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

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PART 1 Profile of Reporting Body

1a Name of reporting body

Provide the name of the listed body (the "body") which prepared this report.

Fife Council

1b Type of body

Select from the options below

Local Government

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

15,272 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	67.10	Units are kWh per m2. We monitor electricity consumption in kWh per m2 of GIA.
Floor area	m2	103.00	Units are kWh per m2. We monitor oil consumption (burning oil / kerosene) in kWh per m2 of GIA.
Floor area		65.93	Units are kWh per m2. We monitor the consumption of green electricity via Fife Council generation, in kWh per m2 of GIA.
Floor area	m2	35.11	Units are kg CO2 per m2. We monitor our overall carbon intensity in kg CO2 per m2 of GIA.
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Other (please specify in comments)	m2	112.88	Rates per sqm are calculated against assets where there are both a GIA value and energy consumption for the utility, i.e. the GIA of assets that have no Gas consumption are not included in the calculation of the rate per sqm.
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
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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
826,015,000	Funding of Net Expenditure 20/21 - page 3 from 20-21 CBP - Budget Brief

1f Report type

Specify the report year type

Report type	Report year comments
Financial	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.

As a Local Authority we are considered to be a major player under the Climate Change Act's public duties reporting requirements. As a major player we feel that it is important to offer leadership within our wider region. While the Council's direct footprint only represents 3% of Fife's total carbon footprint, through our policies, projects and service delivery we have an influence over upwards of 33% of Fife's total carbon footprint. Our influence on Fife-wide emissions can be direct or indirect. After the NHS, the Council is the largest employer in the region. We are a major landowner in Fife. We also operate a large property portfolio within Fife which comprises thousands of properties from leisure centres, offices, schools, landfill sites, and care homes to social housing units. We also set planning policy and make strategic decisions about where and how Fife should be developed in the future. These decisions will shape Fife's future resilience to the projected impacts of climate change and our future emissions trajectory. As a Local Authority in an area with an expanding population Fife Council provides a wide range of services that are relevant to climate change reporting. Some of the ways that the Council influences emissions and adaptive capacity include:

• The development of strategic transport policy; • Roads design and maintenance works; • Operation and maintenance of street lighting;

• Our decisions about where to site assets and how we build, operate and maintain them (such as schools and leisure centres) and how these will be linked to the transport network, powered, landscaped;

• Development of low carbon transport networks such as electric and hydrogen vehicles; • Development of active travel networks to encourage walking and cycling; • Council subsidy of commercial passenger transport (i.e. bus routes); • Council provision of accessible transport for vulnerable residents (Fifebus);

• Contracting bus and taxi transportation for school children; Our procurement of low carbon transport technologies (EV's, hybrid EV's and hydrogen / diesel hybrids) for Council and community use; • Supporting fuel efficient driving schemes both within the Council fleet and with fleet operators across Fife (ECOStars scheme); • How and where we place residents who are seeking social housing (i.e. close to family and their place of work);

• How Council staff work (improved services to work from home during COVID; • The development of planning policy and planning guidance;

• Granting planning permission;• Building standards inspections; • Decisions about the Council's afforable housing prorgamme; • Providing discounted insulation and other energy efficiency measures to private and social housing residents; • Working with local businesses to share best practice in terms of emissions reductions. Fife Council influences emissions from land use and land use change in a number of ways too, including:• Waste management and waste disposal options;• Management of our own significant land-holdings;• Expanding our use of biofuel powered heating systems;• Flood risk management and coastal protection;• Encouraging biodiversity, reforestation and natural flood management by the use of blue –green infrastructure;• Using regeneration to achieve sustainability and climate change objectives;• Building local networks (e.g. Fife Environmental Partnership) to share environmental best practice and partnership solutions; and• Working with local landowners to share best practice in terms of emissions reduction and using the land to enhance adaptive capacity. The list above is not exhaustive but illustrates the sheer depth and breadth of services provided by the Council and some of the ways that we can influence climate change mitigation and adaptation in Fife.

Public Sector Report on Compliance with Climate Change Duties 2021 Template

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.

Policy and strategy regarding climate change are agreed by Committee. Notably the Environment & Protective Services Sub-Committee which approves climate strategy and scrutinises and approves the Public Bodies Climate Change Duties Report. Other committees with a role in climate change include the 'Economy, Tourism, Transportation & Strategic Planning Committee' for climate change regarding transportation, econonmic developemtn, strategic planning and other matters. Planning Committees scrutinise planning and related applications, and Local Area Committees approve implementation of projects at a local level. For the forthcoming review of the Local Development Plan, Fife Council will consider approval of key stages of the Plan.
Climate change strategy is implemented and managed through the Climate Change Delivery Leadership Board. With overall strategic direction and oversight of delivery of services conducted by the Council Executive Team (CET). CET is the most senior management body in the council, made up of the Chief Executive and the five Executive Directors.
Fife Council also operates within the Fife Partnership (the Community Planning partnership which includes wider public sector organisations). They produce Fife's Local Outcome Improvement Plan / Community Plan called 'A Plan for Fife' (http://publications.fifedirect.org.uk/c64_Plan_for_Fife_FPB_21nov17.pdf), with cross-partner environmental strategy and action undertaken by the Fife Environmental Partnership (FEP). FEP's role within The Plan for Fife is to develop and deliver environmental projects. FEP monitors implementation of Fife's strategy "Climate Fife" and annual reporting is undertaken to the Fife Partnership on progress.
The Addressing Climate Change - Delivery Board / Programme Leadership Board reports to the Fife Partnership Board and Recovery and Renewal Leadership Group. Membership includes Executive Director, E&E, (Lead); Head of Planning, Head of Finance, Director of Property and Management (NHS), Head of A,T&E, Chair of Fife Environmental Partnership, Head of Customer Service & Support Zero Waste Scotland.

<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.

Climate change strategy is implemented and managed through the Climate Change Delivery Leadership Board. With overall decision making in relation to climate change and delivery of services conducted by the Council Executive Team (CET). CET is the most senior management body in the council, made up of the Chief Executive and the five Executive Directors. Duties and responsibilities are cascaded through directorate and service management teams.

<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
Reducing the impact of the climate emergency	Plan4Fife	In draft, not published at time of Committee approval.
Greater resilience to climate change	Plan4Fife	In draft, not published at time of Committee approval.
Increased community capacity to tackle climate	Plan4Fife	In draft, not published at time of Committee approval.
Reduced carbon emissions	Plan4Fife	In draft, not published at time of Committee approval.

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

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

Climate Fife - https://www.fife.gov.uk/__data/assets/pdf_file/0028/219970/Climate-Fife-Sustainable-Energy-and-Climate-Action-Plan-2020-2030.pdf

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	Climate Change Adaptation Framework, 20	Internally hosted, available on request	2010-2060	This Climate Change Adaptation Framework assesses the
Business travel	Fife Council Travel Plan	Internally hosted, available on request	2000, but updated regularly as the	
Staff Travel	Fife Council Travel Plan	Internally hosted, available on request	2000, but updated regularly as the	
Energy efficiency	Fife Council's Carbon Management Plan	available on request, not a public document	2017-2050	Internal Targets in line with Net Zero by 2045
Fleet transport	Electric Vehicle and Charging Point Policy	Available on request, not public document.		Fleet Services continued investment in Electric Vehicles,
ICT	Building a "Digitally Savvy" Council: Fife Cou	Internally hosted, available on request	2016-2019	Rolled over into COVID year and under review as come out
Renewable energy	Fife Council's Carbon Management Plan	Available on request, not public document.	2017-2050	Internal Targets
Sustainable/renewable heat	Fife Council's Carbon Management Plan	Available on request, not public document.	2017-2050	Internal targets
Waste management	Zero Waste Fife	https://www.fife.gov.uk/kb/docs/articles/bins-and-recycling/resour	2018-2028	Strategy & top level action plan
Water and sewerage	No formal strategy			
Land Use	The Fife Forestry and Woodland Strategy, 2	http://publications.fifedirect.org.uk/c64_FifeForestryWoodlandStra	2013 - ongoing	Fife's trees, forests and woodlands provide a wide range of
Other (please specify in comments)	Fife Procurement Strategy	This document is not currently hosted online in the public domain.	2011-2020	Our Procurement strategy describes the policies which
Land Use	Fife LocalBiodiversityAction Plan(LBAP), 201	https://www.fife.gov.uk/__data/assets/pdf_file/0024/191175/Fife	2013-2018	Rolling docment, still active. Working closely with Fife
Adaptation	Shoreline Management Plan	https://www.fife.gov.uk/__data/assets/pdf_file/0020/270461/Fife-		
Adaptation	Flood Management Strategy	https://www2.sepa.org.uk/frmstrategies/pdf/lpd/LPD_07_Full.pdf h	various	Districts 7, 8, 9 and 10 hosted by SEPA
Adaptation	Local Flood District Plans	https://www.angus.gov.uk/media/tay_estuary_and_montrose_bas	various	Local PLan District 7, 8, 9 and 10 hosted by other LA's
Other (please specify in comments)	SEStran Regional Transport Strategy	https://sestran.gov.uk/publications-category/strategy/		Transportation
Other (please specify in comments)	SEStran Freight Transport Strategy	https://sestran.gov.uk/publications-category/strategy-freight/		Transportation
Energy efficiency	Lighting Column Replacement Programme	Internally hosted, available on request	2013-2020	Energy efficient laternd replacemnt- Light Fife Green
Adaptation	Bridge strengthening pogramme	Internally hosted, available on request		Strengthening required due to the effects of climate
Other (please specify in comments)	Local Transport Strategy	Internally hosted, available on request	2006 - 2026	This Local Transport Strategy 2006 (LTS) sets the 5 year
Other (please specify in comments)	Fife Wide Parking Strategy	Internally hosted, available on request		Transportation
Other (please specify in comments)	Fife Safer Travel Plan	Internally hosted, available on request		Transportation
Other (please specify in comments)	School Travel Plan Strategy	Internally hosted, available on request		Transportation
Adaptation	Fife Safeguarding of Infrastructure Program	Internally hosted, available on request		Transportation
Other (please specify in comments)	Roads Maintenance Policies and Standards	Internally hosted, available on request		Transportation
Other (please specify in comments)	Fife Local Development Plan	https://fife-consult.objective.co.uk/portal/fife_ldp/fifeplan_-_adopt	2017-2027	Relates mainly to Land Use, but also Renewable Energy,
Other (please specify in comments)	Low Carbon Supplementary Guidance	https://www.fife.gov.uk/kb/docs/articles/planning-and-building2/pl	2017-2027	Relates to Renewable Energy, Sustainable/Renewable

Other (please specify in comments)	Making Fife's Places Supplementary Guidan	https://www.fife.gov.uk/kb/docs/articles/planning-and-building2/pl	2017-2027	Relates mainly to Land Use, but also Adaptation and
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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.

1. The Addressing Climate Change - Delivery Board / Programme Leadership Board is implemeted and effective. 2. Deliver the objectives in the Plan 4 Fife. 3. Deliver internal climate literacy training (become a Bronze carbon literate organisation and Planning service to become Gold level accredited by the carbon literacy project). 4. Deliver council climate comms plan. 5. Review, update and assure effective delivery of Climate Fife Action Plan

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.

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.

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PART 3 Corporate Emissions, Targets and Project Data

Emissions

3a **Emissions from the start of the year which the body uses as a baseline (for its carbon footprint) to the end of the report year**

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

(a) No information is required on the effect of the body on emissions which are not from its estate and operations.
(b) This refers to the document entitled "The greenhouse gas protocol. A corporate accounting and reporting standard (revised edition)", World Business Council for Sustainable Development, Geneva, Switzerland /

ENSURE QUESTION 1f 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	2011/12	Financial			95,803	95,803	tCO_2e	used as baseline year because this was the first year we reported using the WRI 3 scopes methodology (but no record of 3 scopes)
Year 1 carbon footprint	2012/13	Financial			92,124	92,124	tCO_2e	(no record of 3 scopes)
Year 2 carbon footprint	2013/14	Financial			91,813	91,813	tCO_2e	(no record of 3 scopes)
Year 3 carbon footprint	2014/15	Financial			93,431	93,431	tCO_2e	This figure is a revision as an error was discovered in our fleet fuel consumption figures (the feeder data used for capturing fuel consumption uses a slightly different date range to the reporting year).
Year 4 carbon footprint	2015/16	Financial	34,588	48,270	6,003	88,861	tCO_2e	Full audit of carbon footprint data undertaken.
Year 5 carbon footprint	2016/17	Financial	34,882	42,497	5,753	83,133	tCO_2e	Calculated in line with the lessons learned from previous audits of the footprint (in 15-16 and 16-17).
Year 6 carbon footprint	2017/18	Financial	36,069	34,619	5,125	75,814	tCO_2e	Calculated in line with lessons learned from previous submissions and Fife Council footprint policy.
Year 7 carbon footprint	2018/19	Financial	32,733	25,489	4,103	62,325	tCO_2e	
Year 8 carbon footprint	2019/20	Financial	31,359	21,236	2,990	55,585	tCO_2e	
Year 9 carbon footprint	2020/21	Financial	27,367	16,089	6,200	49,655	tCO_2e	
Year 10 carbon footprint	0	Financial				-	tCO_2e	
Year 11 carbon footprint	0	Financial				-	tCO_2e	
Year 12 carbon footprint	0	Financial				-	tCO_2e	
Year 13 carbon footprint	0	Financial				-	tCO_2e	
Year 14 carbon footprint	0	Financial				-	tCO_2e	
Year 15 carbon footprint	0	Financial				-	tCO_2e	

3b **Breakdown of emissions sources**

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

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

Emission Factor Year: 2020 **The emission factor year is assigned based on your answer to Q1f, if you think it is incorrect please contact SSN.**

User 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 (tCO_2e)	Comments
Grid Electricity (generation)	Scope 2	69,008,338	kWh	0.23314	kg CO2e/kWh	16,088.6	FC owned non-domestic buildings including inhabited by Trusts plus Infrastructure and EV charging points.
Grid Electricity (transmission & distribution losses)	Scope 3	69,008,338	kWh	0.02005	kg CO2e/kWh	1,383.6	FC owned non-domestic buildings including inhabited by Trusts plus Infrastructure and EV charging points.
Natural Gas	Scope 1	96,091,440	kWh	0.18387	kg CO2e/kWh	17,668.3	FC owned non-domestic buildings including inhabited by Trusts.
Gas Oil litre	Scope 1	559,063	litres	2.75776	kg CO2e/litre	1,541.8	Fleet use and AD back up boiler.
Gas Oil kWh	Scope 1	164,329	kWh	0.25672	kg CO2e/kWh	42.2	FC owned non-domestic buildings including inhabited by Trusts.
Burning Oil (Kerosene) kWh	Scope 1	27,479	kWh	0.24666	kg CO2e/kWh	6.8	FC owned non-domestic buildings including inhabited by Trusts.
Water - Supply	Scope 3	527,788	m3	0.11000	kg CO2e/m3	58.1	*Incomplete* FC owned non-domestic buildings including inhabited by Trusts that are on our monitoring system.
Water - Treatment	Scope 3	527,788	m3	0.23000	kg CO2e/m3	121.4	as above
Diesel (average biofuel blend)	Scope 1	3,118,643	litres	2.54603	kg CO2e/litre	7,940.2	Fleet use and plant at the resource recovery sites.
Biomass (Wood Chips)kWh	Scope 3	9,575,919	kWh	0.01545	kg CO2e/kWh	147.9	FC owned non-domestic buildings including inhabited by Trusts. Plus Dunfermline District Heat and Anaerobic Digester.
LPG kWh	Scope 1	234,110	kWh	0.21448	kg CO2e/kWh	50.2	FC owned non-domestic buildings including inhabited by Trusts.
Renewable Heat Purchase Direct Supply	Scope 3	22!4110	kWh	0.00000	kgCO2e/kWh	-	GEN supply to Fife House etc
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Refuse Commercial & Industrial to Landfill	Scope 3	4859.755	tonnes	458.17600	kgCO2e/tonne	2,226.6	*Incomplete* FC waste only May '20 to March '21
Organic Food & Drink AD	Scope 3	1526.777	tonnes	10.20400	kgCO2e/tonne	15.6	*Incomplete* FC waste only May '20 to March '21
Organic Garden Waste Composting	Scope 3	40.579	tonnes	10.20400	kgCO2e/tonne	0.4	*Incomplete* FC waste only May '20 to March '21
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Mixed recycling	Scope 3	1106.454	tonnes	21.31700	kgCO2e/tonne	23.6	*Incomplete* FC waste only May '20 to March '21 - Plastic, paper and cans.
Glass Recycling	Scope 3	183.45	tonnes	21.31700	kgCO2e/tonne	3.9	*Incomplete* FC waste only May '20 to March '21
Average Car - Unknown Fuel	Scope 3	8,788,087	km	0.17140	kg CO2e/km	1,506.3	FC staff business mileage obtained from mileage expense claims, do not log the vehicle fuel used.
Petrol (average biofuel blend)	Scope 1	54,298	litres	2.16802	kg CO2e/litre	117.7	Fleet and tools.
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Homeworking emissions	Scope 3	0.15545	percentage of total FTEs home-based	0.30000	tCO2e/FTE/annum	712.2	estimate as fluctuated through pandemic
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						49,655.4	

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 Electricty		Renewable Heat		
	Total consumed by the body (kWh)	Total exported (kWh)	Total consumed by the body (kWh)	Total exported (kWh)	Comments
Air Source Heat Pump					There are a variety of small air source heat pump installations mostly on nurseries and extensions but they are not separately metered so this figure is unknown
Biogas			1,720,359	950,641	Anerobic digester
Biomass			7,440,933	985,875	Exported via district heat
Please select from drop down box					
Landfill gas CHP			3,013,688	1665312	CHP from council landfill gas, turbines owned and operated by external company claiming the revenue for electrcity
Solar PV	62,500				Array on a shed that uses the full supply
Wind		250,559			Melville Wood Turbine only - Carnegie is out of action
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Targets

3d 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
Climate Emergency Carbon reduction target	absolute	Net zero	tCO2e reduction	All emissions	2011/12	95,803	tCO2e	2045/46	reduced to 49,655 tCO2e	This footprint has had some additions from the baseline so rebaselining wil be required next year
Building energy consumption - electricity	percentage	1	annual % reduction	Energy use in buildings	2019/20		Please select from drop down box	Please select from drop down box		
Building energy consumption - gas	percentage	1	annual % reduction	Energy use in buildings	2019/20		Please select from drop down box	Please select from drop down box		
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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 (tCO_2e)	Comments
Electricity		
Natural gas		
Other heating fuels		
Waste		
Water and sewerage		
Travel		
Fleet transport		
Other (please specify in comments)		
Fleet transport	40,391	Fleet rationalisation programme removing 10 vehicles as surplus. Implementation of full electric vehicles. Continued use of advanced telematic systems to reduce unrequired journeys.
Electricity	58	Internal management revolving fund work only.
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Total	**40,449**	

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 CO_2e 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 (tCO_2e/annum)	Estimated costs savings (£/annum)	Behaviour Change	Comments
Touch Primary School conversion of electric heating to a wet system supplied by a Gas Absorption Air Source heat pump (GAASHP) system in existing building plus extension to the school.	Internal Energy Management Revolving Fund for GAASHP	2020/21	Estimated	444,600	8729	20	Grid Electricity (generation)	48	22230	No	First year of savings is the year after the report year as per guidance. 2021/22. A gas absorption air source heat pump replaced electric heating causing a reduction in electricity and an increase in natural gas (lower CO2 than gas fired boiler and more affordable but not optimum as more CO2 intensive than ASHP). This was seen as the most economical method of decarbonising but is not planned to be repeated as caused stranding of asset.
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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 (tCO_2e)	Increase or decrease in emissions	Comments
Estate changes		Decrease	Continued reduction of the operational assets has been offset by construction of Nursery provision and additional capacity for Schools (1.5% increase in GIA of schools) resulting in a net increase to the GIA of operational assets (0.6%). However, any increase in Carbon emissions from the new construction will be limited due to modern construction technology and the small increase in GIA . The decrease in Carbon emmissions can be attributed to the temporary closure of properties during the COVID 19 outbreak.
Service provision		Decrease	Temporary reduced services due to the pandemic.
Staff numbers		Please select from drop down box	
Other (please specify in comments)		Please select from drop down box	
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Total		-	

3h Anticipated annual carbon savings from all projects implemented by the body in the year ahead

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

Emissions source	Total estimated annual carbon savings (tCO_2e)	Comments

Electricity	58	The CO2 avoided is from 1 LED project and 2 solar PV arrays. A Programme of works is planned for Net Zero by 2045 but it is not approved at submission of this report.
Natural gas		A Programme of works is planned for Net Zero by 2045 but it is not approved at submission of this report.
Other heating fuels		
Waste		
Water and sewerage		
Travel		
Fleet Transport	54,859	A further 13 full electric vans and 1 electric car introduced estimated savings based on annual emission of ICE vehicles being replaced.
Other (please specify in comments)	9	As part of a partnership project, Climate Action Fife, delivery of climate literacy initiated in the council. Requiring pledges from staff to reduce carbon in the workplace. Over 30 staff pledges at time of reporting, assuming average of 100kgCO2e/trainee and a further 90 by FY end.
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Total	**54,926**	

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 (tCO_2e)	Increase or decrease in emissions	Comments
Estate changes		Increase	We anticipate an increase in energy consumption and carbon emmissions as properties are re-opened and new Nursery premises are completed for use.
Service provision		Increase	Coming out of the pandemic we see carbon emission rising to previous levels as 'normal' service resumes.
Staff numbers		Please select from drop down box	
Other (please specify in comments)		Please select from drop down box	
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Total		-	

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

Total savings	Total estimated emissions savings (tCO_2e)	Comments
Total project savings since baseline year	28,500	*partial as Buildings projects only* The estimated cumulative carbon reduction savings for projects completed in buildings since 2012/2013 is 27,500 tonnes of CO2. This involved implementing 361 projects costing £14.6 million, reducing the annual energy cost by around £1.1 million and saving a cumulative £5 million. Adjustments to the BEMS have avoided the emission of a further 1000 tonnes of CO2 in 2020/2021.

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.

Fleet Operations have introduced a further 13 full electric vans and 1 electric car this take our total full electric & hybrid vehicles to 72 within the fleet. Grant funding for this FY will solely be spent on infrastructure with the hope to introduce a fully electric refuse collection vehicle in 2022.

Public Sector Report on Compliance with Climate Change Duties 2021 Template

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).

Fife Council has corporate climate change risk in the Corporate Risk Register. SEPA produced Flood Risk Management Strategies which informed Local Flood Risk Management Plans requiring flood risk studies, including coastal, to be conducted. FC are progressing these studies as part of our first 6 year cycle required under the Flood Risk Management Act 2009. Our Flooding, Shoreline, and Harbours team has supported the Scottish Government on the Scotland's Dynamic Coast project to provide a National Coastal Change Assessment for Scotland. As we have coastline on three sides, Fife Council is aware of the need to closely monitor potential impacts from sea level rise and coastal change and our team were pleased to be involved in this national scale assessment. The outcomes from the Dynamic Coast project can be found online here: http://dynamiccoast.com/ Further works were carried out by SEPA under the National Flood Risk 2 assessment issued in Autumn 2018. A Fife Local Climate Impacts Profile (LCLIP) 2000-2010, was produced by Fife Council Transportation Services, with guidance from the UK Climate Impacts Programme (UKCIP) and the Scottish Climate Change Impacts Partnership (SCCIP). The LCLIP considered the vulnerability of Council services to severe weather events in that decade. A copy of our LCLIP can be provided directly to SSN. It is also available online at: https://climatechange.fife.scot/ As signatories to the Covenant of Mayors' Initiative on Adaptation to Climate Change (aka EU Mayors Adapt - http://mayors-adapt.eu/) the Council completed a risk and vulnerability assessment for the region https://www.fife.gov.uk/__data/assets/pdf_file/0028/219970/Climate-Fife-Sustainable-Energy-and-Climate-Action-Plan-2020-2030.pdf. A priority in the coming year is to build up an external network of organisations who will be involved in building resilience to the physical risks of climate change, using our existing networks (Local Resilience Partnerships, Greener Business Fife, Fife Environmental Partnership etc.).

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.

Fife Council produced its Climate Change Adaptation Framework in 2010 in partnership with community planning partners. The Council were keen to be proactive in this area and this framework was produced ahead of any guidance or legislation from the Scottish Government. The overarching aim of this Adaptation Framework is to assess the likely impacts that Climate Change is going to have on Fife Council, and it's Community Planning Partners. This aim was achieved by;
- Projecting changes in climate in Fife over the next 40-50 years using UKCP09 (United Kingdom Climate Projections 2009) climate projections.
- Assessing the potential consequences of the projected climate changes in respect to the Scottish Government's 12 Key Sectors, from a Fife Council context.

It was intended that the Climate Change Adaptation Framework will be the first step towards delivering adaptation measures across Fife. The Fife Climate Change Adaptation Framework, 2010 can be accessed here: http://fish.fife/fish/uploadfiles/Publications/Adaptation%20Framework7.51.pdf This strategy will be updated as part of our Fife SECAP, Climate Fife. A number of services have their own contingency plans which are implemented during severe weather events.

The following strategies and plans already consider climate change adaptation:
• Shoreline Management Plan
• Plan4Fife (LOIP)
• Flood Risk Management Strategy
• Local Flood Risk Management Plans
• Fife Council Transportation Development Guidelines
• Fife Climate Change Impact Profile (LCLIP)
• Local Transport Strategy
• Fife Safeguarding of Infrastructure Programme (Roads and Bridges)
• Roads Maintenance Policies and Standards 2011
• Bridge Strengthening Programme
• SEStran Regional Transport Strategy
• Climate Change Adaptation Framework 2010
• Climate Change Strategy - Climate Fife,
• Flooding Emergency Procedures
• Fife Local Development Plan.

Taking action

4c What action has the body taken to adapt to climate change?
Include details of work to increase awareness of the need to adapt to climate change and build the capacity of staff and stakeholders to assess risk and implement action.

The following adaptation actions were undertaken in the reporting year:
• to increase awareness of the need to adapt, and to build staff capacity via a National Lottery funded partnership project Climate Action Fife and a programme of Climate training developed.
• Incorporated adaptation into the Plan4Fife as one of the priorities in Fife's recovery from COVID19.
• pre-flood checking.
• we continue to maintain our Flood Pods in high risk areas within Fife.
• A number of services have their own adaptation actions and contingency plans which are implemented during severe weather events, the Council also already has a suite of well-developed response plans for generic emergency events which could impact Fife-wide or Council-wide.
• Vaisala weather data from the Met Office is passed onto the Emergency Resilience team who then issue notices to services of severe weather events being forecast especially waste services and gritting.

Working in partnership is an essential part of our adaptation strategy. Fife Council is a core member of the Fife Local Resilience Partnership (LRP) which already has a severe weather plan for Fife dealing with snow, wind storms, ice and flood events. LRP partners:
• Maintain, test and exercise plans and procedures for an effective multi-agency response to severe weather events.
• distribute early notification of severe weather forecasts,
• work with communities to develop community emergency plans for their local area,
• identify and target assistance to the most vulnerable members of communities.
• run a severe weather exercise annually. Fife Council officers are a core part of these exercises.
• Flood Studies have been completed. There are additional Surface Water Management Plans and Natural Flood Management that have started. All these studies have sustainable approaches, including managed adaptive principles embedded, and include awareness raising and self help for local communities.
Leven Programme water & flooding collaboration: 21/22

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	N1-8	Fife Council have completed 10 Flood Studies and have a further 12 underway that will seek to address the potential impacts of climate change on all sources of flooding in Fife. Our Flooding, Shoreline and Harbours team have also supported the Scottish Government on the Dynamic Coast project – The team continues to support the Scottish Government with the second phase of this project which was published 2021	"SEPA's Flood Risk Management Strategies informed Local Flood Risk Management Plans. We incorporate climate change projections into the flood studies currently being undertaken as part of our actions under the above Plans and coastal defence works to try to build resilience.
Understand the effects of climate change and their impacts on the natural environment.	N1	Natural Environment	N1-10	Our Flooding, Shoreline and Harbours team have supported the Scottish Government on the Dynamic Coast project. Fife Council have completed 10 Flood Studies and have a further 12 underway that will seek to address the potential impacts of climate change on all sources of flooding in Fife.	The Dynamic Coast study improves our understanding of the potential impacts of Sea Level Rise (SLR) on the coastline. The Flood Studies absorb and produce information that supports decision making with regards to flood avoidance and mitigation in Fife.
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	N2-2	Via the implementation of the Fife Woodland and Forestry Strategy. These principles are also incorporated into a number of Local Development Plan policies. The Plan for Fife also strongly supports these objectives. The Flood Risk Management (Scotland) Act 2009 promotes the principle of sustainable flood management. This is carried through the Flood Risk Management Strategies and Local Flood Risk Management Plans in the form of Natural Flood Management actions, and managed-adaptive approaches to flood defence.	Embed climate change adaptation considerations, and potential responses such as habitat networks and green networks, into wider land use planning decisions through the use of Forestry and Woodland Strategies, regional land use strategies, and Strategic and Local Development Plans and development master-plans.
Support a healthy and diverse natural environment with capacity to adapt.	N2	Natural Environment	N2-20	Flood Risk Management Strategies and Local Flood Risk Management Plans developed between LA's and SEPA, SW and other Responsible Authorities (ie Forestry Commission). The studies and schemes are within the LFRMP's which are then instructed by Flooding, Shoreline and Harbours to ensure compliance.	Assess and manage flood zones (river, surface water and coastal), promoting adaptive flood risk and landscape management that works with natural processes.
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		
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	N3-1	N/A	Under the Scottish Climate Change Adaptation Programme, Local Authorities have not been attributed with ownership for delivery of objective N3.
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	B1-13	Local Flood Risk Management Plans and Shoreline Management Plans. The Flooding, Shoreline and Harbours team within Structural Services, as part of our statutory duties concerning the Flood Risk Management (Scotland) Act 2009 have assessed areas within Fife that are deemed to be Potentially Vulnerable Areas (PVAs) at risk of flooding as part of our statutory obligations under The Flood Risk Management (Scotland) Act 2009. SUDS and flood risk management policy incorporated into local planning policy. Fife Council have completed 10 Flood Studies and have a further 12 underway that will seek to address the potential impacts of climate change on all sources of flooding in Fife.	SuDS Design Criteria Guidance Note.
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		
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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		
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	B2-2	SUDS policy incorporated into local planning policy.	To consider a long-term approach to the sustainable management of surface water to ensure that sewer systems are resilient to climate change. SuDS Design Criteria Guidance Note
Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure.	B2	Buildings and infrastructure networks	B2-6	N/A	Under the Scottish Climate Change Adaptation Programme, Local Authorities have not been attributed with ownership for delivery of objective B2.
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	B3-2	Scottish Planning Policy (SPP) and Planning Advice Notes are used by the Planning Service to ensure that development is appropriately assessed to take into account flood risk and the potential impacts of climate change. In addition to the above the Council has, and continues to implement flood protection schemes to address existing flood risk. Reference is also made to current science presented in the UKCP18 project outputs, and UKWIR Studies.	Planning Advice Notes (PAN). FIFEPlan, policy 12.
Increase the resilience of buildings and infrastructure networks to sustain and enhance the benefits and services provided.	B3	Buildings and infrastructure networks	B3-3	The SPP and Planning Advice Notes are used by the Planning Service to ensure that development is appropriately assessed to take into account flood risk and the potential impacts of climate change. In addition to the above the Council has, and continues to implement flood protection schemes to address existing flood risk.	Scottish Planning Policy (SPP) (Climate Change).
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	S1-7	N/A	Under the Scottish Climate Change Adaptation Programme, Local Authorities have not been attributed with ownership for delivery of objective S1.
Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events.	S2	Society	S2-16	Local Flood Risk Management Plans and Shoreline Management Plans. The Flooding, Shoreline and Harbours team within Structural Services, as part of our statutory duties concerning the Flood Risk Management (Scotland) Act 2009 have assessed areas within Fife that are deemed to be Potentially Vulnerable Areas (PVAs) at risk of flooding as part of our statutory obligations under The Flood Risk Management (Scotland) Act 2009. Actions include Self Help and Awareness Raising of the effects of Climate Change on flood risk.	Under the Scottish Climate Change Adaptation Programme, Local Authorities have not been attributed with ownership for delivery of objective S2.
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	S3-15	N/A	Under the Scottish Climate Change Adaptation Programme, Local Authorities have not been attributed with ownership for delivery of objective S3.
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).

Fife Council Corporate Risk Register has Climate change as the highest scoring risk on our corporate risk register. This risk is updated every 4 months to ensure that it remains current, and is informed by the latest science. The Corporate Risk Register was updated in the winter of 2020 as it is reviewed every 2 years. In terms of how we monitor current and future climate risks, Fife Environmental Partnership Climate Change Strategy 2014-20 monitors adaptation progress at present. It has been difficult to develop meaningful indicators for adaptation, however as part of the SECAP process we made use of the excellent suite of indicators proposed in the SECAP reporting templates and those developed by the Climate Xchange project. It is anticipated that these indicators will be added to our corporate performance management system as part of the SECAP, and that progress updates can be provided regularly to the Fife Environment Board (to be established). As part of the SECAP, we hosted climate change risk assessment workshops with service managers from across the Council in 2018 and 2019. The outputs of these workshops were used to identify which risks are most critical to service delivery, and which risks need to be prioritised for adaptation action plans. The final report provided recommendations on the arrangements to review current and future climate risks. It is anticipated that these risks may need to be reviewed on a 1-5 year basis, but this may change dependent on how rapidly climate hazards are experienced within Fife. Climate risks will be reported to the Covenant of Mayors every 2 years, this would require reassessment of risks on a 2 yearly basis as a minimum.

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).

The frequency of winterisation activities (gritting, snow clearing etc.) undertaken is recorded on the corporate reporting system, allowing a year to year comparison of how winter weather has changed. The amount of time spent by Transportation Services road operations crews on responding to flooding events is recorded to allow an understanding of how external events impact the Services work schedule and staff deployment. External contractors working on construction projects capture wet-day information (i.e. days when construction work was suspended or delayed because of inclement weather) to comply with Fife Council procurement contract terms. Fife Council has to pay passenger transport subcontractors standstill costs on days that services cannot operate due to severe weather conditions. These costs are 50% of normal operating costs. Standstill data costs are collated but are not readily available (they are stored on ERP, or xls database).

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.

1. Fife Council is implementing a Reform Agenda in response to COVID19 disruption and neccessary changes in priorities. The Climate Emergency is one of the 4 priority areas and further priorities for 2020-21 will come out of this (implementation Oct '21 onwards).
2. The Flooding, Shoreline & Harbours team within Structural Services, as part of our statutory duties concerning the Flood Risk Management (Scotland) Act 2009 have assessed areas within Fife that are deemed to be Potentially Vulnerable Areas (PVAs) at risk of flooding. Fife Council are in 4 Local Plan Districts and have work to carry out in 18 PVA's. They are tasked, through the LFRMP's to carry out 16 Flood Studies 1 Flood Protection Scheme, 2 Integrated Catchment Studies (in collaboration with Scottish Water), 2 Natural Flood Management Studies, and 9 Surface Water Management Plans (in total 29 studies and 1 scheme all to begin within the first 6 year cycle to 2021, projected delivery dependent on Study complexity).

Further information

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

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.

Fife Council is a major procurer of goods and services within Fife. The embodied carbon of our up and downstream supply chain is likely to be a significant contributor to Fife-wide carbon emissions and to emissions further afield. The Council is keen to try to reduce the environmental impacts of our procurement activities, and to use procurement to assist with compliance with our duties under the Climate Change (Scotland) Act and is seeking to do this via a number of activities. The Procurement service works with other services to develop contract terms and procurement award criteria. Procurement weightings are developed in collaboration with the service area. If any barriers are identified in such discussion, effort is made to overcome these barriers.

We utilise the Scottish Government's 'Procurement Journey' guidance in terms of best practice. This includes considerations such as sustainability and climate change mitigation and tools are provided to be utilised with the goods/services that are intended to be procured in mind. Mainstreaming these best practice principles to our procurement activities will contribute to our compliance with climate change duties.

Fife Council's Procurement Strategy acknowledges the national legislative framework for sustainable public procurement in Scotland. To aid the Council achieving its aim of 'Inclusive Growth' (Fife's Economic Strategy 2017-2027), the Council, through its procurement activities will incorporate the Sustainable Procurement Duty into its processes and consider prior to defining procurement requirements. Fife Council shall consider/support:

- the use of whole life cost where appropriate;
- the use of Sustainable Procurement Duty Tools that aid the prioritisation of sustainability to achieve maximum benefits within all regulated procurement and also to prioritise and focus on those categories

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.

Regulated procurement requires the consideration and application, where applicable and appropriate, of the Sustainable Procurement Duty in all procurements as per the Procurement Reform (Scotland) Regulations 2016 and the Public Contracts (Scotland) Regulations 2015. The Procurement Service works with Fife Council services to develop contract terms and procurement criteria. Procurement weightings are developed in negotiation between the procurement team and client services. Client services can and do, consider direct and indirect carbon emissions (i.e. supply chain emissions, provenance, and manufacturing methods) within their procurement specifications, but these have to be balanced against other procurement criteria so that the requirements are proportional and are not so specific as to effectively reduce options down to only one supplier as this could be seen as raising barriers to business. Examples of procurement activities which have contributed to our compliance with climate change duties in the reporting year include: The continued procurement of

- Alternative Fuelled vehicles including Electric Vans and Pool Cars as part of the Council's Fleet Replacement Programme:
- Continued use of a collaborative framework to support the increase of the number of charge points allowing wider use of electric vehicles and positively contributing to our climate change commitment
- Heavy Goods Vehicles generally contain in excess of 90% recyclable materials which can be reclaimed at the end of the vehicle's life and the primary goal of the Euro VI (or latest Euro Engine) emissions standards is to reduce harmful emissions from vehicles

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.

Fife Council is a Scottish Living Wage Accredited Employer, and this encourages its adoption by contractors. A 'Sustainable Procurement Workstream' has been formed to review and enhance Sustainable Procurement within procurement and shall include subject matters such as - General Policy, Community Benefits, Modern Slavery, Sustainable Procurement Toolkits, Whole Life Costing, Supported Businesses and the Innovation Challenge Fund. The Sustainable Procurement Working Group will look to cover areas such as - Sustainable Procurement Reporting Templates, Continual use of Sustainable Procurement Tools and the creation of a Sustainable Procurement Action Plan and Sustainable Procurement Training to Fife Council.

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.

We have an internal audit team that undertakes regular audits of our performance across the range of Council Performance Indicators (of which carbon emissions is one such indicator). Internal audits are undertaken on a 3 to 5 year cycle. In terms of validation and sign off of this report, it was submitted for scrutiny and sign off to the following Fife Council committees / authorities: The Climate Change and Zero Waste Service Manager; The Head of Planning Service; the Executive Director of Enterprise and Environment Directorate; and The Environment and Protective Services Sub-Committee.

6b Peer validation process

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

No formal peer validation process is undertaken.

Fife Council took part in a locally organised peer review for Fife which included a knowledge sharing meeting with NHS Fife, Fife College and St Andrews University in November 2019 and 2020.

6c External validation process

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

This report (as a stand-alone document) has not itself been subject to formal external verification. The reasons behind this are primarily resourcing i.e. staff time and budget constraints.

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.

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:	Ross Spalding
Role in the body:	Service Manager
Date:	

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. tCO_2e) 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://data.gov.uk/dataset/723c243d-2f1a-4d27-8b61-cdb93e5b10ff/emissions-of-carbon-dioxide-for-local-authority-areas

Local Authority:(Please State)	Fife
BEIS Dataset:(full or sub-set)	Full

Source	Sector	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Units	Comments
BEIS Sectors	Total Emissions	4,402.60	3,828.49	4,303.00	3,744.52	3,773.95	3,375.64	3,033.12	3,029.01	2,941.03	2,871.96	2,805.96	2,558.60	**ktCO2**	
	Industry and Commercial	2,314.64	1,961.12	2,259.60	1,927.24	1,930.19	1,677.09	1,500.76	1,488.92	1,486.35	1,464.03	1,407.97	1,193.81	**ktCO2**	
	Domestic	970.02	873.57	933.77	819.49	876.55	856.06	718.21	702.57	667.02	629.07	622.86	606.41	**ktCO2**	
	Transport total	648.96	631.76	620.08	604.57	586.72	582.37	589.80	591.76	599.90	610.92	597.50	586.23	**ktCO2**	
	Per Capita	12.23	10.59	11.87	10.25	10.31	9.20	8.26	8.23	7.94	7.73	7.54	6.85	**ktCO2**	
Other Sectors	Please select from drop down box													Please select from drop down box	
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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
Rural Land Use	We plan to create 10 ha of new woodland per year. This is a low initial figure as the land resource available is at present undetermined: once the land has been identified the land needs to be registered with the Scottish Government IACS scheme. We hope to encourage the expansion of well-designed woodland cover of an appropriate scale, composition and purpose to meet the Fife minimum target of 13.2% of the land area by 2052 thereby contributing to Scottish Forestry Strategy targets.	Other (please specify in comments)	2019-20	2019	10.0	Please select from drop down box		Please select from drop down box	The target is measured in hectares of new woodland planted. The target aims to see 13.2% of Fife wooded by 2052. In 2017/18, 60ha of land was identified. Planting of 30ha scheduled for 2020 at Minto, Cardenden; contract to be awarded Oct. There is also an aim to bring existing woodland into better management. Three woodlands were awarded Woodlands in and Around Towns (WIAT) funding; works completed in 2019. Trialling partnership with social enterprise to undertake further woodland management.
Rural Land Use	Wetland creation and enhancement. This is undertaken through the Fife Local Biodiversity Action Plan by a range of partners.	Other (please specify in comments)		Please select from drop down box		Please select from drop down box		Please select from drop down box	Project partner in RSPB-led Inner Forth Futures Wetland Habitat Network; secured £11k Biodiversity Challenge Fund grant to restore and enhance Bluther Wetland near Blairhall. Works to commence autumn 2020. Fife Living Waters partnership project with Froglife. Cowdenbeath site prioritised; bid for funding to Biodiversity Challenge Fund unsuccessful; FET bid awaiting outcome. Through the Back Burn River Restoration Project, a feasibility study identified numerous wetland creation and enhancement opportunities. The development and design phase of this project is underway. The Lyne Burn Green Network project was awarded ERDF Green Infrastructure funding in 2019 and a three year project will include naturalising an urban watercourse and creating an high quality riverside park.
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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.

In September 2019, Fife Council declared a climate emergency. Following public consultation, Climate Fife, the Fife Sustainable Energy and Climate Action Plan (SECAP), was approved by Committee in February 2020. The Climate Fife vision to 2050 is to be: Climate friendly, having transformed the economy, infrastructure, land use and energy system to decarbonise how we live; Climate ready, with plans and projects to increase the resilience of Fife communities and the economy to help minimise the impacts from unavoidable climate change; and Climate just, ensuring that all Fifers and the Fife environment can benefit from this transition. Climate Fife recognises the transformation needed over the next decade to tackle the climate emergency across Fife Council and other community planning partners. Governance includes the Fife Partnership board. An update of the Local Outcome Improvement Plan, the PlanàFife, now has the Climate Emergency as one of four core priorities. A new Addressing the Climate Emergency Board is being set up. In addition, to an Action Plan to 2030, there is a detailed 12-month climate emergency action plan of priority actions for 2020-21; with some of these actions delayed due to Covid-19. Climate Fife is a Fife wide plan, involving community planning partners. Climate Fife's action plan is made up of actions largely being driven by Fife Council and key public

sector partners. Work is ongoing to ensure the actions grow as more partners become involved in Climate Fife. Climate Action Fife is a community led, Big Lottery funded, initiative that demonstrates wider partnership action.

Q3) Policies and Actions to Reduce Emissions

Please detail any of the specific policies and actions which are underway to achieve your emission reduction targets

Sector	Start year for policy/action implementation	Year that the policy/action will be fully implemented	Annual CO_2 saving once fully implemented (tCO_2)	Latest Year measured	Saving in latest year measured (tCO_2)	Status	Metric/indicators for monitoring progress	Delivery Role	During project/policy design and implementation, has ISM or an equivilent 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
Other (please specify in comments)	2016	2019		2020	589tCO2e	In Implementation	Monitoring metrics are still being developed. Carbon savings (i.e. by allowing external customers to move to the biomass district heating scheme, and replace their existing hydrocarbon heating systems) will be calculated as part of this project. Metrics for existing loads based on LCITP methodology	Direct delivery	No	The Scheme supplies low carbon heat to the Council's corporate HQ, the Rothes Halls Theatre Complex and the Jubilee Grove Care Home. It has capacity for expansion to serve a wide range of local customers, from industrial, commercial and community. Talks are ongoing regarding connecting commercial customers. 9 new business units have been added but are just starting to get their first tenants at the time of reporting (Sep 21)	£ 10,338,000	£ 125,000	Other (please specify in comments)	Scottish Government grant of £8.559 m and, Council capital £1.546 m, RWE investment £13.573 m. RWE own and operate Energy Centre, Fife Council own and operate network. Scheme commissioned in April 2019. Carbon saving for year 1/4/20 to 31/3/21 is 589 tonnes CO2e - based on the latest figures from RWE. Increase appears to be due to an increase in heat delivered by biomass.
Waste and Resource Efficiency	2011	2025		Please select from drop down box		In Implementation	% of household waste diverted from landfill. % of household waste recycled. Amount of wood waste diverted to RWE & amount of waste sent to EFW facilities (RDF production has now ceased).	Direct delivery	No	Material diverted from landfill into energy production. Two areas: Firstly wood waste collected at recycling centres has been sent for energy recovery at the RWE biomass plant. Secondly from the processing of waste within Energy from Waste facilities (commissioning tonnage at Viridor plant initially).			Please select from drop down box	
Waste and Resource Efficiency	Please select from drop down box	2025		2019		In Implementation		Direct delivery	No	We aim to recycle or compost 60% of waste from household sources by 2020 and 70% by 2025. Figures given are for the proportion of waste diverted from landfill - by 2025 only 5% of waste can be disposed of to landfill. In addition from January 2021 no biodegradable municipal will be allowed to be disposed of to landfill.			Please select from drop down box	Waste diversion for 2019 was 55.3% a fall from the 57.4% in 2018. Household waste recycling rate was 44.5% down from 51.1% in 2018. Reasoning behind this change: new waste analysis identifying increased contamination in green bins, increased food & garden (brown) bin contamination & stricter SEPA PAS 100 quality standards for output material. No wood recycling all to biomass and no tyre recycling all the incineration.
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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 your Climate Change Partnership, Communication or Capacity Building Initiatives below.

Key Action Type	Description	Organisation's project role	Lead Organisation (if not reporting organisation)	Private Partners	Public Partners	3rd Sector Partners	Outputs	Comments
Partnership Working	Fife Biodiversity Partnership steers the development of and delivers actions within the Fife Local Biodiversity Action Plan (LBAP) which aims to 'protect and enhance biodiversity for its intrinsic value as well as for the health, well-being and enjoyment of the people of Fife'.	Lead		Multi-sector with over 40 representatives from statutory and voluntary organisations, local Lead expert groups, academic institutions, land managers and businesses.	St Andrew's University, Forestry Commission Scotland, SNH, SEPA, Police Scotland.	Various local voluntary organisations.	Fife Biodiversity Partnership steers the development of and delivers actions within the Fife Local Biodiversity Action Plan (LBAP) which aims to 'protect and enhance biodiversity for its intrinsic value as well as for the health, well-being and enjoyment of the people of Fife'	The Local Biodiversity Action Plan is still live. We are working more closely with Fife Coast and Countryside Trust (FCCT) to deliver conservation and biodiversity initiatives who also raise awareness through their work programme. One example is the 'Creating Urban Meadows for Pollinators project" in St Andrews the location of which the co-leaders recently had a PR event to highlight FC commitment by signing the Edinburgh declaration committing LAs to tackling climate change agenda. FBP continues to meet twice a year. Helps facilitate project work across Fife to improve the environment with multiple benefits. Exchange of best practice. Allows us to develop project partnerships, secure grant funding, share national and local best practice and expertise. Staff time for organising partnership meetings, co-coordinating delivery of the LBAP including Fife Council actions, reporting progress. Will be resurrected when Biodivesity officer role is appointed.
Partnership Working	Fife Environmental Partnership is a sub group of the Fife Partnership. The focus includes the Climate Fife plan. Biodiversity is one of the themes covered. Member organisations present projects, updates and collaborate on new projects. The Fife Environmental Partnership provides input to the Plan4Fife (Local Outcome Improvement Plan) and reports to the Fife Partnership. The Chair of the Fife Environmental Partnership sits on the Addressing the Climate Emergency Board.	Supporting	Support and administration of partnership. Current Chair Fife College		SEPA, Nature Scot, Scottish Water, Scottish Forestry, NHS Fife,	Fife Climate Change Action Network, Fife Voluntary Action, Fife College, University of St Andrews, Kingdom Housing Association, Ore Valley Housing Association, Scottish Rural Agricultural College, Fife Coast and Countryside Trust, Green Action Trust	Support action, delivery and reporting on Plan4Fife and Climate Fife	Fife Environmental Partnership helps Faclite reporting and action within the Fife Partnership. It is the lead for the Climate Emergency theme under the Plan4Fife priorities. The Fife Environmental Partnership provides support for the other Fife Partnership groups to help undertanding, to support and enable others to act on teh Climate Emergency.
Partnership Working	H100 Fife Project - SGN are developing a world-first hydrogen network in Levenmouth that will bring renewable hydrogen into homes in 2023, providing low carbon fuel for heating and cooking. In the project's first phase, the network will heat around 300 local homes using green hydrogen produced by a dedicated electrolysis plant, powered by a nearby offshore wind turbine. The project is the first of its kind to employ a direct supply of green power to produce hydrogen for domestic heating – putting Fife at the forefront of the clean energy revolution. The system will be designed and built to ensure the same high safety and reliability standards expected from the current gas system. An on-site storage unit will hold enough hydrogen to ensure supply won't be disrupted during even the coldest weather conditions.	Supporting	SGN				Support action & communications with Council tenants	H100 Fife will also play an important insight-gathering role into customer appetite and interest toward hydrogen and low-carbon heating solutions. The project will give people in Levenmouth the opportunity to be at the forefront of research into hydrogen heating systems. Eligible households can participate on an opt-in basis, meaning they will have the choice to switch to hydrogen, or remain with their existing natural gas supply. A proposed demonstration facility will allow customers to see and experience hydrogen appliances in a home-like setting prior to opting in. The initial 300 customers joining the project will receive a free hydrogen connection, free replacement hydrogen appliances and free maintenance over the length of the project. They will pay the same amount for hydrogen gas as they would pay for natural gas.
Partnership Working	Dunfermline Learning Campus - Fife Council is committed to investment in school estate, and is enhancing the building standards by participating in Scottish Government's Net Zero Carbon Public Sector Buildings Standard. The new Dunfermline Learning Campus (DLC) is funded in part by the Scottish Government's Learning Estate Investment Programme (LEIP). This will bring together 2 high schools and a Fife College campus to create a major hub of exemplar education, training and development of innovative industry links for current and future learners. Fife Council and Fife College have collaborated to develop key briefing documents to deliver a vision for a unique high quality, low carbon and digitally enabled learning environment. The strong commitment to sustainability builds on the context of Fife Council's "Making Fife's Places" Planning Policy Guidance. The schools element of the campus will accommodate a combined student role of 2,700, with total staff count of 346, designed to meet the needs of the Scottish Government's "Curriculum for Excellence" within 27,000m2. Fife Council aim to deliver a low carbon, low energy use and sustainable facility including: •Aiming to design the schools building to achieve Passivhaus standards •Embodied carbon budget under 650kg CO2e/ m2 in line with RIBA's 2025 target as at February 2021 •Designing to achieve 67 kWh/m2 for energy in use •Meet Scottish Government's goal to achieve Net Zero carbon emissions by 2045 By balancing a reduction of embodied carbon of construction against low operational energy consumption and a target for whole life carbon achieving net zero, the DLC project is enhancing design, construction and supply chain knowledge and skills. This safeguards the environment and tackles climate change, engaging contractors and the supply chain in the solution to encourage the industry to reduce carbon emissions. The DLC schools building is currently programmed to be completed, commissioned and handed over in 2024.	Lead						
Partnership Working	Community Planning climate capacity: Working with Fife Council and local stakeholders in winter 20/21, Fife Resource Solutions supported the integration of climate mitigation and adaptation into the Templehall Community Masterplan. This allowed local staff and stakeholders to learn how their interests could be enhanced to reduce carbon emissions and made made more resilient to the unavoidable impacts of climate change. Fife Council followed that work by engaging with SNIFFER and volunteering to undertake a trial of the Place Standard 2.0 with a Climate Lens, which will start in April 2021.	Participant						
Partnership Working	Multiple benefit, large-scale project bringing together bodies to make a positive difference to the River Leven and surrounding area. By improving the physical and ecological conditions of the river; creating better access to the river and between communities; as well as creating opportunities to improve people's health, well-being and economic prospects, all partners realise that more can be achieved working together than can be achieved working in isolation. www.theleven.org	Participant	Scottish Environment Protection Agency (SEPA)	Diagio, Fife College	Scottish Enterprise, Nature Scot, Fife Council, Scottish Water, Historic Environment Scotland, Fife Coast and Countryside Trust, The Coal Authority,	Sustrans, Forth Rivers Trust, Green Action Trust, Keep Scotland Beautiful, Zero Waste Scotland,	Set of projects to 2030	
Partnership Working	Forth and Tay Offshore - local authorities and the private sector work together to support and advise companies on Scotland's east coast about the business opportunities from the growth from offshore wind.	Participant		Red Rock Power Limited, EDF Renewables, SSE. Scottish Engineering	Scottish Enterprise, Angus Council, Dundee City Council. East Lothian Council, Fife Council, Scottish Borders Council.		Attending industry-wide events to raise awareness about the cluster. Developments of 1year + project plan	
Partnership Working	National Lottery Climate Action Fund awarded to partnership project Climate Action Fife in October 2020 - March '21. Fife Council is a partner with Greener Kirkcaldy, Fife College and Fife Communities Climate Action Network. https://climateactionfife.org.uk/ Ten activities including building community capacity and engagement in the climate emergency.	Participant	Greener Kirkcaldy		Fife College, Fife Communities Action Network, Greener Kirkcaldy. EATs	Fife Communities Action Network, Greener Kirkcaldy. EATs Rosyth, Plant, CLEAR Buckhaven.	Climate engagement website and resources. Climate literacy course for public sector and communities. Cycling Strategy. Tree planting Strategy. Series of engagement events on climate emergency topics such	Funded till March'22.
Capacity Building (ie. staff training and development initiatives)	Fife Local Heat and Energy Efficincy Strategy - methodology test	Lead		SPEN, SGN, National Grid	University of Edinburgh, Scottish Government, Energy Saving Trust		Test stages 1-5 of the LHEES methodology v3.0. Test linking LHEES and DNO data. Staff awareness and skill development.	LHEES is proposed to be a key tool in planning and enabling action for building energy efficincy and decarbonised heat. The expectation is that this will become a duty with plans completed by 2023.
Partnership Working	The food system worldwide is responsible for around 30% of all climate emissions. To tackle the climate emergency, we must look at how our food is grown, processed and distributed as well as tackle issues around food waste. In January 2021 Fife's Climate and Zero Waste team were awarded funding by Sustainable Food Places to bring together a network of stakeholders from all parts of the food system to write the food strategy and action plan for Fife. This is a 3 -year project. The project steering group 'Food4Fife' was launched in August 21. There is a network of working groups to deliver projects covering areas of Food insecurity, Procurement, Food economy, Food for the planet and Community food.	Lead		Farmers and food producers , food businesses, food distributers	University of St Andrews, Fife College, NHS, Fife Environment Partnership	Fife Communities Action Network, Greener Kirkcaldy. EATs Rosyth, Climate Action Fife (CAF) Norish Scotland, Sustainable Food Places	Food Strategy and Action Plan for Fife	Soil health is vitally important as healthy soil takes carbon out of the air and locks it up in greater quantities than trees. Healthy soil also produces nutrient rich food naturally. No additives needed. Public procurement of local food has a huge part to play. Not only in creating community wealth but if from healthy soil, ensures the reduction of food carbon and an increase of nutrients to our children, students and patients. Food coordinators role part funded till October 2023
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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
Biodiversity	Fife Local Biodiversity Action Plan 2013-2018. The plan contains over 200 actions, and has the following objectives: 1. Maintain and increase the extent, distribution and connectivity of ecosystems. 2. Maintain and where possible improve ecosystem health. 3. Involve local people in conservation actions and thereby raise awareness and enjoyment of ecosystems.	Lead	Aim: 'to protect and enhance biodiversity for its intrinsic value as well as for the health, well-being and enjoyment of the people of Fife'.	Fife Council acts as Secretariat and collates the Plan. Fife Biodiversity Partnership wishes to tie in the next edition with the national biodiversity strategy. Publication is anticipated 2021. Current edition continues to be implemented, with new projects fulfilling objectives. The actions and plans will be developed when the Biodiversity Officer is appointed either managed by FC or FCCT
Biodiversity	Fife Council completed the grant-funded Fife's Buzzing project creating over 12ha of species-rich grassland in parks and greenspaces across the kingdom. Now commits to annual management. The flower-rich habitat was created on amenity grassland, therefore increasing the amount of sequestered carbon and helping with other ecosystem services e.g. flood alleviation, pollination, air filtration, etc. Partners: Buglife - The Invertebrate Conservation Trust, Fife Golf Trust, Woodland Trust Scotland, St Andrews Botanic Gardens, Commscope, Dalbeath Farm.	Lead	The aim is to make parks and greenspaces happier, healthier places for people and wildlife to use and enjoy. This project created new species-rich habitat on amenity grassland, therefore increasing the amount of sequestered carbon and helping with other ecosystem services e.g. flood alleviation, pollination, air filtration, etc.	Ongoing annual management of sites. Additional flower-rich grassland created at new locations e.g. Dunnikier Golf Course in partnership with Fife Golf Trust; Glenrothes allotments in partnership with Allotments Officer. Allotment programme to create 19 new sites accross the Kingdom over the next 5 years.
Biodiversity	Lyne Burn Green Network project, involving river restoration and landscape-scale greenspace enhancement, with funding from various partners such as Uk community renewal fund (pending) to match fund the SEPA grant and undertake the greenspace enhancements and habitat creation.	Lead	Restoring the Lyne Burn (which has previously been canalised) which will have the following benefits: flood alleviation and carbon sequestration by restoring natural basin and river banks and creating diverse riparian habitat.	Joint lead. Planning application submitted August 2020. Landscaping works will commence in November 2021. Fife Coast & Countryside Trust supporting community engagement through appointment of new role via FCCT
Biodiversity	Fife Council is a lead partner and committed to the Fife Forestry & Woodland Strategy, the aims of which include 'expanding the woodland resource', 'responding to climate change' and 'protecting and enhancing environmental quality'.	Lead	Creating a minimum of 10 ha of new woodland a year, for the next ten years. Encourage the expansion of well-designed woodland cover of an appropriate scale, composition and purpose to meet the Fife minimum target of 13.2% of the land area by 2052. Current woodland cover (of all types) in Fife is 11%, 2% of this being native or long established woodland.	Planting of new woodland (65,000 trees) completed in November 2020 at Minto, Cardenden. Trialing three year partnership with a social enterprise to undertake woodland management on existing sites to improve for biodiversity, ecosystem services, access and amenity. Further initiatives are under development. Fife Wide Woodland managemne tworking group has been set up to coordinate woodland activity and pull cross council service resources to deliver initiatives
Biodiversity	Fife Council in partnership with SEPA has commissioned the concept and developed design phase of restoration of the Back Burn to the north of Glenrothes, to improve morphology and ecology with benefits for biodiversity, greenspace, ecosystem services, access and the local community along a 6km blue-green corridor.	Supporting	Depending on study outcomes and securing funding, the delivery phase would have multiple benefits and enhance ecosystem services, biodiversity, access, health and well-being and community capacity building.	Grant funding secured (SEPA Water Environment Fund and Central Scotland Green Network Development Fund) for development and design phase, which commenced in January 2020. Project manager has been appointed to develop RIBA stage 2 with partners via project teams overseen by a governance group
Biodiversity	Fife Council in partnership with SEPA has commissioned a feasibility and then a concept and developed design of restoration of the lower reach of the River Leven, from Windygates to Leven, to improve morphology and ecology with benefits for biodiversity, greenspace, ecosystem services, access and the local community. Part of the wider Leven Programme.	Supporting	Depending on study outcomes and securing funding, the implementation phase would have multiple benefits and enhance ecosystem services, biodiversity, access, health and well-being and community capacity building.	£65k grant funding secured (SEPA Water Environment Fund). Feasibility study completed March 2020. Tender for concept/developed design progressing. Resources now in place to develop ROBA stage 2 and seek funding
Biodiversity	Fife Council as partner within the Inner Forth Futures Wetland Habitat Network led by RSPB is undertaking a wetland enhancement project at Blather Wetland near Blairhall.	Lead	Enhancement of succeeded wetland, improving biodiversity as well as ecosystem services such as water storage capacity, water purification, flood alleviation.	£11k grant secured from SNH Biodiversity Challenge Fund as part of a wider bid co-ordinated by RSPB. Working in partnership with West Fife Woodlands community group. Surveys undertaken summer 2020 with works completed in summer 2021.
Food & Drink	**Fife Food parnership**	Lead		
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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