

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

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			
Please select from drop down box			
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
£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 3 Corporate Emissions, Targets and Project Data

3.1 Emissions
3.1.1 Scope 1 and 2 emissions
3.1.2 Scope 3 emissions

Table with 10 columns: Emission type, Year, Scope, Emissions (tCO2e), and Comments. Rows include Scope 1 and 2 emissions for years 2021-2023.

3.1.3 Emissions from air travel
3.1.4 Emissions from road transport

Large table with 10 columns: Emission type, Year, Scope, Emissions (tCO2e), and Comments. Rows include various Scope 3 emissions categories like air travel, road transport, etc.

3.2 Renewable energy and report of renewable energy
3.2.1 Renewable energy generation

Table with 5 columns: Technology, Total consumed by the body (MWh), Total generated (MWh), Total consumed by the body (MWh), and Comments. Rows include solar, wind, hydro, etc.

3.3 Targets
3.3.1 Emissions reduction targets

Table with 10 columns: Target description, Start year, End year, Target value, and Comments. Rows include various emissions reduction targets for Scope 1, 2, and 3.

3.4 Carbon reduction projects
3.4.1 Carbon reduction projects

Table with 10 columns: Project name, Start year, End year, Target value, and Comments. Rows include various carbon reduction projects like energy efficiency, renewable energy, etc.

3.5 Carbon reduction projects
3.5.1 Carbon reduction projects

Table with 10 columns: Project name, Start year, End year, Target value, and Comments. Rows include various carbon reduction projects like energy efficiency, renewable energy, etc.

3.6 Carbon reduction projects
3.6.1 Carbon reduction projects

Table with 10 columns: Project name, Start year, End year, Target value, and Comments. Rows include various carbon reduction projects like energy efficiency, renewable energy, etc.

3.7 Further information
3.7.1 Further information

3.8 Further information
3.8.1 Further information

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.
Improving existing premises 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 prior resource expo 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 took part in ABCSD 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 focused area on the website to showcase projects. <https://www.gla.ac.uk/sustainability/estate/>
Audit of existing College curriculum carried out to identify Education for Sustainable Development opportunities. Development of the concept of a 'Green Kiosk' 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, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15, N16, N17, N18, N19, N20, N21, N22, N23, N24, N25, N26, N27, N28, N29, N30, N31, N32, N33, N34, N35, N36, N37, N38, N39, N40, N41, N42, N43, N44, N45, N46, N47, N48, N49, N50, N51, N52, N53, N54, N55, N56, N57, N58, N59, N60, N61, N62, N63, N64, N65, N66, N67, N68, N69, N70, N71, N72, N73, N74, N75, N76, N77, N78, N79, N80, N81, N82, N83, N84, N85, N86, N87, N88, N89, N90, N91, N92, N93, N94, N95, N96, N97, N98, N99, N100 in the Scottish Climate Change Adaptation Programme?
If the body is listed in the Programme as a body responsible for the delivery of one or more policies and proposals under the objectives N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15, N16, N17, N18, N19, N20, N21, N22, N23, N24, N25, N26, N27, N28, N29, N30, N31, N32, N33, N34, N35, N36, N37, N38, N39, N40, N41, N42, N43, N44, N45, N46, N47, N48, N49, N50, N51, N52, N53, N54, N55, N56, N57, N58, N59, N60, N61, N62, N63, N64, N65, N66, N67, N68, N69, N70, N71, N72, N73, N74, N75, N76, N77, N78, N79, N80, N81, N82, N83, N84, N85, N86, N87, N88, N89, N90, N91, N92, N93, N94, N95, N96, N97, N98, N99, N100 in the "Delivery progress" column for that objective.
[d] This refers to the programme for adaptation to climate change led before the Scottish Parliament under section 18(2) of the Climate Change (Scotland) Act 2009 (app 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	
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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	
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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	
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	
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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	
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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	
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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	
Understand the effects of climate change and their impacts on people, homes and communities.	S1	Society		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	
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Understand the effects of climate change and their impacts on people, homes and communities.	S1	Society		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	
Understand the effects of climate change and their impacts on people, homes and communities.	S1	Society		Please select from drop down box	

- 4e** (optional) Where applicable, what contributions have been made to the (SCAMP) Programme?
[Empty box]

Review, monitoring and evaluation

- 4a** 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.
- 4c** 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

- 4c** 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 increase College estate and to address more urgent 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

- 4b** Supporting information and best practice
Provide any other relevant supporting information and any examples of best practice by the body in relation to adaptation.
Promotional 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 Award from 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 Award ceremony in New York. In addition to the College's ongoing Active Travel Cycle Hub won an award at the Education Buildings Scotland Award ceremony in Edinburgh. This recognition 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 Award with its East End Community Garden project.

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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.

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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) Report on emissions (and activities) beyond the reporting entity's own operations (e.g. AIGF) and across the value chain. Provide information on the following components using data from the links provided below. Please use (1) in the default unless targets and activities relate to (2)
(1) UK heat and regional CO2 emissions (UK heat and regional CO2 emissions: Global Emissions: UK Heat and Regional CO2 Emissions) (UK heat and regional CO2 emissions: Global Emissions: UK Heat and Regional CO2 Emissions)
(2) EU heat and regional CO2 emissions (EU heat and regional CO2 emissions: Global Emissions: EU Heat and Regional CO2 Emissions)
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/100118/uk-heat-and-regional-co2-emissions-report-2016.pdf

Lead Authority (Please State): Please select from drop down box

EU Heat and Regional CO2 Emissions: Please select from drop down box

Sector	Sub-sector	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Units	Comments
BIS Services	Business and Administrative Services																	1000	
	Business and Administrative Services																	1000	
	Business and Administrative Services																	1000	
	Business and Administrative Services																	1000	
Other Sectors																		1000	

2d) Targets
Please detail your wider influence targets

Sector	Description	Type of Target (Metric)	Baseline value	Start year	Target	Target/2nd year	Being to meet goal measured	Latest Year Measured	Comments

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

Q2) 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 since fully implemented (tCO2e)	Latest Year measured	Saving to meet goal required (tCO2e)	Status	Weak/Inadequate for monitoring progress	Delivery Rate	During proper/policy design and implementation, has UK or an equivalent behavior change not been used?	Please give further details of this behaviour change activity	Value of investment (£)	Operating Costs (£/year)	Primary Funding Source for Implementation of Policy/Action	Comments

Please provide any detail on data sources or limitations relating to the information provided in Table 2

Q3) Partnership Working, Communications and Capacity Building
Please detail your Climate Change Partnership, Communication or Capacity Building Initiatives below.

Key Action Type	Description	Organization's Project Role	Lead Organization (if not reporting organization)	Private Partners	Public Partners	3rd Sector Partners	Outlets	Comments

Q4) Other Sustainable Activities
Q4) Please detail any activities relating to Food and Drink, Biodiversity, Water, Procurement and Reporting on the table below.

Key Action Type	Key Action Description	Organization's Project Role	Impact	Comments

Q5) Please use the text box below to detail further climate change related activity that is not listed elsewhere within this reporting template.