

GLASGOW KELVIN COLLEGE

BOARD OF MANAGEMENT MEETING OF 12 DECEMBER 2022

PUBLIC SECTOR CLIMATE CHANGE DUTIES REPORT – 2021/22

REPORT BY DIRECTOR OF CORPORATE SERVICES

1. Introduction and Purpose

This report is to update members on the recently submitted Public Sector Climate Change Duties Report for Academic Year 2021/22.

2. Public Sector Climate Change Duties Report – 2021/22

The Public Sector Climate Change Duties Report for Academic Year 2021/22 was submitted by the deadline of 30 November 2022. The full submission can be reviewed in **Appendix 1** while emissions breakdowns are attached as **Appendix 2**.

3. Outcome

Glasgow Kelvin College is committed to minimising the negative impact its activities have on the environment. In Academic Year 2015/16 the College prepared its first Climate Change Action Plan (CCAP) and reported on its environmental performance from Academic Year 2014/15 onwards as part of the Scottish Government Public Bodies Climate Change Duties Reporting. The College is fully compliant with the reporting requirements specified in the Climate Change (Scotland) Act 2009. It now has several years of carbon emissions data.

The College can report that annual carbon emissions have continued to reduce and, for Academic Year 2021/22, fell from 1,591 tonnes tCO₂e to 1,394 tonnes tCO₂e marking a 12% reduction compared with 2020-21 figures.

Further analysis of the data in the 2021/22 Public Sector Climate Change Duties Report shows that:

- Current levels of carbon emissions at the College (measured in tCO₂e or tonnes of carbon emissions) have fallen by 60% since the baseline year of 2014/15 i.e., from 3,257 tCO₂e to a current level of 1,394 tCO₂e;
- Grid electricity usage fell by 17% during 2021/22 (this followed an increase of the same magnitude during 2020/21);
- Gas usage during 2021/22 fell by a further 2.7% following a fall of 13.47% recorded in 2020/21;

- While staff travel by private car has increased since 2020/21, there has been a sharp decrease of some 75% in the use of private cars since pre-pandemic levels recorded in 2019/20. Consequently, emissions here have dropped from 12.8 tonnes tCO₂e to 3.1 tonnes tCO₂e recorded in 2021/22;
- Over 70 tonnes tCO₂e have been saved following the curtailment of staff travelling by train or flying;
- Water usage over the period shows a slight increase on the previous year, again partly due to the gradual return to campus during the period;
- Emissions associated with waste continue to fall while the amount of waste material being recycled has increased.

As reported within the Public Sector Climate Change Duties Report, the five main targets for Glasgow Kelvin College during Academic Year 2022/23 are:

1. Increase the Active Travel modal share of the College. Driving this forward will involve the promotion and use of eBikes purchased;
2. The Environment and Sustainability Manager to embed sustainability into Learning and Teaching at the College;
3. Implement actions of our revised Climate Change Action Plan and Estates and Sustainability Strategy to further improve carbon footprint reporting, identification of climate change risks, and subsequent mitigation strategies;
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. Progress proposals for the development and installation of a ground source heat pump at Springburn campus.

The College will publish its Public Sector Climate Change Duties Report – 2021/22 on its website as per previous years, ensuring that the College complies in full with the requirements of the Climate Change (Scotland) Act 2009 including the reporting requirements.

4. Resource Implications

There are substantial resource/time implications involved in terms of gathering, analysing and implementing data to make this regulatory return; these reporting requirements are ever-increasing.

5. Impact on Students

There are no direct impacts on students arising from the College's submission of an annual Public Sector Climate Change Duties Report.

6. Equalities

No adverse impacts on individuals with protected characteristics have been identified as a consequence of this report.

7. Risk and Assurance

Risk to the College is mitigated by ensuring that the Board receive assurance that the College is complying with environmental regulations.

8. Data Protection

No data protection issues are identified arising from this report.

9. Recommendation

Members of the Committee are asked to:

- i) note the content of this report and its appendices.

10. Further Information

Members can obtain further information on the contents of this report from Lisa Clark, Director of Corporate Services - lisaclark@glasgowkelvin.ac.uk or Roddy MacKenzie, Regulations and Compliance Manager on rmackenzie@glasgowkelvin.ac.uk

Lisa Clark/Roddy MacKenzie
December 2022

Public Bodies Climate Change Duties Compliance Reporting Template 2021/22

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 may not be accepted for analysis and may be classed as non-compliant with Public Bodies Duties legislative reporting requirements.



2. Guidance

1. Please save-as this workbook with your organisation's name in the title before completing
2. Question 1f must be completed to ensure the correct emission factors are applied in Q3b,
3. If you need to add more rows please email the file to ccreporting@ed.ac.uk
4. Hybrid/homeworking emissions - please include an estimate of FTEs working remotely - hybrid/home in the designated row provided in table 3b
In order for this to be calculated correctly the total no. of FTEs must be entered in Q1c
5. Local Authorities completing the recommended tab 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

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

Appendix 1

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Appendix 1

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Recommended Reporting: Reporting on Wider Influence

Wider Impact and Influence on GHG Emissions

011 Website Excludes Local Authorities Only

Please note: These statistics cover territorial emissions of carbon dioxide (CO₂), methane (CH₄) and nitrous oxide (N₂O), although 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.

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

<https://data.gov.nl/dataset/723c243b-21a6-4d07-bb61-c0b31c6320> (retrieved 01.06.2019)

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2a) Targets

[illegible]

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.

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Q3) Policies and Actions to Reduce Emissions

[illegible]

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

Q4) Partnership Working, Communications and Capacity Building

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Other Notable Reportable Activity

Q6) Please detail key actions relating to

Procurement and Resource Use in the tax

Figure 1

[illegible]

Q9 Please use the text box below to detail further climate change related activity that is not noted elsewhere within this reporting template

[illegible]

Appendix 2 – Extract from PBCCDR: Emissions and breakdown of emissions sources

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	tCO ₂ e	
Year 1 carbon footprint	2015/16	Academic	1,132	1,369	116	2,617	tCO ₂ e	
Year 2 carbon footprint	2016/17	Academic	754	1,021	99	1,874	tCO ₂ e	
Year 3 carbon footprint	2017/18	Academic	826	837	132	1,795	tCO ₂ e	
Year 4 carbon footprint	2018/19	Academic	790	701	114	1,605	tCO ₂ e	
Year 5 carbon footprint	2019/20	Academic	804	549	109	1,462	tCO ₂ e	
Year 6 carbon footprint	2020/21	Academic	939	475	177	1,591	tCO ₂ e	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	tCO ₂ e	

Scope 1 emissions - the Green House Gas (GHG) emissions that a company makes directly. In other words, emissions are released into the atmosphere as a direct result of a set of activities, at an organisational level.

Scope 2 emissions - are the emissions an organisation makes indirectly. This could be from the generation of purchased energy, from a utility provider. In other words, all GHG emissions released in the atmosphere, from the consumption of purchased electricity, steam, heat and cooling

Scope 3 emissions - These are the emissions that are not included in scope 2 and classed as indirect emissions. In other words, emissions are linked to an organisation's operations. This can be variety of emissions including the organisation's supply/value chain.

Appendix 2 – Extract from PBCCDR: Emissions and breakdown of emissions sources

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