

Glasgow Kelvin College

Financial Control Committee – 22 November 2017

Public Sector Climate Change Duties Report

**Report by Vice Principal – Finance & Corporate Services & Head of Facilities
and Environmental Sustainability**

1. Introduction

Members will be aware that the Scottish Government now require all public bodies to submit a Climate Change Report on an annual basis. The purpose of this report is to provide members of the Financial Control Committee with a copy of the College submission for academic session 2016/17 and provide a high level summary of its performance in respect of carbon emissions over the past three years.

2. Climate Change Reporting

The College prepared its first Climate Change Action Plan (CCAP) in November 2015. This document calculated the carbon baseline for the College and set the carbon management priorities. The College now has a Sustainability and Estates Section on its website and the CCAP sits in there.

The College also submitted a Climate Change report in November 2015 to the Scottish Government, which was the pilot year for the Public Sector Climate Change reporting. This calculated the baseline carbon footprint for the College at 3,257 tonnes of CO₂ emissions for academic year 2014/15. The CCAP provides a full analysis of where these emissions arose from in that year, the majority of carbon produced by the College relates to gas and electricity usage at the campus buildings. Water, travel and vehicle fleet emissions are also calculated and contribute to the total.

Appendix 1 provides the College Climate Change Report for academic year 2016/17. This document is due to be submitted to the Scottish Government by 30 November 2017.

The report indicates that measured carbon emissions have reduced overall by 1,383 tonnes CO₂ over the three years for which the College has calculated the data. This is a 42% reduction in total. The headline figure calculated is that carbon dioxide emissions have reduced from 3,257 tonnes in session 2014/15 to 2,617 tonnes in 2015/16 and then to 1874 tonnes in session 2016/17.

This is due to two main factors. Firstly, energy consumption in the College Estate reduced by around 33% (measured in kwh). This is largely due to the closure and sale of City Campus in August 2016 although there were other areas where energy consumption reduced. It should also be noted that College teaching activity and staffing levels was lower in 2016/17. Secondly, the conversion factor used to convert grid electricity from kwh to tonnes of CO₂ has improved by 28%. This is as a result of the electricity grid becoming less

dependent upon carbon generating energy sources. The conversion factor is provided in the on-line reporting template and is not calculated by the College.

There were also significant reductions in staff travel during and diesel usage in the College vehicle fleet during the year which has also had a slight positive impact on emissions.

The report submitted to the Scottish Government lists all the drivers of carbon emissions the College is currently able to measure and report on. Energy and water are broken down by campus and reviewed in detail by the Sustainable Development Committee and the Estates management team. In addition the report highlights areas of good practise within the College and outlines 5 key priorities for the coming year as listed below:

- commit to the Sustainable Development Goals Accord;
- allocate specific responsibility to a senior member of teaching staff for the embedding of sustainability in the curriculum;
- refresh the Climate Change Action Plan and Estates Strategy;
- increase profile of Sustainable Development Committee in College; and
- seek designation as a Cycle Friendly Campus.

It is intended that the College will refresh its Climate Change Action Plan and Estates Strategy during session 2017/18 to establish new specific targets and projects going forward. These are, however, likely to be more modest in terms of carbon reduction in comparison with the reduction already achieved. These reports will provide a more detailed analysis of emissions by building and type. They will also provide baseline waste recycling and volume data to enable improvement targets to be set for future years.

Finally, members should note that a summary of these figures is included in the annual report and the College has established a Sustainability section on the web-site.

3. Resource Implications

There are no resource implications associated with the contents of this report. Reduced emissions are an indicator that savings are being achieved in respect of utility costs. The Estates budget has been reduced accordingly over the past 2 years.

4. Equality Impact

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

5. Risk

The Climate Change reporting template suggests that the College should consider and seek to manage the risks associated with Climate Change. The Sustainable Development Committee will consider this in the first instance.

6. Recommendations

Members of the Financial Control Committee are recommended to:

- i) note the contents of this report and its appendix;
- ii) note the reduction in calculated Carbon emissions;
- iii) endorse the Climate Change report for submission to the Scottish Government; and
- iv) refer this report to the Board of Management to ensure sustainability remains a College priority.

7. Further Information

Members may obtain further information relating to the contents of this report from James Gow, Vice Principal – Finance & Corporate Services, jgow@glasgowkelvin.ac.uk, Lisa Clark, Director of Corporate Services, lisaclark@glasgowkelvin.ac.uk, Ian Gordon, Head of Facilities & Environmental Sustainability, igordon@glasgowkelvin.ac.uk or the Principal, asherry@glasgowkelvin.ac.uk.

TABLE OF CONTENTS

Required

PART 1: PROFILE OF REPORTING BODY

PART 2: GOVERNANCE, MANAGEMENT AND STRATEGY

PART 3: EMISSIONS, TARGETS AND PROJECTS

PART 4: ADAPTATION

PART 5: PROCUREMENT

PART 6: VALIDATION AND DECLARATION

Recommended Reporting: Reporting on Wider Influence

RECOMMENDED – WIDER INFLUENCE

OTHER NOTABLE REPORTABLE ACTIVITY

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

PART 1: PROFILE OF REPORTING BODY

1(a) Name of reporting body
Glasgow Kelvin College

1(b) Type of body
Educational Institutions

1(c) Highest number of full-time equivalent staff in the body during the report year
458

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

Metric	Unit	Value	Comments
Number of full-time students	number FTS	5578	3577 FE, 2001 HE
Floor area	m2	31867	1922 West Campus, 4771 Easterhouse, 6459 East End Campus , 18715 Springburn

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

Budget	Budget Comments
30491000	Spend excludes £2.8m donation to arms length foundation

1(f) Report year
Specify the report year.

Report Year	Report Year Comments
Academic	

1(g) 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 is as a result of the planned closure and sale of the College's City Campus in August 2016 which has reduced both physical capacity and emissions. The College also reduced further in size in terms of learners enrolled and staff employed during 2016/17. The College enrolled 13,100 full and part time learners during the year, 93% of whom reside in the Glasgow area. The College seeks to manage its own impact on the environment and a number of its programmes incorporate climate change and related topics, particularly in science, construction and engineering programmes. The College publishes an annual report and context statement which describe the full range of activities, mission and vision of Glasgow Kelvin College in detail.

PART 2: GOVERNANCE, MANAGEMENT AND STRATEGY

2(a) 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.

The Board of Management are responsible for oversight of the strategic direction of the College and set the Strategic Plan. Corporate and Social Responsibility (CSR) is 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 over the past two years. The targets set in that document which were to reduce carbon emissions by 25% over two years have been exceeded. Additionally, the College has developed a Capital Investment Plan which specifically allocates resource to the Sustainable Development Committee who are tasked with improving the overall environmental performance of the College overall.

In respect of governance, responsibility for oversight of Capital Investment in Estates and ICT is delegated to the Financial Control Committee (FCC). The FCC review the Capital Investment Plan, Climate Change Action Plan, ICT Strategy and Estates Strategy prior to consideration by the Board of Management.

The Board are committed to addressing Climate Change and sustainability more widely, this is demonstrated by:

- energy and waste reduction targets in Climate Change Action Plan
- establishment of Sustainable Development Committee
- allocation of capital budget to Sustainable Development Committee and to projects which help address climate change
- inclusion of commitment to sustainability and ethical procurement in the Procurement Strategy
- commitment to the Sustainable Development Goals Accord

2(b) How is climate change action managed and embedded by 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 (JPEG, PNG, PDF, DOC)

The Principal has overall responsibility for the management of the College. The Vice Principal - Finance & Corporate Services has overall responsibility for Climate Change and Climate Change Reporting. The Director of Corporate Services chairs the Sustainable Development Committee 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 Capital Investment Plan allocates £35k per year to the Sustainable Development Committee. It is then up to the Committee to recommend how this funding is invested in projects which will improve the College's performance in respect of environmental sustainability. This is in addition to other investments which either aim to improve environmental performance as a primary target or include energy consumption and / or waste reduction as part of the project.

The VP, Director and Head of Facilities and Environmental Sustainability have strategic and operational responsibility for Environmental Sustainability. The VP also has responsibility for Procurement, ICT and Finance which helps ensure sustainability is embedded within other key corporate processes, procedures and strategies.

The College is looking at further structural change which would allocate responsibility for embedding sustainability within the curriculum as a priority for 2018 and beyond.

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 and the national priority to move towards national collective bargaining is resulting in resources being prioritised towards paying staff more, this reduces 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.

2(c) 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.

Objective	Doc Name	Doc Link
Working Sustainably & Transparently: -Manage College Resources to deliver financial security and long term sustainability -Utilise the College Estate effectively and efficiently	Strategic Plan	http://www.glasgowkelvin.ac.uk/wordpress/wp-content/uploads/2017/07/GKC-Strategic-Plan-2017-20.pdf

2(d) 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 Strategy - <http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability>

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

2(e) 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 Strategy	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	The Estates Strategy and associated capital investment plan prioritise the maintenance and repair of internal and groundwater drainage systems and works to ensure buildings remain watertight and are maintained for long term use.
Business travel	Climate Change Action Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	The international strategy seeks to provide a rationale for the foreign trips undertaken by College staff and learners which are relatively few in number.
Staff Travel	Climate Change Action Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	The College is developing its cycling facilities to try to reduce staff reliance on cars and improving timetabling to reduce inter campus travel.
Energy efficiency	Estates Strategy & Climate Change Action Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	Reduction forecast in the CCAP has been exceeded and reported elsewhere in this report.
Fleet transport	Estates Strategy & Capital Investment Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	College now operating 2 electric vehicles which have replaced 2 diesel vans.
Information and communication technology	ICT Strategy	http://www.glasgowkelvin.ac.uk/plans-strategies/	2016/17 - 2021/22	ICT Strategy proposes move to thin client infrastructure, part of the business case for this was to reduce electricity consumption and costs. Investment in video conferencing facilities also planned.
Renewable energy	Estates Strategy & Climate Change Action Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	Priority to maintain existing assets which include air source heat pumps, bio-mass boiler and photo-voltaic cells. Insufficient capital resource to make further investment in this area.
Sustainable/renewable heat	Estates Strategy & Climate Change Action Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	As above - maintain bio mass boiler, insufficient resources to invest further.
Waste management	Estates Strategy & Climate Change Action Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	College now has baseline waste and recycling data following transition to new contract.
Water and sewerage	Climate Change Action Plan	http://www.glasgowkelvin.ac.uk/governance/estates-and-sustainability	2015/16 - 2020/21	Work has been undertaken to address drainage issues, leaking pipes and cisterns to reduce water consumption in partnership with Anglian Water.
Land Use	None			
Other (state topic area covered in comments)				

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

2(f) 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.

- Commit to the Sustainable Development Goals Accord
- Allocate specific responsibility to a senior member of teaching staff for the embedding of sustainability in the curriculum
- Refresh the Climate Change Action Plan and Estates Strategy
- Increase profile of Sustainable Development Committee in College
- Seek designation as a Cycle Friendly Campus

2(g) 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.

No - the College has not yet undertaken this self-assessment

2(h) 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 makes a specific budgetary allocation in its capital plan to the sustainable development committee to enable that committee to make a meaningful decisions about priorities for improving performance.
It continues to report performance within its annual report.

PART 3: EMISSIONS, TARGETS AND PROJECTS

3a Emissions from 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 year which is used as a baseline 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.							
Reference Year	Year	Scope1	Scope2	Scope3	Total	Units	Comments
Baseline carbon footprint	2014/15	1237	1913	107	3257	tCO2e	
Year 1 carbon footprint	2015/16	1132	1369	116	2617	tCO2e	
Year 2 carbon footprint	2016/17	754	1021	99	1874	tCO2e	

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

3b Breakdown of emission 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, for any such category of emission source, it is not possible to provide a simple emission factor(a) leave the field for the emission factor blank and provide the total emissions for that category of emission source in the 'Emissions' column.									
Total	Comments – reason for difference between Q3a & 3b.	Emission source	Scope	Consumption data	Units	Emission factor	Units	Emissions (tCO2e)	Comments
1873.9		Natural Gas	Scope 1	4089344	kWh	0.1841639 89077374	kg CO2e/kWh	753.1	
		Grid Electricity (generation)	Scope 2	2904929	kWh	0.35156	kg CO2e/kWh	1021.3	
		Biomass (Wood Pellets)	Scope 1	10	tonnes	59.45671	kg CO2e/tonne	0.6	
		Average Car - Unknown Fuel	Scope 3	73080	km	0.18242	kg CO2e/km	13.3	improved timetabling, reduced no. of campuses and reduced staffing levels
		Van - Average (up to 3.5 tonnes) Diesel	Scope 3	43900	km	0.2574911 98882056	kg CO2e/km	11.3	reduced number of campuses and increase number and use of electric vehicles
		Water - Supply	Scope 3	17760	m3	0.344	kg CO2e/m3	6.1	reduced number of campuses, some leaks addressed during year
		Water - Treatment	Scope 3	16873	m3	0.708	kg CO2e/m3	12.0	as above
		Taxi (black cab)	Scope 3	5361	passenger km	0.21337	kg CO2e/passenger km	1.1	increase due to new Foundation Apprenticeship Contract
		Long-haul flights (Economy Class)	Scope 3	259100	passenger km	0.15119	kg CO2e/passenger km	39.2	
		Short-haul flights (Economy class)	Scope 3	97650	passenger km	0.15845	kg CO2e/passenger km	15.5	
		Rail (National rail)		10100	passenger km	0.04678	kg CO2e/passenger km	0.5	

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

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.					
Technology	Renewable Electricity		Renewable Heat		Comments
	Total consumed by the organisation (kWh)	Total exported (kWh)	Total consumed by the organisation (kWh)	Total exported (kWh)	
Biomass			48000		0 energy generated is not measured (apart from biomass) or exported

3d 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	Progress against target	Year used as baseline	Baseline figure	Units of baseline	Target completion year	Comments
Closure of city campus	annual	880	tCO2e reduction	Energy use in buildings	949	2014/15	3150	tonnes	2016/17	Annual reduction target achieved in full from August 2016 onwards
Improve Cycling facilities and timetabling	annual	100	Kilometres reduction	Staff travel	18,000	2014/15	167115	km	2016/17	Annual reduction target exceeded, staff travel reduced due to reduction in campus buildings, reduced staff numbers and cycling facilities improved
Close City Campus	annual	1900	M3 reduction	Water and sewerage	0	2014/15	17308	M3	2016/17	Building closed but other issues with leaks has meant reduction in consumption has not been achieved

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

3e Estimated total annual carbon savings from all projects implemented by the body in the report year			
Total	Emissions Source	Total estimated annual carbon savings (tCO2e)	Comments
956.00	Electricity	467	estimated reduction against baseline from closure of city campus
	Natural gas	482	as above
	Other heating fuels	0	
	Waste	0	
	Water and sewerage	0	
	Business Travel	0	
	Fleet transport	7	reduction due to closure of City Campus and 1 diesel vehicle being replaced with an electric one
	Other (specify in comments)		

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
Estates Rationalisation - closure of City Campus	building sale	2016/17	Actual	0	0	50	Grid Electricity	949	600000	N/A	achieved

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

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.				
Total	Emissions source	Total estimated annual emissions (tCO2e)	Increase or decrease in emissions	Comments
-200.00	Estate changes			
	Service provision	200	Decrease	reduced activity in college due to transfer of activity to City of Glasgow College and sale of City Campus.
	Staff numbers			
	Other (specify in comments)			

3h Anticipated annual carbon savings from all projects implemented by the body in the year ahead			
Total	Source	Saving	Comments
24.00	Electricity	20	from installation of thin client infrastructure, saving achieved from 2018/19 onwards
	Natural gas		
	Other heating fuels		
	Waste	2	saving from paper and building materials consumption
	Water and sewerage	2	savings from repairs to water systems
	Business Travel		
	Fleet transport		
	Other (specify in comments)		

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

3i Estimated decrease or increase in the body's emissions attributed to factors (not reported elsewhere in this form) in the year ahead				
If the emissions are likely to increase or decrease due to any such factor in the year ahead, provide an estimate of the amount and direction.				
Total	Emissions source	Total estimated annual emissions (tCO2e)	Increase or decrease in emissions	Comments
0.00	Estate changes			
	Service provision			
	Staff numbers			
	Other (specify in comments)			

3j Total carbon reduction project savings since the start of the year which the body uses 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	Comments
949	949 tonnes of overall reduction is due to changes made by College, most of balance relates to improvements in conversion factors.

3k Supporting information and best practice

Provide any other relevant supporting information and any examples of best practice by the body in relation to its emissions, targets and projects.

PART 4: ADAPTATION

4(a) Has the body assessed current and future climate-related risks?

If yes, provide a reference or link to any such risk assessment(s).

No

4(b) 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.

College has Estates Strategy and Climate Change Action Plan only. Environmental Impact is included in the College Risk Register. The Capital Investment Plan does target resource on dealing with water ingress and drainage issues but does not specifically address the potential impact of increased rainfall and groundwater levels as a consequence of climate change.

4(c) 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.

College is seeking to improve the profile of its Sustainable Development Committee, it has reviewed the Job Description relating to the Head of Facilities and Environmental Sustainability and has put in place staff development, exchange visits and has engaged effectively with EAUC in respect of environmental sustainability issues.

4(d) 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")?

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

4(d) 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 a 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 made' 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			
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment			
Sustain and enhance the benefits, goods and services that the natural environment provides.	N3	Natural Environment			
Understand the effects of climate change and their impacts on buildings and infrastructure networks.	B1	Buildings and infrastructure networks			
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks			

Public Sector Climate Change Duties 2017 Summary Report: Glasgow Kelvin College

4(d) 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 a 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 made' 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
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks			
Understand the effects of climate change and their impacts on people, homes and communities.	S1	Society			
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society			
Support our health services and emergency responders to enable them to respond effectively to the increased pressures associated with a changing climate.	S3	Society			

4(e) 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 Strategy will be refreshed in 2018 and will seek to take into account future climate change risk. The College does not have staffing or financial resources available to address this in more detail.

4(f) 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).

None at present.

4(g) What are the body's top 5 priorities for the year ahead in relation to climate change adaptation?

Provide a summary of the areas and activities of focus for the year ahead.

Address water ingress issues in buildings
Repair and better maintain site drainage systems

4(h) Supporting information and best practice

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

PART 5: PROCUREMENT

5(a) 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 revised its Procurement Strategy and supporting policies and procedures recently. 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.

5(b) 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.

Re tendering of the Waste Management contract was the main procurement related project delivered in 2016/17. The new contracts requires the provider of waste services to report on waste and its destination - landfill, recycling etc.

Energy efficient replacement boilers were also procured for the Easterhouse Campus and energy efficient hand driers at Springburn to reduce hand towel consumption and waste. Tender opportunities above £50k include a sustainability assessment as part of the tender evaluation criteria.

5(c) Supporting information and best practice

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

PART 6: VALIDATION AND DECLARATION

6(a) Internal validation process

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

Data checked for reasonableness only

6(b) Peer validation process

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

Reasonableness check only

6(c) External validation process

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

none - there is no budget for this

6(d) 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, the college finance system 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 neither staff capacity or 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	Role in the body	Date
James Gow	Vice Principal	

RECOMMENDED – WIDER INFLUENCE

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**:

Select the default target dataset

Table 1a - Subset

Sector	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Units	Comments

Table 1b - Full

Sector	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Units	Comments

Q2a – Targets

Please detail your wider influence targets

Sector	Description	Type of Target (units)	Baseline value	Start year	Target saving	Target / End Year	Saving in latest year measured	Latest Year Measured	Comments

Q2b) 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.

The College is seeking to further raise awareness amongst its staff and learners and embed sustainability in the curriculum. Embedding sustainability in the curriculum will have an impact upon a wide variety of industries as learners progress into employment and further their careers. It is not possible to express this as a specific target.

Q3) Policies and Actions to Reduce Emissions

Sector	Start year for policy / action implementation	Year that the policy / action will be fully implemented	Annual CO2 saving once fully implemented (tCO2)	Latest Year measured	Saving in latest year measured (tCO2)	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 provide any detail on data sources or limitations relating to the information provided in Table 3

Q4) Partnership Working, Communication and Capacity Building.
Please detail your Climate Change Partnership, Communication or Capacity Building Initiatives below.

Key Action Type	Description	Action	Organisation's project role	Lead Organisation (if not reporting organisation)	Private Partners	Public Partners	3rd Sector Partners	Outputs	Comments

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

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