Public Sector Report on Compliance with Climate Change Duties 2021 Template

1. Introduction

This template is for public bodies required to produce annual climate change reports under the 'Climate Change (Duties of Public Bodies; Reporting Requirements) (Scotland) Order 2015'.

The template covers all six parts of the required reporting form, as well as the recommended reporting section on public bodies' wider influence.

All information and data must be entered using this master template available on the SSN website.

Reports must be submitted to ccreporting@ed.ac.uk by 30th November. Reports submitted after this date means the organisation will be non-compliant with Public Bodies Duties legislative reporting requirements.

2. Guidance

1. Please save-as this workbook with your organisations name somewhere in the title before completing
2. Please fill out question 1f
3. Sufficient rows should be available but if you need to add more please email the file to ccreporting@ed.ac.uk
4. Homeworking emissions - Please include an estimate of emissions associated with homeworking in the designated row provided in table 3b
   In order for this to be calculated correctly users must complete Q1c relating to number of full time employees (FTEs)
5. For question 4d - please complete the optional text box instead of the original table which relates specifically to SCCAP1.
6. Local Authorities reporting in the recommended section 1a should select their local authority region at the top of the sheet
   and their emissions will be provided automatically from BEIS datasets

3. Colour Coding used in the template

	Drop down box selection for users to select from list of options
	Uneditable/fix entry cells
	Editable cells for users to report in freely

Public Sector Report on Compliance with Climate Change Duties 2021 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	31867.00	18715 Springburn Campus, 4771 Easterhouse Campus,
Number of full-time equivalent students	number FTS	5667.00	The College enrolled 13,195 FT & PT learners
Please select from drop down box			
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Please select from drop down box			
Other (please specify in comments)			
Other (please specify in comments)			
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Other (please specify in comments)			

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

Budget	Budget Comments
£33,000,000	

1f Report type
Specify the report year type

Report type	Report year comments	
Academic	2020-21	**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 Glasgow. A significant part of the reduction in CO2 has been as a result of the planned closure and sale of the College's City Campus in August 2016, which has reduced greenhouse gas emissions. During academic year 2020/21, the College enrolled 13,195 full and part time learners, 57% 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 set the Strategic Plan - one of the strategic priorities is to "maintain the highest standards of corporate governance and sustainability." 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. Additionally, the College has developed a Capital Investment Plan which specifically allocates resource to the Estates and Sustainability Working Group who are tasked with improving the overall environmental performance of the College. In respect of governance, responsibility for oversight of Capital Investment in Estates and ICT is delegated to the Finance and Resources Committee (FRC). The Board are committed to addressing Climate Change and sustainability more widely. This is demonstrated by the establishment of an Estates and Sustainability Working Group - the allocation of a capital budget which meets some of the needs of the Estates and Sustainability Working Group who are tasked with managing the overall environmental sustainability of the College; inclusion of commitment to sustainability/ethical procurement in the Procurement Strategy and commitment to the Sustainable Development Goals Accord.

<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 Corporate Services Chairs the Estates and Sustainability Working Grooup which meets 3 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 had previously appointed a Project and Sustainability Officer who was responsible for developing student and staff engagement with the issue of environmental sustainability through a range of activities e.g. 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 position is currently vacant due to other financial constraints and considerations. The VP, Director of 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 is looking at further structural change

<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
Working Sustainably & Transparently:-Manage Colle	Strategic Plan	https://www.glasgowkelvin.ac.uk/wp-content/uploads/2018/07/Strategic-Plan-2018-21.pc
The Risk Management Strategy outlines how the Col	Risk Management Strategy	https://www.glasgowkelvin.ac.uk/wp-content/uploads/2018/10/Plan-Risk-Management-Strategy.pc

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

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/Sustainability Strategy and associated capital
Business travel	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates		The International Strategy seeks to provide a rationale for
Staff Travel	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates		The College is continuing to develop its cycling facilities and
Energy efficiency	Estates and Sustainability Strateg	https://www.glasgowkelvin.ac.uk/sustainability-estates		The College has installed a Building Energy Management
Fleet transport	Estates and Sustainability Strategy and	https://www.glasgowkelvin.ac.uk/sustainability-estates		The College is operating a fleet of three electric vehicles
ICT	ICT Digital Transformation Strategy	https://www.glasgowkelvin.ac.uk/plans-and-strategies		Investment in video conferencing facilities and renewal of
Renewable energy	Estates and Sustainability Strategy; and	https://www.glasgowkelvin.ac.uk/sustainability-estates		The College has existing assets, which includes a wind
Sustainable/renewable heat	Estates and Sustainability Strategy; and	https://www.glasgowkelvin.ac.uk/sustainability-estates		The College has recently installed energy efficient boilers.
Waste management	Estates and Sustainability Strategy; and	https://www.glasgowkelvin.ac.uk/sustainability-estates		The College has carried forward its most recent waste
Water and sewerage	Climate Change Action Plan	https://www.glasgowkelvin.ac.uk/sustainability-estates		Work undertaken with Anglian Water (Wave) has helped to
Land Use	Estates and Sustainability Strategy; and	https://www.glasgowkelvin.ac.uk/sustainability-estates		The College was successful in securing Scottish Landfill
Other (please specify in comments)				
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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 is seeking to appoint an Environmental Sustainability Manager. 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:

1. Increase the Active Travel modal share of the College. Driving this forward will involve the promotion and use of eBikes purchased;
2. Appoint a Enviornmental Sustainability Manager with specific responsibility to embed sustainability into Learning and Teaching at the College;
3. Develop a Carbon Management Plan and a Climate Change Adaptation Strategy to further improve carbon footprint reporting, identification of climate change risks, and subsequent mitigation strategies. In parallel, the Climate Change Action Plan and Estates/Sustainability Strategy will be refreshed;
4. Increase the profile of the College's Estates and Sustainability Working Group with further development of the Sustainability section of the College website;
5. Further development of garden space and use of the East End Community Garden for student/staff/community/wildlife/insect enjoyment. A video of the project can be viewed on the College Sustainability

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 further shape and develop the Estates and Sustainability Strategy, particularly in relation to Climate Change.

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 2020/21, have reduced to 1,420 tonnes tCO2e which is a further 3% reduction in comparison with previous years. However, for academic year 2020/21, the Public Sector Climate Change Duties Report now includes two new emission categories, i.e. grid electricity (transmission and distribution loss) and home working (due to the COVID-19 pandemic); the inclusion of these two additional and new emission categories results in a total of 1,591 tonnes tCO2e which actually equates to a circa 10% tCO2e increase. 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.
• Vehicle rapid charging units have been installed across all campuses.
• The East End Campus Community Garden project was a finalist at the 2021 Green Gown Awards.

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PART 3 Corporate Emissions, Targets and Project Data

Emissions

1a. 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 document entitled "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.

PLEASE QUESTION IF IS COMPLETED BEFORE STARTING THIS SECTION, THEN SELECT APPROPRIATE BASELINE YEAR

Reference year	Year	Year type	Scope 1	Scope 2	Scope 3	Total	Units	Comments
Baseline Year	2014/15	Academic	1,247	1,913	107	3,267	tCO2e	
Year 1 carbon footprint	2015/16	Academic	1,141	1,269	116	2,617	tCO2e	
Year 2 carbon footprint	2016/17	Academic	714	1,021	88	1,874	tCO2e	
Year 3 carbon footprint	2017/18	Academic	826	867	112	1,793	tCO2e	
Year 4 carbon footprint	2018/19	Academic	785	701	154	1,605	tCO2e	
Year 5 carbon footprint	2019/20	Academic	604	549	308	1,462	tCO2e	
Year 6 carbon footprint	2020/21	Academic	504	371	277	1,591	tCO2e	Two new categories added for 2020-21: Electricity (transmission and distribution loss) and Homeworking
Year 7 carbon footprint		Academic				0	tCO2e	
Year 8 carbon footprint		Academic				0	tCO2e	
Year 9 carbon footprint		Academic				0	tCO2e	
Year 10 carbon footprint		Academic				0	tCO2e	
Year 11 carbon footprint		Academic				0	tCO2e	
Year 12 carbon footprint		Academic				0	tCO2e	
Year 13 carbon footprint		Academic				0	tCO2e	
Year 14 carbon footprint		Academic				0	tCO2e	
Year 15 carbon footprint		Academic				0	tCO2e	

1b. 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 1(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	2021	The emission factor year is assigned based on your answer to Q20, if you think it is incorrect please contact SSN

Use defined emission sources and sources where only emissions are known should be entered at the bottom of the table in the space provided

Emission source	Scope	Consumption data	Units	Emission factor	Units	Emissions (tCO2e)	Comments
Natural Gas	Scope 1	1,517,447	kWh	0.18316	kg CO2e/kWh	306.1	
Grid Electricity (generation)	Scope 2	1,141,772	kWh	0.21233	kg CO2e/kWh	475.0	
Average Car - Unknown Fuel	Scope 3	6,409	km	0.17148	kg CO2e/km	1.1	
Water - Supply	Scope 3	14,178	m3	0.13360	kg CO2e/m3	1.9	
Water - Treatment	Scope 3	14,178	m3	0.27200	kg CO2e/m3	3.9	
Taxi (black cab)	Scope 3	152	passenger.km	0.20642	kg CO2e/passenger.km	0.1	
Long Haul flights (Economy Class)	Scope 3		passenger.km	0.14787	kg CO2e/passenger.km		Travel on behalf of College suspended session 2020/21
Short Haul flights (Economy class)	Scope 3		passenger.km	0.15102	kg CO2e/passenger.km		Travel on behalf of College suspended session 2020/21
Domestic flight (average passenger)	Scope 3		passenger.km	0.24587	kg CO2e/passenger.km		Travel on behalf of College suspended session 2020/21
Rail (National rail)	Scope 3		passenger.km	0.03549	kg CO2e/passenger.km		Travel on behalf of College suspended session 2020/21
Van - Average (up to 3.5 tonnes) Diesel km	Scope 3		km	0.24416	kg CO2e/km		
Wood recycling	Scope 3	20	tonnes	21.28357	kg CO2e/tonne	0.4	
Construction (Average) Recycling	Scope 3	33	tonnes	0.98914	kg CO2e/tonne	0.0	
Organic Food & Drink Composting	Scope 3		tonnes	8.91070	kg CO2e/tonne	0.0	
Refuse Commercial & Industrial to Landfill	Scope 3		tonnes	467.04580	kg CO2e/tonne		Zero return, handled by DRUH waste management
Grid Electricity (transmission & distribution losses)	Scope 3	1,141,772	kWh	0.01827	kg CO2e/kWh	42.1	
		Please select from drop down box					
... (multiple "Please select from drop down box" rows) ...							
Homeworking (emissions)	Scope 3		%	0.00000	tCO2e/FTE/annum	135.1	percentage of total FTEs home-based
Other (please specify in comments)		Please select from drop down box					
... (multiple "Other (please specify in comments)" rows) ...							
						1,366.2	Total is different to that number quoted in Q1a, please check and/or state why in comments cell above

1c. 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.

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

Targets

2d. Organisational targets

List all of the body's targets of relevance to its climate change duties. Where applicable, overall carbon targets and any separate land use, energy efficiency, waste, water, information and communication technology, transport, travel and heat targets should be included.

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
Electricity	Absolute	40	tCO2e reduction	Energy use in buildings	2014/15	1,913	tCO2e	2026/27	475	General measures to reduce energy consumption across campus following installation of BMS system
Gas	Absolute	126	tCO2e reduction	Energy use in buildings	2014/15	1,247	tCO2e	2026/27	306	General measures to reduce energy consumption across campus following installation of BMS system
... (Please select from drop down box rows) ...										

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	76	
Natural gas		
Other heating fuels	0	
Waste	0	
Water and sewerage	0	
Travel	0	
Fleet transport	0	
Other (please specify in comments)		
...		
Total	106	

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 there 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
Boiler replacement	Capital funding	2020/21	Estimated	44,000		Lifetime	Natural Gas			No	Public areas especially reception, student common room and canteen
Water AMRs	Capital funding	2020/21	Please select from drop down box	5,000		Lifetime	Water - Supply			No	Audits covered by grant funding
Replacement of lighting with LEDs	Capital funding	2020/21	Please select from drop down box	15,000		Lifetime	Grid Electricity (generation)			No	
Secure cycle store	Grant funding	2020/21	Please select from drop down box			Lifetime	Van - Class I (up to 1.305 tonnes) Diesel km			No	Operating costs covered by grant funding
Fast Charging stations	Capital funding	2020/21	Please select from drop down box	40,000		Lifetime	Van - Class I (up to 1.305 tonnes) Diesel km			No	
Compactor	Capital funding	2020/21	Please select from drop down box	15,000		Lifetime	Refuse Commercial & Industrial to Landfill			No	

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		Please select from drop down box	This is difficult to quantify. Student numbers on campus down during global health crisis and shift to online teaching
Service provision		Decrease	This is difficult to quantify. Staff numbers down following College Voluntary Severance Scheme. Majority of staff working from home during 2020/21. New 'Homeworking' category counts this but returns no increase.
Staff numbers		Decrease	
Other (please specify in comments)		Please select from drop down box	
...			

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/uncertain impact of potential lockdowns
Natural gas		Unknown/uncertain impact of potential lockdowns
Other heating fuels		Unknown/uncertain impact of potential lockdowns
Waste		Unknown/uncertain impact of potential lockdowns
Water and sewerage		Unknown/uncertain impact of potential lockdowns
Travel		Unknown/uncertain impact of potential lockdowns
Fleet transport		Unknown/uncertain impact of potential lockdowns
Other (please specify in comments)		
...		
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		Please select from drop down box	No planned estate changes
Service provision		Please select from drop down box	Unknown/uncertain impact of potential lockdowns
Staff numbers		Please select from drop down box	No planned changes to staff numbers
Other (please specify in comments)		Please select from drop down box	
...			

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 emission savings (tCO2e)	Comments
Total project savings since baseline year	1,681	N.B. Total savings, excluding new/additional 'Grid electricity (transmission and distribution loss)' and 'Homeworking' categories, is 1,434 (1,681 minus 316/277).

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. 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 as well as East End Community Garden project.

PART 4 Adaptation

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).

Improving existing greenspaces to further enhance the biodiversity of surrounding natural environment. This, along with increased uptake on active travel, provides engaging outdoor teaching and learning environments for everyone to enjoy which improves the health and wellbeing of students, staff and the local community.

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 Capital Investment Plan 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.

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.

A pilot reusable cups initiative has been trialled at the College with the aim of tackling the single-use plastic waste problem.

Staff and Student Engagement Activities have been run during Climate Week and Recycle Week Scotland. This form of engagement continues to take place at the College in partnership with the Student Association, the Project and Sustainability Officer (left during AY 18/19) and the Campus Cycling Officer. Students were fully engaged in COP26 events hosted by the College and those hosted at the main event itself.

Development of Sustainability focussed area on the website to showcase projects. https://www.glasgowkelvin.ac.uk/sustainability-estates/

Audit of existing College curriculum carried out to identify Education for Sustainable Development opportunities. Development of the concept of a 'Green Kelvin' to become a key College initiative with a number of components including a 'Green Academy' to meet the needs of the green economy and jobs market.

The College secured funding from a number of key partners to develop its commitment to operating in an environmentally sustainable way. Grants received have enabled the lease of a number of

4d   Where applicable, what progress has the body made in delivering the policies and proposals referenced N1, N2, N3, B1, B2, B3, S1, S2 and S3 in the Scottish Climate Change Adaptation Programme(a) ("the Programme")?
If the body is listed in the Programme as an body responsible for the delivery of one or more policies and proposals under the objectives N1, N2, N3, B1, B2, B3, S1, S2 and S3, provide details of the progress made by the body in delivering each policy or proposal in the report year. If it is not responsible for delivering any policy or proposal under a particular objective enter "N/A" in the 'Delivery progress' column for that objective.

(a) This refers to the programme for adaptation to climate change laid before the Scottish Parliament under section 53(2) of the Climate Change (Scotland) Act 2009 (asp 12) which currently has effect. The most recent one is entitled "Climate Ready Scotland: Scottish Climate Change Adaptation Programme" dated May 2014

Objective	Objective reference	Theme	Policy / Proposal reference	Delivery progress made	Comments
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	Please select from drop down box		
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	Please select from drop down box		
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	Please select from drop down box		
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	Please select from drop down box		
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
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Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
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Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	Please select from drop down box		
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	Please select from drop down box		
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	Please select from drop down box		
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	Please select from drop down box		
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	Please select from drop down box		
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	Please select from drop down box		
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks	Please select from drop down box		
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks	Please select from drop down box		
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks	Please select from drop down box		
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks	Please select from drop down box		
Understand the effects of climate change and their impacts on people, homes and communities.	S1	Society	Please select from drop down box		
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society	Please select from drop down box		
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society	Please select from drop down box		
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society	Please select from drop down box		
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society	Please select from drop down box		
Support our health services and emergency responders to enable them to respond effectively to the increased pressures associated with a changing climate.	S3	Society	Please select from drop down box		
Support our health services and emergency responders to enable them to respond effectively to the increased pressures associated with a changing climate.	S3	Society	Please select from drop down box		
Support our health services and emergency responders to enable them to respond effectively to the increased pressures associated with a changing climate.	S3	Society	Please select from drop down box		
Support our health services and emergency responders to enable them to respond effectively to the increased pressures associated with a changing climate.	S3	Society	Please select from drop down box		

4d (optional) Where applicable, what contributions have been made to the [SCAAP2] Programme?

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 will be refreshed and will seek to take into account future climate change risk. The College does not currently have staffing or financial resources available to address this in more detail.

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.

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 College estate and to address water ingress challenges; Scheduled reporting on Carbon Emissions originating from College Estate; and creation of the following documents: Active Travel Strategy; - Climate Change Adaptation Strategy - Carbon Management Plan; and - Audit of College's existing delivery of Education for Sustainable Development.

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 adaptation.

Implementation and raising awareness of Sustainable Development Goals to students and staff through a number of initiatives e.g. East End Community Garden.The College previously received a Green Gown Award at the prestigious Environmental Association for Universities and Colleges ceremony, for its continued engagement with students on issues relating to the Sustainable Development Goals. This achievement is helping to raise the profile of the College's sustainability initiatives, and also resulted in the College being "highly commended" during the International Green Gown Awards Ceremony in New York. In addition, the College's Glasgow Kelvin Velocity Cycle Hub won an award at the Education Buildings Scotland Award ceremony in Edinburgh. This nomination recognises the work done to encourage uptake of cycling at the College, and its delivery in an innovative teaching and learning space. The College was a finalist in the 2021 Green Gown Awards with its East End Community Garden project.

Public Sector Report on Compliance with Climate Change Duties 2021 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. 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 APUC who use the Sustain Framework to asses and evaluate key suppliers. The College seeks to use APUC negotiated contracts and frameworks wherever possible.

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.

Energy efficient replacement boilers were procured for the Easterhouse, East End and West Campuses; energy efficient hand driers across the College to reduce hand towel consumption and waste; energy efficient LED lighting was installed at Springburn campus and will be extended across the College.

Furthermore, by replacing component parts, the lives of PCs were extended to reduce volume of procurement and waste whilst maintaining performance of devices for longer.

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.

APUC representatives are invited to attend scheduled Estates and Sustainability Working Group meetings.

Public Sector Report on Compliance with Climate Change Duties 2021 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 Corporate Services, Head of Estates and 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 Corporate Services
Date:	30/11/2021

Recommended Reporting: Reporting on Wider Influence

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).
(1) UK local and regional CO2 emissions **subset dataset** (emissions within the scope of influence of local authorities)
(2) UK local and regional CO2 emissions: **full dataset**.
https://www.gov.uk/dataset/723cchd5-2f1a-4d27-8b61-cdb65e5e58f9/emissions-of-carbon-dioxide-for-local-authority-areas.

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

Source	Sector	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Units	Comments
BEIS Sectors	Total Emissions													tCO2	
	Industry and Commercial													tCO2	
	Domestic													tCO2	
	Transport total													tCO2	
	Per Capita													tCO2	
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	
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	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	
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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.

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 CO2 saving once fully implemented (tCO2e)	Latest Year measured	Saving in latest year measured (tCO2e)	Status	Metric/indicators for monitoring progress	Delivery Role	During project/policy design and implementation, has BM 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	
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Please provide any detail on data sources or limitations relating to the information provided in Table 3

Q4) Partnership Working, Communications and Capacity Building
Please detail any of the 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
Please select from drop down box		Please select from drop down box						
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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
Please select from drop down box		Please select from drop down box		
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Q6) Please use the text box below to detail further climate change-related activity that is not noted elsewhere within this reporting template