivalent students	number FTS	4275	The College enrolled 18,000 FT & PT learners in 2022/23 of which 13,000 were fundable. (4275 equates to numbers of FE and HE full-time students).
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			

1e Overall budget of the body
Specify approximate £/annum for the report year.

Budget	Budget Comments
£32,684,000	

1f Report type
Specify the report year type

Report type	Report year comments	
Academic	2022-23	THIS MUST BE COMPLETED

1g Context
Provide a summary of the body's nature and functions that are relevant to climate change reporting.

Glasgow Kelvin College is an FE institution based in the North and East of Glasgow. During academic year 2022/23, the College enrolled 18,000 full and part time learners, 64% of whom reside in the Glasgow area.The College seeks to manage its own impact on the environment and a number of its teaching and learning programmes incorporate climate change and environmental sustainability related topics, particularly in the Science, Construction and Engineering departments.The College publishes an Annual Report which describes the full range of activities and also the mission/vision of Glasgow Kelvin College in detail. The College also operates an Estates and Sustainability Working Group who meet at least 3 times over the course of the academic year to review all actions related to Estates and Environmental Sustainability. An Estates and Sustainability Strategy is also prepared by the College, which focuses on key actions to be taken that relate to reducing the environmental impact of the College buildings. Additionally, the College's Finance and Resources Board Committee receives regular reports in relation to both estates and sustainability and reviews the progress being made.

PART 2 Governance, Management and Strategy

Governance and management

2a **How is climate change governed in the body?**

Provide a summary of the roles performed by the body's governance bodies and members in relation to climate change. If any of the body's activities in relation to climate change sit outside its own governance arrangements (in relation to, for example, land use, adaptation, transport, business travel, waste, information and communication technology, procurement or behaviour change), identify these activities and the governance arrangements. Provide a diagram / chart to outline the governance structure within the body.

The Board of Management are responsible for oversight of the strategic direction of the College and setting the Strategic Plan. Two of the ambitions and priorities are achieving financial sustainability and maintaining strong and effective governance and addressing our climate emergency – act, educate & engage. Corporate and Social Responsibility (CSR) is also an important priority for the Board and the College reports in detail on its activities which contribute to the CSR agenda and have a positive impact on the communities served by the College. The College prepared its first integrated Climate Change Action Plan and Estates Strategy in 2015 and has successfully implemented this. The targets set in that document which were to reduce carbon emissions by 25% over two years have been far exceeded. The College is now able to report a 61% reduction in its carbon emissions since the baseline report of 2014-15.

The Estates and Sustainability Working Group are tasked with monitoring and improving the overall environmental and sustainability performance of the College. The group recommends carbon reduction and sustainable development projects to the Senior Managment Team. Responsibility for oversight of capital investment in Estates is delegated to the Finance and Resources Committee (FRC). The FRC review capital spending plans and the Estates and Sustainability Strategy prior to consideration by the Board of Management.The Board are committed to addressing the Climate Emergency and support the College's ambitious agenda on climate change.

<Insert Diagram Here or Attach File>

2b **How is climate change action managed and embedded in the body?**

Provide a summary of how decision-making in relation to climate change action by the body is managed and how responsibility is allocated to the body's senior staff, departmental heads etc. If any such decision-making sits outside the body's own governance arrangements (in relation to, for example, land use, adaptation, transport, business travel, waste, information and communication technology, procurement or behaviour change), identify how this is managed and how responsibility is allocated outside the body. Provide a diagram to show how responsibility is allocated to the body's senior staff, departmental heads etc.

The Principal has overall responsibility for the management of the College. The Vice Principal - Operations has overall responsibility for Climate Change and Climate Change Reporting. The Director of Estates and Corporate Services Chairs the Estates and Sustainability Working Group which meets three times per year and line manages the Head of Facilities and Environmental Sustainability (who has operational responsibility for the College Estate, Estate team and vehicle fleet). The College appointed an Environmental and Sustainability Manager in June 2022. The postholder is responsible for developing student and staff engagement with the issue of environmental sustainability through a range of activities including: embedding sustainability within the curriculum, environmental campaigns and events, managing projects aimed at improving active travel and sustainable practices, applying for grant funding and seeking to raise the profile of sustainability at the College through internal and external communications and applications for awards.

The VP, Director of Estates and Corporate Services and Head of Facilities and Environmental Sustainability have strategic and operational responsibility for Environmental Sustainability. The VP also has responsibility for Procurement and Finance which helps ensure sustainability is embedded within other key corporate processes, procedures and strategies. The College operates from a number of community venues where it provides learning and teaching but does not directly manage the property, the College does not report on the carbon emissions generated at these venues. The financial context facing the College and the FE sector remains extremely challenging reducing resources available for addressing climate change and investing in the College Estates and other climate change / sustainability projects. Despite this, Glasgow Kelvin College has responded to the Climate Change and environmental sustainability policy agenda in a proactive way within the envelope of resources available to it.

<Insert Diagram Here or Attach File>

Strategy

2c **Does the body have specific climate change mitigation and adaptation objectives in its corporate plan or similar document?**

Provide a brief summary of objectives if they exist.

Wording of objective	Name of document	Document Link
Address our Climate Emergency - Act, Educate and Engage.	Strategic Plan 2022-2027	https://www.glasgowkelvin.ac.uk/plans-and-strategies/
The Risk Management Framework outlines how the College manages and considers risk, how it identifies internal/external or environmental risks that it faces, evaluates these risks and mitigates them as appropriate.	Risk Management Framework	https://www.glasgowkelvin.ac.uk/plans-and-strategies/
We will address climate change in the development and maintenance of our estate, seeking to engage new methods and technologies to assist in reducing our carbon footprint.	Estates and Sustainability Strategy	https://www.glasgowkelvin.ac.uk/plans-and-strategies/
The aim of this document is to map out Glasgow Kelvin College's interim and longer-term strategies to reduce our climate impact and to address the implications of the already changing climate. To achieve this plan, specific actions, and targets will need to be realised in the short and long term	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/more/about-us/estates-and-sustainability/climate-change-reporting/
The aim of this document is to map out Glasgow Kelvin College's interim and longer-term strategies to reduce our climate impact and achieve Net Zero. To achieve this plan, specific actions, and targets will need to be realised in the short and long term.	Race to Zero Action Plan	https://www.glasgowkelvin.ac.uk/more/about-us/estates-and-sustainability/climate-change-reporting/
The operational plan sets out the annual department or faculty operating priorities, to facilitate the delivery of the ambitions and priorities set out in the College strategy 2022-27.	Corporate Services Operational Plan	https://glasgowkelvin-my.sharepoint.com/:b:/g/personal/morventhomson_glasgowkelvin_ac_uk/EYo2-vvTG_hNmuPgMO4IVUgB0fZWOXkiGCOXorbg4Yyk0g?e=SylohO
The Corporate and Operational Services Strategy aims to cover a number of areas which falls within this arena, i.e. Risk Management; Communications, Marketing and Stakeholder Engagement; Information Security, Business Development; and Compliance and Governance.	Corporate and Operational Services Strategy	https://www.glasgowkelvin.ac.uk/media/idmhf50g/corporate-and-operational-services-strategy-review-date-december-2027.pdf

2d Does the body have a climate change plan or strategy?

If yes, provide the name of any such document and details of where a copy of the document may be obtained or accessed.

Climate Change Action Plan' and 'Estates and Sustainability Strategy' available at: https://www.glasgowkelvin.ac.uk/sustainability-estates/

2e Does the body have any plans or strategies covering the following areas that include climate change?

Provide the name of any such document and the timeframe covered.

Topic area	Name of document	Link	Time period covered	Comments
Adaptation	Estates and Susainability Strategy	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The Estates and Sustainability Strategy and associated capital investment plan continue to prioritise the maintenance and repair of internal and external building operational features, including groundwater drainage systems, and works to ensure buildings remain watertight and are maintained for long term use.
Business travel	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		International trips undertaken by College staff and learners remain relatively few in number. The College has a long-term student/staff exchange programme with Don State Technical University in Rostov on Don, Russia. Also, a project with the British Council in India seeks to improve employability skills for individuals with disability in the UK and India.
Staff Travel	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The College is continuing to develop its cycling facilities and encouraging active travel to try to reduce staff reliance on cars. The College was successful in securing funding from the Energy Saving Trust to purchase 3 electric assisted bikes. Based on recent staff surveys and one-to-one interviews, there is growing interest in using the bikes for inter-campus travel. It is recognised that achieving such behaviour change is likely to take several years. An electric seven seater people carrier is available to facilitate staff inter-campus travel.
Energy efficiency	Estates and Sustainability Strategy	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The College has installed a Building Energy Management System which assists with accurate reporting, highlighting quickly any problem areas and reducing energy wastage. Automatic Meter Readers have also been installed.
Fleet transport	Estates and Sustainability Strategy	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The College is operating two electric vehicles (one van and a seven seater people carrier) which will help replace it's ageing fleet of diesel vans and facilitate inter-campus transport
ICT	ICT Digital Transformation Strategy	https://www.glasgowkelvin.ac.uk/sustainability-estates/		Extensive use of video conferencing facilities has reduced the need for personal travel between campuses for meetings. Hybrid classroom delivery is a feature of the student timetable and reduces power usage and travel requirements. All desktop computers are scheduled to power down every evening and weekend to reduce power consumption. In recent years, the ICT department has contributed to reducing carbon emissions through:- implementation of Server Virtualisation; - replacing older high power usage PCs with efficient low-power usage PCs; replacement of component parts of a PC rather than replace the whole PC; - moving systems and data to the cloud where it can be more efficiently stored; and reducing the number of data centres. Considerable work has been undertaken to digitise paper-based process to improve workflow and reduce printing costs, including paper, power and consumables. When considering disposal of fixed ICT assets, we firstly re-use internally where possible and if not, we work closely with a third party supplier to offer devices to local charities for re-distribution, and then to dispose of sustainably in compliance with the WEEE directive. Sustainability awareness is embedded into decision making within ICT. This includes procurement by the inclusion of a sustainability weighting into tender competitions and day-to-day ICT e.g. configuration of endpoint screensavers. Sustainability is a key factor in working with our main hardware supplier, Hewlett Packard. ICT systems will also be used as a basis for the communication of College sustainability targets.
Renewable energy	Estates and Sustainability Strategy; and Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		Successful funding application made to Scottish Central Government Energy Efficiency Scheme. £2.6m was awarded to the College to deliver a number of projects including: restoration of the Wind Turbing at Easterhouse campus; eastablishment of an air source heat pump at Springburn campus; construction of Solar PV panels at Springburn and Easterhouse campuses; and extension of LED lighting at Easterhouse campus.
Sustainable/renewable heat	Estates and Sustainability Strategy; and Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The College has recently installed energy efficient boilers. More are being planned for other Campuses as part of the capital improvement programme.
Waste management	Estates and Sustainability Strategy; and Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The College has a waste management contract in place. Data provided has indicated the environmental benefits (with respect to carbon emissions) and improved recycling rates at the College over the past academic year.
Water and sewerage	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		Ongoing work undertaken with Anglian Water (Wave) has helped to assist in identifying drainage issues, leaking pipes/cisterns leading to reduced water consumption. The College has a rainwater harvesting system in one campus which is not operational.
Land Use	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The College has continued to secure funding to enable development of its green spaces, such as planting of trees and other items pertaining to teaching and learning.
Other (please specify in comments)	Race to Zero Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates/		The aim of this document is to map out Glasgow Kelvin College's interim and longer-term strategies to reduce our climate impact and to address the implications of the already changing climate. To achieve this plan, specific actions, and targets will need to be realised in the short and long term
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				

Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				
Please select from drop down box				

2f **What are the body's top 5 priorities for climate change governance, management and strategy for the year ahead?**

Provide a brief summary of the body's areas and activities of focus for the year ahead.

The College fully recognises the leadership role it can play in respect of the community it serves and the ability to showcase the work undertaken for the benefit of Glasgow as a whole. The initiatives that the College would wish to take forward are part of the strategic approach the College takes in addressing the UN Sustainable Development Goals and are as follows:

Continue to maintain the College estate;
Progress with the projects planned under the £2.6m grant award to the College under the Scottish Government Energy Efficiency Grant Scheme;
Complete the implementation of the Green Academy at the College;
Progress the sale or lease of the College's West campus;
Continue to inspire and encourage staff and students to continue to adopt environmentally sustainable ways of learning, teaching, working and living.

2g **Has the body used the Climate Change Assessment Tool (a) or equivalent tool to self-assess its capability / performance?**

If yes, please provide details of the key findings and resultant action taken.

(a) This refers to the tool developed by Resource Efficient Scotland for self-assessing an organisation's capability / performance in relation to climate change.

The College used the Climate Change Assessment Tool (CCAT) to shape the Estates and Sustainability Strategy and the Climate Change Action Plan.

Further information

2h **Supporting information and best practice**

Provide any other relevant supporting information and any examples of best practice by the body in relation to governance, management and strategy.

The College is delighted to report that, in total, annual carbon emissions have continued to reduce and, for academic year 2022/23, have reduced to 1,289 tonnes tCO2e which is a further reduction in comparison with 2021/22. Since the base the baseline submission of 2014-15, the College's carbon emissions have reduced by 61%. The College has published its Climate Change Report on its website, this provides further detail on emissions.
The College has undertaken a number of projects to manage its environmental impact more effectively. Highlights include:
• Electric lease vehicles in place to replace ageing diesel vehicles.
• The replacement of boilers across the campus with new energy efficient versions.
• The introduction of Building Energy Management System (BMS).
• The replacement of standard lighting fixtures with energy efficient LEDs.
• Vehicle rapid charging units have been installed.

PART 3 | **Corporate Emissions, Targets and Project Data**

Emissions

3a

Emissions from the start of the year which the body uses as a baseline (for its carbon footprint) to the end of the report year

Complete the following table using the greenhouse gas emissions total for the body calculated on the same basis as for its annual carbon footprint / management reporting or, where applicable, its sustainability reporting. Include greenhouse gas emissions from the body's estate and operations (a) (measured and reported in accordance with Scopes 1 & 2 and, to the extent applicable, selected Scope 3 of the Greenhouse Gas Protocol (b). If data is not available for any year from the start of the baseline year to the end of the report year, provide an explanation in the comments column.

(a) No information is required on the effect of the body on emissions which are not from its estate and operations.

(b) This refers to "The greenhouse gas protocol. A corporate accounting and reporting standard (revised edition)", World Business Council for Sustainable Development, Geneva, Switzerland / World Resources Institute, Washington DC, USA (2004), ISBN: 1-56973-568-9.

ENSURE QUESTION 1f IS COMPLETED BEFORE STARTING THIS SECTION, THEN SELECT APPROPRIATE BASELINE YEAR. TOTAL EMISSIONS IN THE MOST RECENT FOOTPRINT YEAR IN THIS QUESTION SHOULD EQUAL TOTAL EMISSIONS IN Q3B

Reference year	Year	Year type	Scope 1	Scope 2	Scope 3	Total	Units	Comments
Baseline Year	2014/15	Academic	1,237	1,913	107	3,257.00	tCO₂#	
Year 1 carbon footprint	2015/16	Academic	1,132	1,369	116	2,617.00	tCO₂#	
Year 2 carbon footprint	2016/17	Academic	754	1,021	99	1,874.00	tCO₂#	
Year 3 carbon footprint	2017/18	Academic	826	837	132	1,795.00	tCO₂#	
Year 4 carbon footprint	2018/19	Academic	790	701	114	1,605.00	tCO₂#	
Year 5 carbon footprint	2019/20	Academic	804	549	109	1,462.00	tCO₂#	
Year 6 carbon footprint	2020/21	Academic	939	475	177	1,591.10	tCO₂#	Two new categories added for 2020-21: Electricity (transmission and distribution loss) and Homeworking.
Year 7 carbon footprint	2021/22	Academic	773	426	195	1,394.30	tCO₂#	
Year 8 carbon footprint	2022/23	Academic	770	454	65	1,289.00	tCO₂#	
Year 9 carbon footprint	0	Academic				-	tCO₂#	
Year 10 carbon footprint	0	Academic				-	tCO₂#	
Year 11 carbon footprint	0	Academic				-	tCO₂#	
Year 12 carbon footprint	0	Academic				-	tCO₂#	
Year 13 carbon footprint	0	Academic				-	tCO₂#	
Year 14 carbon footprint	0	Academic				-	tCO₂#	
Year 15 carbon footprint	0	Academic				-	tCO₂#	
Year 16 carbon footprint	0	Academic				-	tCO₂#	
Year 17 carbon footprint	0	Academic				-	tCO₂#	

3b

Breakdown of emissions sources

Complete the following table with the breakdown of emission sources from the body's most recent carbon footprint (greenhouse gas inventory); this should correspond to the last entry in the table in 3(a) above. Use the 'Comments' column to explain what is included within each category of emission source entered in the first column. If there is no data consumption available for an emission source enter the emissions in kgCO2e in the 'Consumption' column of one of the "Other" rows and assign the scope and an emission factor of 1.

(a) Emissions factors are published annually by the UK Department for Business, Energy & Industrial Strategy

Emission Factor Year | 2023 | The emission factor year is auto-assigned based on your answer to Q1f, if it is incorrect please contact SSN.

You can now filter emission sources by "type" in column C to enable quicker selection of emission source in column D.
User defined emission sources can be entered in rows 130 onwards. Please only use these if you cannot find a relevant emission source in the dropdown list or you have a bespoke emission factor or non-standard derivation of emissions e.g. based on a survey/consumption data. If you require extra rows in the table please send the template to ccreporting@ed.ac.uk.
Medical gas emission sources can be found under the "Process" Emission Type. The UK emission factor for **homeworking** has now been provided in the dropdown list.
Land Use & Land Use Change emissions can be included where data/estimates are available.

Emission Type	Emission source	Scope	Consumption data	Units	Emission factor	Units	Emissions (tCO₂e)	Comments
Fuels	Natural gas	Scope 1	4,208,969	kWh	0.18293	kg CO2e/kWh	769.94218	
Electricity	Electricity: UK	Scope 2	2,192,983	kWh	0.20707	kg CO2e/kWh	454.11039	
Transport - car	Average car - Petrol	Scope 3	29,322	km	0.16391	kg CO2e/km	4.80613	
Water	Water supply	Scope 3	14,025	cubic metres	0.10000	kg CO2e/cubic metres	1.40250	
Water	Water treatment	Scope 3	13,319	cubic metres	0.19000	kg CO2e/cubic metres	2.53061	
Transport - public	Regular taxi	Scope 3	2,329	passenger.km	0.14861	kg CO2e/passenger.km	0.34612	
Transport - public	Flights - Long-haul, to/from UK - Economy class	Scope 3	-	passenger.km	0.20011	kg CO2e/passenger.km	0.00000	No emissions exist	Please state in comments if this value is 0 because no emissions exist or if emissions likely exist, but are unknown
Transport - public	Flights - Domestic, to/from UK - Average passenger	Scope 3	9,002	passenger.km	0.27258	kg CO2e/passenger.km	2.45374	
Transport - public	Flights - Short-haul, to/from UK - Average passenger	Scope 3	4,912	passenger.km	0.18592	kg CO2e/passenger.km	0.91322	
Transport - public	National rail	Scope 3	5,517	passenger.km	0.03546	kg CO2e/passenger.km	0.19565	
Transport - van/HGV	Vans - Class III (1.74 to 3.5 tonnes) - Diesel	Scope 3	16,133	km	0.25346	kg CO2e/km	4.08914	
Transport - van/HGV	Business Travel Van - Class II (1.305 to 1.74 tonnes) - Battery Electric Vehicle	Scope 3	6,210	km	0.05932	kg CO2e/km	0.36835	
Waste	WEEE - mixed - Recycled	Scope 3	5	tonnes	21.28081	kg CO2e/tonnes	0.10002	
Waste	Average construction - Recycled	Scope 3	70	tonnes	0.98491	kg CO2e/tonnes	0.06894	
Waste	Organic: food and drink waste - Composting	Scope 3	-	tonnes	8.91242	kg CO2e/tonnes	0.00000	No emissions exist	Please state in comments if this value is 0 because no emissions exist or if emissions likely exist, but are unknown
Waste	Commercial and industrial waste - Landfill	Scope 3	9	tonnes	520.33474	kg CO2e/tonnes	4.68301	
Electricity	Transmission and distribution - Electricity: UK	Scope 3	2,192,983	kWh	0.01792	kg CO2e/kWh	39.28753	
Transport - van/HGV	Business Travel Van - Class III (1.74 to 3.5 tonnes) - Battery Electric Vehicle	Scope 3	5,178	km	0.08967	kg CO2e/km	0.46431	
Homeworking	Homeworking (office equipment + heating)	Scope 3	10,080	FTE Working Hour	0.33378	kg CO2e/FTE Working Hour	3.36451	
Please select from drop down box	Please select from drop down box	Please select from drop down box					0.00000	Please state in comments if this value is 0 because no emissions exist or if emissions likely exist, but are unknown
Please select from drop down box	Please select from drop down box	Please select from drop down box					0.00000	Please state in comments if this value is 0 because no emissions exist or if emissions likely exist, but are unknown

(remaining "Please select from drop down box" rows each show 0.00000 emissions with the same comment)

Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	

Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
Other	Other (please specify in comments)	Please select from drop down box					-	
							1,289	

Total is different to that number quoted in Q3a, please check and/or state why in comments cell above

3c Generation, consumption and export of renewable energy

Provide a summary of the body's annual renewable generation (if any), and whether it is used or exported by the body.

	Renewable Electricty		Renewable Heat		
Technology	Total consumed by the body (kWh)	Total exported (kWh)	Total consumed by the body (kWh)	Total exported (kWh)	Comments
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A
Please select from drop down box	N/A	N/A	N/A	N/A	N/A

Targets

3d Organisational targets

List all of the body's targets of relevance to its climate change duties. Where applicable, targets for reducing indirect emissions of greenhouse gases, overall carbon targets and any separate land use, energy efficiency, waste, water, information and communication technology, transport, travel and heat targets should be included. Where applicable, you should also provide the body's target date for achieving zero direct emissions of greenhouse gases, or such other targets that demonstrate how the body is contributing to Scotland achieving its emissions reduction targets.

Name of target	Type of target	Target	Units	Boundary/scope of target	Year used as baseline	Baseline figure	Units of baseline	Target completion year	Progress against target	Comments
Long term Carbon Reduction target	Percentage	80	total % reduction	All emissions	2014/15	3,257	tCO2e	2030/31	2,238	A decrease of 63% of all emissions against the Net Zero target of an 80% decrease by 2050.
Net Zero Target, direct emissions	Percentage	100	total % reduction	Scope 1	2014/15	1,237	tCO2e	2045/46	770	A decrease of 467 tCO2e of Scope 1 emissions (62%) since 2014/15.
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		
	Please select from drop down box		Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box	Please select from drop down box		

3da How will the body align its spending plans and use of resources to contribute to reducing emissions and delivering its emission reduction targets?

Provide any relevant supporting information that is not already included elsewhere in this report.

The College is committed to addressing the climate emergency and will pursue an ambitious agenda on climate change by:
- Ensuring estate development, maintenance and operations continually strive to reduce carbon footprint.
- Working to eliminate or mitigate against any potential negative environmental impact of our future investment in technology.
- Continuing to be proactive in supporting climate change initiatives and participate in the implementation of the Climate Change Action Plan by contributing to the achievement of Glasgow City, Scottish Government, UK Government and UN Sustainable Development targets and goals.
- Supporting Glasgow's Green Deal - Working with local communities and industry towards Glasgow Net Zero by 2030.
- Bringing together current education and skills, community engagement, and student experience strengths to become a centre of excellence for "green" education.
- Working together to help our students, communities and industry partners accelerate the transition to a sustainable world.
- Supporting access by promoting safe, sustainable, accessible and affordable travel.
- Ensuring that our procurement and supply chain contribute to our drive towards a sustainable world.

3db How will the body publish, or otherwise make available, it's progress towards achieving its emissions reduction targets?

Provide any relevant supporting information. In the event that the body wishes to refer to information already published, provide information about where the publication can be accessed.

Simply referencing this report or it's availability on the SSN website is insufficient information.

The College publishes relevant emissions reports through its Estates and Sustanability webpage which can be found at: https://www.glasgowkelvin.ac.uk/sustainability-estates/

Projects and changes

3e Estimated total annual carbon savings from all projects implemented by the body in the report year

If no projects were implemented against an emissions source, enter "0".
If the body does not have any information for an emissions source, enter "Unknown".
If the body does not include the emissions source in its carbon footprint, enter "N/A".

Emissions source	Total estimated annual carbon savings (tCO₂e)	Comments
Electricity		Following consistent decrease, an increase of 28 tCO2e, due in part to increase in on-campus teaching.
Natural gas	4	Stable/small decrease from previous year.
Other heating fuels		N/A
Waste		Increase of 4.64 tCo2e on previous year, due probably to increased on campus activity (brickwork, joinery, plumbing workshops etc.)
Water and sewerage	1	Stable/minor decrease
Travel		Increase of 2.85 tCO2e reflecting return of staff travel patterns across UK.
Fleet transport		Small increase of 1.6 tCO2e probably due to increased use of fleet minibuses for student transport.
Other (please specify in comments)		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		

	Please select from drop down box		
	Total	5	

3f **Detail the top 10 carbon reduction projects to be carried out by the body in the report year**
Provide details of the 10 projects which are estimated to achieve the highest carbon savings during report year.

Project name	Funding source	First full year of CO₂e savings	Are these savings figures estimated or actual?	Capital cost (£)	Operational cost (£/annum)	Project lifetime (years)	Primary fuel/emission source saved	Estimated carbon savings per year (tCO₂e/annum)	Estimated costs savings (£/annum)	Behaviour Change	Comments
Installation of Fast Charging points for electric vehicles.	Capital Funding	2022/23	Estimated	£7.5k	N/A	Lifetime	Vans - Average (up to 3.5 tonnes) - Diesel			Please select from dropdown box	
Replacement of air ducting on the ventilation system.	Capital Funding	2022/23	Estimated	£409k	N/A	Lifetime	Please select from drop down box			Please select from dropdown box	Urgent repairs of equipment related to College heating and ventilation services. This includes replacement of malfunctioning, and broken, air handling units, refurbishment of ventilation insulation panels and two domestic boiler replacements.
Purchase and construction of second bike shelter at Springburn Campus.	Grant funded through Cycle Scotland	2022/23	Estimated	N/A	N/A	Lifetime	Please select from drop down box			Please select from dropdown box	Second bike shelter necessary due to increase in staff and student active travel.
Outright purchase of 7-seater electric MUV.	Capital Funding	2022/23	Estimated	£18.4k	N/A	Lifetime	Please select from drop down box			Please select from dropdown box	Purchased following 3 year lease of vehicle through ULEV scheme funded by Transport Scotland.
£2.6m awarded from the Scottish Government Energy Efficiency Grant Scheme to fund a number of capital projects over two years (2023/24 and 2024/25).	Grant Funding	2022/23	Estimated	£2.6m	N/A	Lifetime	Please select from drop down box			Please select from dropdown box	The projects are: Air Source Heat Pump at Springburn Campus; Solar Panels on Springburn main building roof atriums and technical blocks; Wind Turbine at Easterhouse campus recommission/refurbishment; Solar PV on roof; installation of LED lighting in Easterhouse hallway.
	Please select from drop down box	Please select from drop down box					Please select from drop down box			Please select from dropdown box	
	Please select from drop down box	Please select from drop down box					Please select from drop down box			Please select from dropdown box	
	Please select from drop down box	Please select from drop down box					Please select from drop down box			Please select from dropdown box	
	Please select from drop down box	Please select from drop down box					Please select from drop down box			Please select from dropdown box	
	Please select from drop down box	Please select from drop down box					Please select from drop down box			Please select from dropdown box	
	Please select from drop down box	Please select from drop down box					Please select from drop down box			Please select from dropdown box	

3g **Estimated decrease or increase in the body's emissions attributed to factors (not reported elsewhere in this form) in the report year**
If the emissions increased or decreased due to any such factor in the report year, provide an estimate of the amount and direction

Emissions source	Total estimated annual emissions (tCO₂e)	Increase or decrease in emissions	Comments
Estate changes	N/A	Please select from drop down box	No Estates changes for 2022/23.
Service provision	N/A	Please select from drop down box	This is difficult to quantify. Student numbers were down during the global health crisis and majority of teaching was delivered online. Students are back on campus now and in person teaching has resumed.
Staff numbers	N/A	Please select from drop down box	This is difficult to quantify. Majority of staff were working from home during 2021/22. 'Homeworking' figures are very low.
Other (please specify in comments)	N/A	Please select from drop down box	N/A
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Total	-		

3h **Anticipated annual carbon savings from all projects implemented by the body in the year ahead**
If no projects are expected to be implemented against an emissions source, enter "0".
If the organisation does not have any information for an emissions source, enter "Unknown".
If the organisation does not include the emissions source in its carbon footprint, enter "N/A".

Emissions source	Total estimated annual carbon savings (tCO₂e)	Comments
Electricity	Unknown	N/A
Natural gas	Unknown	N/A
Other heating fuels	Unknown	N/A
Waste	Unknown	N/A
Water and sewerage	Unknown	N/A
Travel	Unknown	N/A
Fleet Transport	Unknown	N/A
Other (please specify in comments)	Unknown	N/A
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Please select from drop down box		
Total	-	

3i **Estimated decrease or increase in emissions from other sources in the year ahead**
If the body's corporate emissions are likely to increase or decrease for any other reason in the year ahead, provide an estimate of the amount and direction.

Emissions source	Total estimated annual emissions (tCO₂e)	Increase or decrease in emissions	Comments
Estate changes	Unknown	Please select from drop down box	No Estates changes for 2022/23.
Service provision	Unknown	Please select from drop down box	Unknown
Staff numbers	Unknown	Please select from drop down box	Downsizing workforce numbers.
Other (please specify in comments)	Unknown	Please select from drop down box	N/A
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Total	-		

3j **Total carbon reduction project savings since the start of the year which the body used as a baseline for its carbon footprint**
If the body has data available, estimate the total emissions savings made from projects since the start of that year ("the baseline year").

Total savings	Total estimated emissions savings (tCO₂e)	Comments
Total project savings since baseline year	2,238	Baseline 3,527 in 2014/15

Further information

3k **Supporting information and best practice**
Provide any other relevant supporting information and any examples of best practice by the body in relation to corporate emissions, targets and projects.

The College has taken a long-term strategic and multi faceted approach which has enabled it to achieve a good reduction in carbon emissions in the sector. Since the first submission of College data for academic year 2014/15, the College has managed a decrease in its carbon emissions of over 61%. It has also won a UK Green Gown Award in 2018 for sustainability and achieved a Highly Commended International Green Gown Award in 2019 for the same. An Education Building Management Award was won in 2018 for our Velocity Cycling Hub at our Springburn Campus. In 2021, the College was a finalist in the Green Gown awards with its East End Community Garden project. The College is once again a Finalist in the Green Gown Awards 2023 with its Fast Fashion project.

PART 4 Adaptation - please do not include information in this part on measures that solely reduce emissions with no implications for climate adaptation. These are climate mitigation measures which should be reported in the Emissions tab.

Assessing and managing risk

4a **Has the body assessed current and future climate-related risks?**
If yes, provide a reference or link to any such risk assessment(s).

The College revised its Estates and Sustainability Strategy and our Climate Change Action Plan. It has also produced a Race to Zero Action Plan. The aim of these documents is to map out Glasgow Kelvin College's interim and longer-term strategies to reduce our climate impact and to address the implications of the already changing climate. To achieve this, specific actions, and targets, will need to be realised in the short and long term.

The documents can be found via the following links:

Climate Change Action Plan and Race to Zero Action Plan: https://www.glasgowkelvin.ac.uk/sustainability-estates/

Estates and Sustainability Strategy: https://www.glasgowkelvin.ac.uk/plans-and-strategies/

4b **What arrangements does the body have in place to manage climate-related risks?**
Provide details of any climate change adaptation strategies, action plans and risk management procedures, and any climate change adaptation policies which apply across the body.

The College has an Estates and Sustainability Strategy in place. Environmental Sustainability is included in the College Risk Register. The College has targeted resources on dealing with high priority backlog maintenance, but does not specifically model or address the potential impact of severe increased rainfall and groundwater levels as a consequence of climate change. Environment and Sustainability impact is considered at every College Committee meeting.

Taking action

4c **What action has the body taken to adapt to climate change?**
Include details of work to increase awareness of the need to adapt to climate change and build the capacity of staff and stakeholders to assess risk and implement action. The body may wish to make reference to the Scottish Climate Change Adaptation Programme ("the Programme").

The College is committed to minimising the negative impact its activities have on the environment. It is fully compliant with the reporting requirements specified in the Climate Change (Scotland) Act 2009 including the reporting requirements. It is a signatory to Colleges Scotland Race to Zero campaign, the UN SDG Goals Accord and reports on carbon emissions annually through the Scottish Government's Public Sector Climate Change Duties Report (PSCCDR). It now has several years of carbon emissions data.

Some of the activities and actions undertaken by the College are detailed below:

The College appointed a Environmental and Sustainability Manager in June 2022. The postholder is responsible for developing student and staff engagement with the issue of environmental sustainability through a range of activities including: embedding sustainability within the curriculum, environmental campaigns and events, managing projects aimed at improving active travel and sustainable practices, applying for grant funding and seeking to raise the profile of sustainability at the College through internal and external communications and applications for awards.

£2.6m awarded from the Scottish Government Energy Efficiency Grant Scheme to fund a number of capital projects over two years (2023/24 and 2024/25). The five projects are: Air Source Heat Pump at Springburn Campus; Solar Panels on Springburn main building roof atriums and technical blocks; Wind Turbine at Easterhouse campus recommission/refurbishment; Solar PV on roof; installation of LED lighting in Easterhouse campus.

Purchase and construction of a necessary second bike shelter at Springburn (due to increased cycle usage) with funding from Cycle Scotland.

Staff development sessions across the College including a 'Sustainability Town Hall Event'; a themed month entitled 'Carbon, Climate, and Creating Change', where events and training included a Climate Literacy course, Climate & Food sessions, outdoor exercise & cycle events, a Learning for Sustainability Discussion with SQA, a waste information session with ENVA, 'Climate Fresk' workshops with Glasgow Colleges Regional Board (GCRB), and Sustainability Tours.

Glasgow Kelvin College participated in the 2023 'Planet Earth Games' for Colleges, a competition across the UK where institutions create events to encourage students and staff to embrace sustainable behaviours and raise awareness of the climate crisis. Glasgow Kelvin College finished in the top 5 of all participating UK colleges.

The College is a finalist in the 2023 Green Gown Awards with its 'Fast Fashion' entry under the category 'Next Generation Learning and Skills'.

Continued below. Double click and Scroll down.

4d **Where applicable, what contribution has the body made to helping deliver the Programme?**
Provide any other relevant supporting information

The College has taken a long-term strategic and multi faceted approach which has enabled it to achieve a good reduction in carbon emissions in the sector. Since the first submission of College data for academic year 2014/15, the College has managed a 61% decrease in its carbon emissions. It has also won a UK Green Gown Award in 2018 for sustainability and achieved a Highly Commended International Green Gown Award in 2019 for the same. An Education Building Management Award was won in 2018 for our Velocity Cycling Hub at our Springburn Campus. In 2021, the College was a finalist in the Green Gown awards with its East End Community Garden project. The College is again a finalist in the Green Gown Awards 2023 with its Fast Fashion project.

Review, monitoring and evaluation

4e **What arrangements does the body have in place to review current and future climate risks?**
Provide details of arrangements to review current and future climate risks, for example, what timescales are in place to review the climate change risk assessments referred to in Question 4(a) and adaptation strategies, action plans, procedures and policies in Question 4(b).

The Climate Change Action Plan and Estates and Sustainability Strategy have been refreshed and seek to take into account future climate change risk. Link to the documents here: https://www.glasgowkelvin.ac.uk/sustainability-estates/
The College has an Estates and Sustainability Strategy in place. Environmental Sustainability is included in the College Risk Register. The Estates and Sustainability Working Group, which meets three times per year, are tasked with improving the overall environmental performance of the College.

4f **What arrangements does the body have in place to monitor and evaluate the impact of the adaptation actions?**
Please provide details of monitoring and evaluation criteria and adaptation indicators used to assess the effectiveness of actions detailed under Question 4(c) and Question 4(d).

With the introduction of a Building Energy Management System, the College's capacity to monitor and report on the impact of any adaptation strategies implemented has greatly increased.

The College has an Estates and Sustainability Strategy in place. Environmental Sustainability is included in the College Risk Register. The Estates and Sustainability Working Group, which meets three times per year, are tasked with improving the overall environmental performance of the College.

The Director of Estates and Corporate Services, together with the College Estates Team, led by the Head of Facilities and Environmental Sustainability; the Environmental and Sustainability Manager; and the Regulations and Compliance Manager each have a role in monitoring and evaluating the impact of adaptation actions.

Future priorities for adaptation

4g **What are the body's top 5 climate change adaptation priorities for the year ahead?**
Provide a summary of the areas and activities of focus for the year ahead.

•Continue to maintain the College estate;
•Progress with the projects planned under the £2.6m grant award to the College under the Scottish Government Energy Efficiency grant;
•Complete the implementation of the Green Academy at the College;
•Progress the sale or lease of the College's West End campus;
•Continue to inspire and encourage staff and students to continue to adopt environmentally sustainable ways of learning, teaching, working and living.

Further information

4h **Supporting information and best practice**
Provide any other relevant supporting information and any examples of best practice by the body in relation to adaption.

A link to the Estates and Sustainability webpage can be found here: https://www.glasgowkelvin.ac.uk/sustainability-estates/

Public Sector Report on Compliance with Climate Change Duties 2023 Template

PART 5 Procurement

5a   **How have procurement policies contributed to compliance with climate change duties?**

Provide information relating to how the procurement policies of the body have contributed to its compliance with climate changes duties.

The College has a Procurement Strategy and relevant supporting policies and procedures including Annual Procurement Reports from 2018-19 to date. These now include significant sections which relate to sustainability and are available on the Procurement section of the web site: http://www.glasgowkelvin.ac.uk/procurement/

Procurement at the College is managed in partnership with Advanced Procurement for Universities and Colleges (APUC) who use the Sustain Framework to asses and evaluate key suppliers. The College seeks to use APUC negotiated contracts and frameworks wherever possible.

'Sustainable Procurement' is defined as *"a process whereby organisations meet their needs for goods, services, works and utilities in a way that achieves value for money on a whole life basis and generates benefits not only to the organisation, but also to society, the economy and the environment"*.

Glasgow Kelvin College is committed to achieving sustainable procurement by:

- having a dedicated sustainability committee responsible for delivering a plan for sustainable procurement for Glasgow Kelvin College linked to the achievement levels as set out in the Flexible Framework,
- committing to the Suppliers' Charter,
- considering the whole life cost of goods and services procured,
- considering the environmental and social impact of goods and services in the tender process,
- communicating and promoting sustainability to all employees and ensuring that it is included in the tender process where appropriate,
- using the Public Contracts Scotland Advertising Portal for goods and services above £25,000.

The College has adopted the APUC Supply Chain Code of Conduct as part of our commitment to conducting procurement activities in a socially responsible manner, and furthermore supports wider engagement by the supply market with the APUC 'SUSTAIN' programme to assess suppliers' supply chain sustainability credentials.

5b   **How has procurement activity contributed to compliance with climate change duties?**

Provide information relating to how procurement activity by the body has contributed to its compliance with climate changes duties.

From Annual Procurement Report 2022-23. Section 3: Community Benefits

Community Benefits – Where possible GKC includes appropriate Community Benefit requirements in relevant contracts.
In the reporting period, the following community benefits were fulfilled from existing contracts:

1. Green Week stand set up by the college's Catering services provider Baxter Storey. Video of recipe to use up leftovers and avoid food waste released by Baxter Storey with the College's kitchen staff members for the Green Week.6
2. Health and safety and food safety modules offered to all front of house and back of house students by the college's Catering services provider Baxter Storey. Ongoing allergen training has also been provided.
3. Sponsorship available for two students deserving hardship funding for 3 courses (Elementary Food and Health REHIS, Elementary Food Hygiene and Personal Licence Holder)
4. ENVA, Waste Management Contractor, continues to support the East End Community Garden Project with free of charge compost. Enva continue to offer compost across the campuses if required. This has also been offered to College staff.
5. Hair & Beauty students have offered the community some beauty therapy treatments
6. ENVA offers visits of their disposal plant at Linwood to staff and students and supported additional "toolbox talks" to highlight the different waste streams in the College.

Further information

5c   **Supporting information and best practice**

Provide any other relevant supporting information and any examples of best practice by the body in relation to procurement.

Extract from Procurement Strategy Statement:

"Take account of climate emergency and circular economy in procurement activity and seek to address."

The Sustainable Procurement Duty - GKC considers the environmental, social and economic issues relating to all regulated procurements. These and other relevant elements are reviewed in every individual procurement strategy per regulated tender to ensure opportunities to improve sustainability in our procurements are not overlooked. The Director of Estates and Corporate Services and the Head of Facilities and Environmental Sustainability work closely with procurement and support APUC in the use of its "Sustain" sustainability assessment web portal, developed to record the social, ethical and economic standards and compliance of suppliers and identify areas of risk and opportunities for influence.

Community Benefits – Where possible GKC includes appropriate Community Benefit requirements in relevant contracts.

Addressing Climate and Circular Economy - The College seeks to take account of the climate and the circular economy in its procurement activity on a contract-by-contract basis. The College will utilise available tools and systems such as Prioritisation, Life Cycle Impact Mapping where relevant and proportionate to the scope of the procurement.

The Procurement of Fairly and Ethically Traded Goods and Services - Glasgow Kelvin College sources goods considering fair and ethical trading and equivalent offerings wherever possible and relevant. The Catering Contractor has included a variety of fair and ethically traded food choices in all outlets.

Public Sector Report on Compliance with Climate Change Duties 2023 Template

PART 6 Validation and Declaration

6a   Internal validation process

Briefly describe the body's internal validation process, if any, of the data or information contained within this report.

Reporting is validated by the Estates and Sustainability Working Group members, including the Director of Estates and Corporate Services, Head of Facilities and Environmental Sustainability and the College's Vice Principal - Operations.

6b   Peer validation process

Briefly describe the body's peer validation process, if any, of the data or information contained within this report.

Peer validation process involved sharing of reporting at Environmental Association for Universities and Colleges (EAUC) led institutional meetings.

6c   External validation process

Briefly describe the body's external validation process, if any, of the data or information contained within this report.

A budget does not exist for this process.

6d   No Validation Process

If any information provided in this report has not been validated, identify the information in question and explain why it has not been validated.

The information in this report has been compiled from supplier invoices, reports from suppliers and the College finance and expenses system. The College believes it has calculated figures correctly within a reasonable margin of error. It has engaged proactively with the Public Sector Climate Change reporting process but has no financial resources to undertake further validation activity.

6e   Declaration

I confirm that the information in this report is accurate and provides a fair representation of the body's performance in relation to climate change.

Name:	Lisa Clark
Role in the body:	Director of Estates and Corporate Services
Date:	30/11/2023

Wider Impact and Influence on GHG Emissions

Q1) Historic Emissions (Local Authorities Only)
Please indicate emission amounts and unit of measurement (e.g. tCO₂e) and years. Please provide information on the following components using data from the links provided below. Please use (1) as the default unless targets and actions relate to (2).

Please note : territorial emissions of carbon dioxide (CO2), methane (CH4) and nitrous oxide (N2O) are provided, but not fluorinated gases, which are also included in the UK territorial greenhouse gas emissions statistics. Prior to the 2005 to 2020 publication the statistics covered emissions of carbon dioxide only

(1) UK local and regional CO2e emissions: **subset dataset** (emissions within the scope of influence of local authorities):

(2) UK local and regional CO2e emissions: **full dataset:**

https://data.gov.uk/dataset/723c243d-3f1a-4d27-8b61-cd0b3e5b10ff/emissions-of-carbon-dioxide-for-local-authority-areas

Local Authority (Please State)	Please select from drop down box
DESNZ Dataset:(full or sub-set)	Please select from drop down box

Source	Sector	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Units	Comments
DESNZ Sectors	Total Emissions													ktCO2e	
	Industry and Commercial													ktCO2e	
	Domestic													ktCO2e	
	Transport total													ktCO2e	
	Per Capita													ktCO2e	
Other Sectors	Please select from drop down box													Please select from drop down box	
	Please select from drop down box													Please select from drop down box	
	Please select from drop down box													Please select from drop down box	
	Please select from drop down box													Please select from drop down box	
	Please select from drop down box													Please select from drop down box	
	Please select from drop down box													Please select from drop down box	
	Please select from drop down box													Please select from drop down box	

2a) Targets
Please detail your wider influence targets

Sector	Description	Type of Target (units)	Baseline value	Start year	Target	Target/End year	Saving in latest year measured	Latest Year Measured	Comments
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	

2b) Does the organisation have an overall mission statement, strategies, plans or policies outlining ambition to influence emissions beyond your corporate boundaries? If so, please detail this in the box below.

Glasgow Kelvin College's Strategy document notes the following priorities:

Address our Climate Emergency – Act, Educate & Engage - We will pursue an ambitious agenda on climate
change by:

• Ensuring estate development, maintenance and operations continually strive to reduce carbon footprint.
• Working to eliminate or mitigate against any potential negative environmental impact of our future investment in technology.
• Continuing to be proactive in supporting climate change initiatives and participate in the implementation of the Climate Change Action Plan by contributing to the achievement of Glasgow City, Scottish Government, UK Government and UN Sustainable Development targets and goals.
• Supporting Glasgow's Green Deal - Working with local communities and industry towards Glasgow Net Zero by 2030. Bringing together current education and skills, community engagement, and student experience strengths to become a centre of excellence for "green" education.
• Working together to help our students, communities and industry partners accelerate the transition to a sustainable world.
• Supporting access by promoting safe, sustainable, accessible and affordable travel.
• Ensuring that our procurement and supply chain contribute to our drive towards a sustainable world.

Q3) Policies and Actions to Reduce Emissions
Please detail any of the specific policies and actions which are underway to achieve your emission reduction targets

Sector	Start year for policy/action implementation	Year that the policy/action will be fully implemented	Annual CO_2 saving once fully implemented (tCO_2)	Latest Year measured	Saving in latest year measured (tCO_2)	Status	Metric/indicators for monitoring progress	Delivery Role	During project/policy design and implementation, has ISM or an equivalent behaviour change tool been used?	Please give further details of this behaviour change activity.	Value of Investment (£)	Ongoing Costs (£/year)	Primary funding Source for Implementation of Policy/Action	Comments
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	
Please select from drop down box	Please select from drop down box	Please select from drop down box		Please select from drop down box		Please select from drop down box		Please select from drop down box	Please select from drop down box				Please select from drop down box	

Please provide any detail on data sources or limitations relating to the information provided in Table 3

Please detail your Climate Change Partnership, Communication or Capacity Building Initiatives below.

Key Action Type	Description	Organisation's project role	Lead Organisation (if not reporting organisation)	Private Partners	Public Partners	3rd Sector Partners	Outputs	Comments
Partnership Working	Member of Smaller Institutions Environmental Working Group	Participant	EAUC		Scottish FE and Small HE		Share best practice in the aim to reduce our impact on the environmental and reach net zero before 2040	
Partnership Working	Member of Environmental Association of Universities and Colleges (EAUC)	Participant	EAUC		UK FE/HE		Knowledge and best practice sharing via topic suport networks through the UK in our common goal of reaching net zero by the ultimate target of 2050 (UK)	
Partnership Working	Signed up to SDG Accord (Sustainable Development Goals)	Participant	EAUC		Worldwide FE/HE		Reporting against sustainable development goals annually	
Communications	Signed Race to Zero	Participant	EAUC		FE/HE		Commitment to reach net zero by 2040	
Communications	Winner Green Gown Awards 2018	Lead	EAUC		FE/HE		White Ribbon Campaign	
Communications	Finalist Green Gown Awards 2021	Lead	EAUC		FE/HE		East End Community Garden project	
Communications	Finalist Green Gown Awards 2023	Lead	EAUC		FE/HE		Fast Fashion project	
Partnership Working	Glasgow Region Sustainability Group	Participant	GCRB		FE		Knowledge and best practice sharing	
Partnership Working	Communicating Sustainability Conference 2022 at University of Glasgow	Participant	GU		FE/HE		India Scotland Partnership - GKC has a number of environmental and sustainability projects in India.	
Partnership Working	Infrastructure Strategy Delivery Group	Participant	SFC		FE		Delivery of Scotland's College Infrastructure	
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						
Please select from drop down box		Please select from drop down box						

Other Notable Reportable Activity

Q5) Please detail key actions relating to Food and Drink, Biodiversity, Water, Procurement and Resource Use in the table below

Key Action Type	Key Action Description	Organisation's Project Role	Impacts		Comments
Resource Use	ENVA the Waste Management Contractor continues to support the East End Community Garden Project with free of charge compost. Enva continue to offer compost across the campuses if required. This has also been offered to College staff.	Supporting	Community Support		
Biodiversity	ENVA offers visits of their disposal plant at Linwood to staff and students and supported additional "toolbox talks" to highlight the different waste streams in the College.	Supporting	Recycling/Waste Management education		
Other (please specify in comments)	A cycling grant was awarded from Cycle UK to support efforts to promote active travel at the College	Lead	Active Travel		
Other (please specify in comments)	Successful application made to Cycle Scotland for funding to appoint a full-time campus Cycling Officer.	Lead	Active Travel		
Other (please specify in comments)	Grant from Cycling UK helped to fund various initiatives including 'Dr. Bike' cycle repair sessions and Bike Breakfasts for students.	Lead	Active Travel		
Other (please specify in comments)	Successful funding application made to Scottish Central Government Energy Efficiency Scheme. £2.6m was awarded to the College to deliver a number of projects including: restoration of the Wind Turbine at Easterhouse campus; eastablishment of an air source heat pump at Springburn campus; construction of Solar PV panels at Springburn and Easterhouse campuses; and extension of LED lighting at Easterhouse campus.	Lead	Further reduction of College's carbon footprint.		
Other (please specify in comments)	The College had held a series of events for 'Planet Earth Games'; A vegan Bistro, Tree Planting by Support to Learn Students, the Project Ability recycling fashion competition and the Fashion Department's Swap Shop event and Recycled Bridal Gown project. The College and its students were placed 5th in the UK and 1st in Scotland for the work achieved in this UK national competition which had entries from 40 colleges. The College is a finalist in the Green Gown Awards 2023 with its Fast Fashion project.	Participant	Awareness raising/Education		
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			
Please select from drop down box		Please select from drop down box			

Q6) Please use the text box below to detail further climate change related activity that is not noted elsewhere within this reporting template