

Public Bodies Climate Change Duties Compliance Reporting **Financial Year** Template 2023/24

1. Overview

This template is provided for public bodies required to report annually in accordance with the Climate Change (Duties of Public Bodies Reporting Requirements) (Scotland) Order 2015, as amended by the Climate Change (Duties of Public Bodies: Reporting Requirements) (Scotland) Amendment Order 2020 which took effect for reporting periods commencing on or after 1 April 2021.

Reports must be submitted to ccreporting@ed.ac.uk by 30th November. Late submissions will not be accepted for analysis and may be deemed non-compliant with Public Bodies Duties reporting requirements.

2. Guidance

- 1. Please **do not delete any cells, rows or columns**. This may corrupt the template/data and compromise analysis. You can hide any extra rows within tables.
- 2. Please complete the new "Boundary info" tab. This will enable improved assessment of data coverage and inform SSN analysis.
- 3. The "Profile of Body" tab must be completed before proceeding to add any other data.
- 4. To ensure that the correct emission factors are applied please ensure that you are using the correct template for the reporting year type under Q1f. If your organsiation reports according to the academic year, usually August to July, you must use the Academic Year template.
- 5. If you need to add more rows in any table please email the file to ccreporting@ed.ac.uk
- 6. In Q3b emissions sources can be filtered by type in Column C. The list of available factors is visble on the Emission Factors tab. Please do not edit this list, use "other" if an EF is not available.
- 7. Only use the "other" rows when there is no relevant emission source available in the dropdown list or if you have bespoke data/emission factors. Please provide a brief explanation in the comment.
- 8. Water supply and treatment (sewage) emission factors are based on Scottish Water's carbon intensities for service supply. If you wish to use UK factors you need to enter manually in an "Other" row.
- 9. More detailed guidance is available on the SSN website

3. Colour Coding used in the template

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



Public Bodies Climate Change Duties Compliance Reporting Template 2023/24 FY

Please answer all questions below with respect to the public body's reporting boundary for the reporting period.
The information is intended to improve data coverage and inform analysis, in particular, to help identify data gaps.
There are 3 response options:

- YES - where data is available and is reported
- NA - where a category is relevant but no data is available
- NO - the category is not relevant

Any points of clarification can be added in the comments field for the corresponding emission source(s) in Table 3b on the Emissions tab.

Category		Select from dropdown list
Owned estate	Are any buildings owned by the public body?	Yes
Managed services	Are building services managed on behalf of another public body that shares or leases space?	No
Leased premises	Are building services managed and provided by another public body?	No
Streetlighting	Are streetlights owned or operated?	Yes
Fleet and equipment	Are any vehicles or fossil-fueled machinery or equipment owned or leased, excludes short-term or infrequent hires?	Yes
Refrigerants/F-gases	Are there any air conditioning or refrigeration systems that require refrigerant gas top-ups?	NA
Medical gases	Are medical gases used?	No
Business travel - private	Do staff undertake business travel by private car?	Yes
Business travel - flights	Do staff undertake any business travel by plane?	No
Homeworking	Do staff work from home - including hybrid?	Yes
Supply chain	Are any goods or services purchased?	Yes
Land use	Are more than 10 hectares of land owned or managed for public services provision, including for research or recreation?	NA
Waste services	Is the public body responsible for collecting household or municipal waste?	Yes

PART 1 Profile of Reporting Body

- 1a

Name of reporting body

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

Angus 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

4096
- 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	257355.00	Property Assets - Estates Team
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Please select from drop down box			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			
Other (please specify in comments)			

- 1e

Overall budget of the body

Specify approximate £/annum for the report year.

Budget

Budget Comments

£332,466,000

Financial Year 2023/24 (Source: Finance)
https://www.angus.gov.uk/sites/default/files/2023-02/Report%2054_23_Provisional%20%20Revenue%20%26%20Capital%20Budgets%2023-24%20-%20Background%20Report%20%20Setting
- 1f

Report type

Check the report year type is correct. The alternative template must be used for academic year reporting.

Reporting type

Report year comments

Financial

Year 2023/24

- 1g

Context

Provide a summary of the body's nature and functions that are relevant to climate change reporting.

The local authority comprises of two services within a diverse estate. The scope of this report covers operational estate and emissions that the Council directly controls. The built estate incorporates offices, schools/nurseries and community buildings. Since December 1st 2015, all leisure/ library/museum buildings are operated by Angus Alive (Cultural and Leisure Trust). The Council continues to share facilities and asset mangement of these properties. The Council has operational fleet. Staff business mileage is calculated, commuting is not included. The Council also records emissions which arise from municipal waste & recycling, and from water supply and treatment.

Angus Health and Social Care Partnership (Angus HSCP) formally came into existence in April 2016. Angus HSCP is responsible for the delivery of social care and community based health services for all adults in Angus. The Angus Integration Joint Board (IJB) – the Partnership’s board of governance, strategy and scrutiny – became responsible for its delegated health and social care functions at the same time. Angus HSCP staff employed by Angus Council are included in question 1c. Where Angus HSCP occupy space within an Angus Council building, the associated emissions are reported in the Angus Council report. Angus HSCP fleet diesel consumption has been removed from the Angus Council total for the first time in this submission. The Angus HSCP fleet diesel consumption will be reported via the Angus HSCP submission (Rachel Bennison).

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.

Responsibility for governing climate change within Angus Council lies with the Transition to Net Zero Working Group. The working group consists of representatives from various team within Angus Council that have a climate change influence. The working group will oversee the completion of the actions and projects within the Transition to Net Zero Action Plan and champion climate change action within Angus Council operations.

Elected Members are invited to attend Transition to Net Zero / Climate Change briefing sessions.

Angus area wide emissions are governed by the Angus Sustainable Energy and Climate Action Plan (SECAP) and the newly formed SECAP steering group. The objective of the SECAP steering group is to monitor delivery of the plan, ensuring actions are carried out within Angus to deliver emissions reductions across various sectors. More information can be found within the 'Wider Influence' tab.

The Environment & Climate Change Team lead both working groups and support the working groups to complete the actions / projects within both Action Plans. Updates and progress are managed through Angus Council's performance management system Pentana.

2b How is climate change action managed and embedded in the body?

Provide a summary of how decision-making in relation to climate change action by the body is managed and how responsibility is allocated to the body's senior staff, departmental heads etc. if any such decision-making sits outside the body's own governance arrangements (in relation to, for example, land use, adaptation, transport, business travel, waste, information and communication technology, procurement or behaviour change), identify how this is managed and how responsibility is allocated outside the body. Provide a diagram to show how responsibility is allocated to the body's senior staff, departmental heads etc.

The Transition to Net Zero Working Group champion climate change action and aim to embed it within Angus Council. The day to day management of climate change action lies with the Environment & Climate Change Team.

Within the working group, there are five themed subgroups to allow collaboration and support to complete the actions and projects within in the Transition to Net Zero Action Plan. The five themed subgroups are: Leadership, Governance & Procurement, Buildings, Energy & Infrastructure, Waste, Recycling & Circular Economy, Fleet & Business Travel and Land Use Adaptation.

The Transition to Net Zero Working Group and the Sub Groups will meet four times a year. Elected Members will have three Transition to Net Zero / Climate Change briefing sessions per year.

Progress on climate change action and carbon emissions reductions are reported annually via the Public Bodies Climate Change Duties Reporting, the Angus Council Transition to Net Zero Action Plan and the area wide SECAP (Sustainable Energy and Action Climate Plan).

Within the Angus Council Transition to Net Zero Action Plan: 2022 to 2030 targets have been set to reduce Angus Councils operational emissions and to drive climate change action. The targets are inline with the Scottish Government of a 90% reduction by 2040 and Net Zero by 2045.

The Angus Sustainable Energy and Action Climate Plan (SECAP), declares an area wide target of a regional Net Zero carbon status by the year 2045. More information can be found within the 'Wider Influence' tab.

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.

[illegible]

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.

Angus Council Transition to Net Zero Action Plan: 2022 to 2030

https://www.angus.gov.uk/the_environment/sustainable_angus/climate_change

Sustainable Energy & Climate Action Plan (SECAP)

Area wide emissions.
https://www.angus.gov.uk/the_environment/sustainable_angus/climate_change

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	Sustainable Energy & Climate Action Plan (SECAP)	https://www.angus.gov.uk/the_environment/sustainable_angus/climate_change	2020-30	Approved by Angus Council Committee on 04/11/2021
Business travel	Angus Council Active and Sustainable Travel Action Plan	https://www.angus.gov.uk/sites/default/files/2021-02/43_App3.pdf	2020-24	Approved by Angus Council Communities Committee on 23/02/21
Staff Travel	Angus Council Active and Sustainable Travel Action Plan	https://www.angus.gov.uk/sites/default/files/2021-02/43_App3.pdf	2020-24	Approved by Angus Council Communities Committee on 23/02/21
Energy efficiency	Angus Council Transition to Net Zero Action Plan: 2022 to 2030		2022-30	Angus Council Transition to Net Zero Action Plan: 2022 to 2030 covers Angus Council's operational emissions, approved by Angus Council Committee 08/09/2022. Sustainable Energy & Climate Action Plan (SECAP) cover Angus area-wide emissions, approved by Angus Council Committee 04/11/2021 Angus LHEES in draft form during 2023/24
	Sustainable Energy & Climate Action Plan (SECAP)	https://www.angus.gov.uk/the_environment/sustainable_angus/climate_change	2020-30	
	Angus Local Heat & Energy Efficiency Strategy and Delivery Plan		2024-29	
Fleet transport	Vehicle Replacement Programme for 2023/24	https://www.angus.gov.uk/media/agenda_item_no_11_report_no_10023_vehicle_replacement_programme_for_20232024	2023/24	Communities committee 18th April 2023
ICT	No specific strategy but ongoing reports via the Change Programme on the Agile Working & Estates Review	https://www.angus.gov.uk/council_and_democracy/council_information/plans_policies_and_strategies/digital_strategy https://www.angus.gov.uk/media/agenda_item_no_8_report_no_15024_agile_working_and_estates_review		Recent Agile Working & Estates Review approved by Angus Council Full Committee on 09/05/2024

<div>Angus Council's priorities for 2024/25 are:</div> <div><div>1. Deliver and monitor the Angus Council Transition to Net Zero Action Plan and the Angus Sustainable Energy and Climate Action Plan (SECAP).</div><div>2. Deliver the Angus Local Heat & Energy Efficiency Strategy to improve the energy efficiency of buildings and ensure a just transition to decarbonised heat sources across Angus to reduce Fuel Poverty and contribute towards achieving Net Zero emissions.</div><div>3. Optimise sustainability opportunities through implementation of the Angus Change programme which offers resource efficiencies through estate rationalisation, greater use of IT, reduced staff travel and commuting.</div><div>4. Continue to develop Climate Change Adaptation strategy and nature-based solutions project delivery whilst considering Angus Shoreline Management Plan 2, Local Flood Risk Management Plans, National Planning Framework 4, Tayside Local Biodiversity Action Plan 2016-26 and the forthcoming Scottish National Adaptation Plan three.</div><div>5. Establish the area wide Tayside Adapts Partnership with Dundee City Council and Perth & Kinross Council supporting adaptation, communication and behaviour change at a regional scale.</div></div>	
2g	<div><div>Has the body used the Climate Change Assessment Tool (a) or equivalent tool to self-assess its capability / performance?</div><div>If yes, please provide details of the key findings and resultant action taken.</div><div>(a) This refers to the tool developed by Resource Efficient Scotland for self-assessing an organisation's capability / performance in relation to climate change.</div><div><div>The CCAT tool has not been used since 2019, please see the previous results below.</div><div>The Council used the Climate Change Assessment Tool (CCAT) at a workshop in June 2019 with officers from across all services. The group appraised and scored the Council's existing performance on the specified areas as follows:</div><div><div>1. Governance (39%, previously 39%)</div><div>2. Emissions (79% previously 77%)</div><div>3. Adaptation (61% previously 46%)</div><div>4. Behaviour (55% previously 55%)</div><div>5. Procurement (13% previously 13%)</div><div>Overall score (55% previously 49%)</div></div><div>The paper set out a SWOT (strengths, weaknesses opportunities and threats) analysis for Angus Council which identified key strengths including:-</div><div><div>• Governance structure – effective combination of the long standing Member Officer Group (MOG) on climate change, supported by Working Groups focusing on Adaptation, Carbon Reduction and Sustainable Development. Groups are meeting regularly, reporting on progress to the MOG.</div><div>• Corporate commitment to both annual and 2020 climate change related targets to reduce greenhouse gas emissions, water plus building and street lighting energy use. These are supported by relevant departmental budgets and monthly reports.</div><div>• Area wide commitment evidenced through signing up to deliver a Sustainable Energy and Climate Change Plan moving beyond operational boundaries to lead the wider area by example;</div><div>• Track record of assessing impacts of severe weather events through conducting two Climate Change Impact Assessments, approving policies and flood management, coastal management and a number of additional natural flood management strategies through partnership working;</div><div>• Angus Council has a strong record for public reporting on climate change, reporting voluntarily through Scotland's Change Declaration and the new mandatory reports since 2010. It has reported publicly through the Carbon Reduction Commitment as well as through the Carbon Trust Standard, becoming the first UK body to attain The Standard in relation to water.</div></div><div>The Climate Change Action Tool uses the answers given to the 28 questions to automatically generate a series of recommended action. The headline recommendations include:</div><div>Action Priority 1– continue to work through the new Sustainable Development Working Group to produce and adopt the new area wide Sustainable Energy & Climate Action Plan</div></div></div>
Further information	
2h	<div><div>Supporting information and best practice</div><div>Provide any other relevant supporting information and any examples of best practice by the body in relation to governance, management and strategy.</div><div><div>The Councils Risk Register has climate change noted as a high risk. This was updated in March 2024 - the likelihood, potential impact, existing controls and additional controls / actions to reduce the likelihood and/or impact scores were analysed and updated.</div><div><div>During 2023/24 Carbon Literacy Training was completed for key groups within the Council:</div><div>•Elected Members (9 attended)</div><div>•Environment & Climate Change and Development Planning Teams (8 attended)</div><div>•Members of the Transition to Net Zero Working Group (23 attended)</div></div><div>For the first time, the impacts of Climate Change, Adaptation and Net Zero (the Councils Transition to Net Zero Action Plan) were included in the mandatory Annual Governance Reminder eLearning.</div><div><div>Angus Council Transition to Net Zero Action Plan: 2022 to 2030</div><div>was approved by Angus Council Committee on 8 September 2022. The purpose of this Transition to Net Action Plan (2022 to 2030) is to ensure Angus Council meet the Scottish Governments Net Zero target by 2045. The key themes identified below, will be used drive emission reductions within key operational areas to meet the 2030 interim emissions reduction target:</div><div>•Leadership, Governance & Procurement</div><div>•Buildings, Energy & Infrastructure</div><div>•Waste, Recycling & Circular Economy</div><div>•Fleet & Business Travel</div><div>•Land Use Adaptation</div><div>Within each of these key themes, Action Plans containing emission reduction projects and initiatives have been developed. This will be a live document; it will evolve as technologies emerge and mature, as budget resources allow and as new techniques and practices develop.</div></div><div>Angus Council published a Sustainable Energy and Climate Action Plan (SECAP) in October 2021 which outlined actions across a variety of sectors involving stakeholders and partners from across the region. The purpose of the SECAP is to support Angus in its commitment to sustainable development, environmental management and the transition to a low carbon economy. It provides a roadmap demonstrating how Angus can reduce its carbon emissions and increase the resilience of the region, whilst at the same time positioning Angus to capitalise on the significant economic opportunities offered by a low carbon economy.</div><div>Long term Adaptation projects are included strategies such as The 2nd Edition Tayside Biodiversity Action Plan (covering the period 2016-26). http://www.taysidebiodiversity.co.uk/</div></div></div>

PART 3 Corporate Emissions, Targets and Project Data

Emissions

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 greenhouse gas protocol: A corporate accounting and reporting standard (revised edition)", World Business Council for Sustainable Development, Geneva, Switzerland / World Resources Institute, Washington DC, USA (2004). ISBN: 1-56973-568-9.

SELECT APPROPRIATE BASELINE YEAR. TOTAL EMISSIONS IN THE MOST RECENT FOOTPRINT YEAR IN THIS QUESTION SHOULD EQUAL TOTAL EMISSIONS IN Q3B

Reference year	Year	Year type	Scope 1	Scope 2	Scope 3	Total	Units	Comments
Baseline Year	2010/11	Financial	11,170.00	13,848.00	-	25,018.00	tCO ₂ e	2010/11 is the baseline year for the Carbon Management Plan. Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Reliable historical data relating to Scope 3 is not available
Year 1 carbon footprint	2011/12	Financial	10,490.00	13,452.00	7,485.00	31,427.00	tCO ₂ e	Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Scope extended to include waste and water.
Year 2 carbon footprint	2012/13	Financial	11,751.00	13,727.00	11,105.00	36,583.00	tCO ₂ e	Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Scope extended to include waste and water.
Year 3 carbon footprint	2013/14	Financial	10,766.00	13,795.00	8,870.00	32,931.00	tCO ₂ e	Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Scope extended to include waste and water.
Year 4 carbon footprint	2014/15	Financial	10,385.00	13,674.00	7,229.00	31,288.00	tCO ₂ e	Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Scope extended to include waste and water.
Year 5 carbon footprint	2015/16	Financial	9,870.00	12,477.00	8,580.00	30,927.00	tCO ₂ e	Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Scope extended to include waste and water.
Year 6 carbon footprint	2016/17	Financial	9,078.00	10,534.00	10,169.00	29,781.00	tCO ₂ e	Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Scope extended to include waste and water.
Year 7 carbon footprint	2017/18	Financial	9,421.00	8,498.00	10,121.00	28,040.00	tCO ₂ e	Full data is available for Scopes 1 & 2 and has been verified through the Carbon Trust Standard. Scope extended to include waste and water.
Year 8 carbon footprint	2018/19	Financial	9,044.00	6,492.00	2,297.00	17,833.00	tCO ₂ e	Full data is available for Scopes 1, 2 & 3.
Year 9 carbon footprint	2019/20	Financial	9,134.00	5,473.00	2,455.00	17,062.00	tCO ₂ e	Full data is available for Scopes 1, 2 & 3.
Year 10 carbon footprint	2020/21	Financial	8,989.09	4,270.66	3,073.00	16,332.75	tCO ₂ e	Full data is available for Scopes 1, 2 & 3.
Year 11 carbon footprint	2021/22	Financial	10,281.92	4,749.00	2,331.20	17,362.12	tCO ₂ e	Full data is available for Scopes 1, 2 & 3.
Year 12 carbon footprint	2022/23	Financial	8,995.28	4,144.71	2,237.58	15,377.57	tCO ₂ e	Full data is available for Scopes 1, 2 & 3.
Year 13 carbon footprint	2023/24	Financial	8,266.25	4,281.81	2,117.24	14,665.31	tCO ₂ e	Full data is available for Scopes 1, 2 & 3.
Year 14 carbon footprint		Financial				-	tCO ₂ e	
Year 15 carbon footprint		Financial				-	tCO ₂ e	
Year 16 carbon footprint		Financial				-	tCO ₂ e	
Year 17 carbon footprint		Financial				-	tCO ₂ e	
Year 18 carbon footprint		Financial				-	tCO ₂ e	

Breakdown of emissions sources

Please refrain from deleting rows or columns anywhere in this template. This workbook is password protected to prevent this and should not be unlocked.

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 Energy Security & Net Zero

Emission Factor Year

2023

You can filter emission sources by "type" in column C to enable quicker selection of emission source in column D. See the list in the Emissions Tab.

Use defined emission sources can be entered in rows 131 onwards. Please only use these if you cannot find a relevant emission source in the dropdown list or you have a bespoke emission factor or non-standard derivation of emissions e.g. based on a survey/consumption data. If you require extra rows in the table please send the template to ccreporting@ed.ac.uk.

Emission Type	Emission source	Scope	Consumption data	Units	Emission factor	Units	Emissions (tCO ₂ e)	Comments
Electricity	Electricity: UK	Scope 2	20,677,664	kWh		0.20707 kg CO ₂ e/kWh	4281.81256	Source: Energy Team
Electricity	Transmission and distribution - Electricity: UK	Scope 3	20,677,664	kWh		0.01792 kg CO ₂ e/kWh	370.44269	Source: Energy Team
Fuels	Natural gas	Scope 1	32,208,560	kWh		0.18293 kg CO ₂ e/kWh	5891.87729	Source: Energy Team
Fuels	Burning oil (Kerosene)	Scope 1	721,979	kWh		0.24677 kg CO ₂ e/kWh	178.56319	Source: Energy Team
Fuels	Gas oil	Scope 1	410,915	kWh		0.25650 kg CO ₂ e/kWh	105.39798	Source: Energy Team
Fuels	LPG	Scope 1	18,812	kWh		0.21450 kg CO ₂ e/kWh	4.03510	Source: Energy Team
Bioenergy	Wood chips	Scope 1	908,309	kWh		0.01074 kg CO ₂ e/kWh	9.75524	Source: Energy Team
Bioenergy	Wood pellets	Scope 1	-	kWh		0.01074 kg CO ₂ e/kWh	0.00000	Source: Energy Team. No emissions this year.
Water	Water supply	Scope 3	139,758	cubic metres		0.10000 kg CO ₂ e/cubic metres	13.97580	Source: Energy Team
Water	Water treatment	Scope 3	122,847	cubic metres		0.19000 kg CO ₂ e/cubic metres	23.34093	Source: Energy Team
Transport - car	Average car - Unknown	Scope 3	2,199,751	km		0.16664 kg CO ₂ e/km	366.36348	Source: Payroll Section
Fuels	Diesel (average biofuel blend)	Scope 1	826,818	litres		2.51206 kg CO ₂ e/litres	2077.01964	Source: Tayside Contracts Angus Health & Social Care Partnership litres have been deducted. They are now being reported by AHSCP.
Homeworking	Homeworking (office equipment + heating)	Scope 3	1,495,697	FTE Working Hour		0.33378 kg CO ₂ e/FTE Working Hour	499.23551	Source: HR. See separate calc sheet. 1667.5 FTE hours (36.25 hours per week x 46 weeks)
Waste	Organic: food and drink waste - Anaerobic digestion	Scope 3	2,782	tonnes		8.91242 kg CO ₂ e/tonnes	24.79409	Source: Waste
Waste	Organic: garden waste - Composting	Scope 3	9,369	tonnes		8.91242 kg CO ₂ e/tonnes	83.49620	Source: Waste
Waste	Glass - Recycled	Scope 3	2,372	tonnes		21.28081 kg CO ₂ e/tonnes	50.48318	Source: Waste
Waste	Metals - Recycled	Scope 3	1,443	tonnes		0.98491 kg CO ₂ e/tonnes	1.42134	Source: Waste (cans & metal scrap)
Waste	Paper and board: mixed - Recycled	Scope 3	5,494	tonnes		21.28081 kg CO ₂ e/tonnes	116.91165	Source: Waste
Waste	Batteries - Recycled	Scope 3	3	tonnes		21.28081 kg CO ₂ e/tonnes	0.07342	Source: Waste
Waste	Commercial and industrial waste - Landfill	Scope 3	-	tonnes		520.33474 kg CO ₂ e/tonnes	0.00000	Source: Waste (no landfill)
Waste	Household/Municipal/Domestic waste - Landfill	Scope 3	-	tonnes		497.04471 kg CO ₂ e/tonnes	0.00000	Source: Waste (no landfill)
Waste	Commercial and industrial waste - Combustion	Scope 3	2,231	tonnes		21.28081 kg CO ₂ e/tonnes	111.34960	Source: Waste
Waste	Household/Municipal/Domestic waste - Combustion	Scope 3	18,750	tonnes		21.28081 kg CO ₂ e/tonnes	399.01514	Source: Waste
Waste	Plastics: average plastics - Recycled	Scope 3	1,605	tonnes		21.28081 kg CO ₂ e/tonnes	34.14569	Source: Waste
Other	Other (please specify in comments)	Scope 3	1,043	tonnes		21.2808072 kg CO ₂ e/tonnes	22.196	WEEE - mixed - Recycled.
Other	Other (please specify in comments)	Please select from drop down box					-	Source: Waste. No option for WEEE mixed recycling, was in previous years. Used equivalent carbon emissions factor to last year.
Other	Other (please specify in comments)	Please select from drop down box					-	
							14,665.307	

Generation, consumption and export of renewable energy

Provide a summary of the body's annual renewable generation (if any), and whether it is used or exported by the body.

Technology	Renewable Electricity		Renewable Heat		Comments
	Total consumed by the body (kWh)	Total exported (kWh)	Total consumed by the body (kWh)	Total exported (kWh)	
Solar PV	376,135	70,327			Information taken from main 'PV GENERATION EXPORT.xls', 2023_24. Inverkeilor PS, Airlie Gardens - issue with inverters, fault fixed. Carnoustie Early Years & Forfar Early Years - inverters checked ok, but generation lower than anticipated. Abbey View Campus issue with inverter under investigation. Timmergreen PS lower generation Meter: A481594734 thank in previous years. 2023/24 total generation = 446,462 kWh - 70,327 kWh (exported) = 376,135 kWh consumed.
Biomass			908,309		Renewable heat element taken from EOY FINAL REPORT 23_24. Total heat output of 1574 kW (information from previous years reports). Tannadice Primary School biomass boiler switched off due to issues. Kinloch Care Home - boiler currently not operational. Issues with boilers through 2023/24 at Airlie PS & Seaview PS
Solar thermal					Isla Primary School 2023/24 - issue with the meter, reads not able to be taken.
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Targets

Organisational targets

List all of the body's targets of relevance to its climate change duties. Where applicable, targets for reducing indirect emissions of greenhouse gases, overall carbon targets and any separate land use, energy efficiency, waste, water, information and communication technology, transport and heat targets should be included. Where applicable, you should also provide the body's target date for achieving zero direct emissions of greenhouse gases, or such other targets that demonstrate how the body is contributing to Scotland achieving its emissions reduction targets.

[illegible]

3da	<p>How will the body align its spending plans and use of resources to contribute to reducing emissions and delivering its emission reduction targets? Provide any relevant supporting information that is not already included elsewhere in this report.</p> <p>During 2023/24 Angus Council agreed to using uncommitted General Fund reserves to support work and investment on a one-off basis in a small number of areas, such as climate change. A one-off investment fund of £0.75M was agreed for investment in climate change, net zero and biodiversity projects and initiatives. The following projects were recommended for approval by committee in February 2024 and will be completed during 2024/25:</p> <p>Biodiversity</p> <ul style="list-style-type: none"> • Angus Coastal Swifts Project • Land Use & Nature-based Solutions Project Officer Angus • Angus Habitat Mapping – First phase • Downie Moor Carbon Storage & Habitat Restoration <p>Climate Change / Net Zero</p> <ul style="list-style-type: none"> • Angus Climate Risk and Vulnerability Assessment • Road to Net Zero Study for the Council's Non-Housing Building Estate • Learning for Sustainability Coordinator • Air Source Heat Pump Design – Rosemount Primary School • LED Lighting Installations at 3 schools • Climate Resilience Grants <p>https://www.angus.gov.uk/sites/default/files/2023-05/Report%20on%20154_23%20Climate%20Change-Net%20Zero-Biodiversity%20One%20Off%20Fund.pdf https://www.angus.gov.uk/sites/default/files/2024-02/Report%2048_24%20Climate%20Change%20Net%20Zero%20Biodiversity%20One%20Off%20Investment%20Fund.pdf</p> <p>Property Assets - Angus Council has set up a Net Zero fund in its Capital Programme. The Property Assets section of the Financial Plan contains £100k for LED lighting works, which were deferred to 2025/26. Salix funding is also being used for LED lighting project in conjunction with Capital Funds.</p>
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3d0	<p>How will the body publish, or otherwise make available, its progress towards achieving its emissions reduction targets?</p> <p>Provide any other relevant supporting information. In the event that the body wishes to refer to information already published, provide information about where the publication can be accessed.</p> <p>Simply referencing this report or its availability on the SSN website is insufficient information.</p> <div data-bbox="258 1064 1795 1081" style="border: 1px solid black; padding: 5px;"> <p>The Angus Council - Transition to Net Zero Action Plan 2022 to 2030 was approved by committee on the 8th September 2022. The document shows Angus Councils progress to date, the key areas within Angus Council to focus emissions reductions and actions / projects to reduce emissions. The document will be updated annually, at the same time as this PBCCDR, and progress reported to committee. The updated document and associated committee report will be available via the Angus Council website.</p> <p>https://www.angus.gov.uk/the_environment/sustainable_angus/climate_change</p> </div>
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[illegible]

	Project name	Funding source	First full year of CO ₂ e 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 ₂ e/annum)	Estimated costs savings (£/annum)	Behaviour Change	Comments	
	Criminal Justice Team Car Replacement - 3 small Diesel cars to 3 Electric cars.	Angus Council Revenue Funding	2024/25	Estimated		See comment	not known	3 Small Car - Diesel		10	£1,848.62	Yes	Source: Evan Mitchell's, see workings sheet. Costs - Crown Commercial Services Fleet Portal which is commercially sensitive information.
	Webster High School - PV Array	Capital Budget	2024/25	Actual		212,229	not known	20 Electricity: UK		73	£25,552.00	No	Source: Energy Team - Websters Proposal 07.08.18.pdf - Quotation Forster Energy
	Brechin Community Campus - PV Array	Salix Fund	2024/25	Actual		237,612	not known	20 Electricity: UK		74	30635	No	Source: Energy Team -Brechin Campus Proposal 20.08.18.pdf - quotation from Forster Energy
	Webster Memorial Theatre LED lighting - areas 1 and 3	Salix Fund	2024/25	Estimated		37,083	not known	20 Electricity: UK		not known	not known	No	
	Webster Memorial Theatre LED lighting area 2	Salix Fund	2024/25	Estimated		33,812	not known	20 Electricity: UK		16	12796	No	Source: New LED lighting to all areas calc's - Copy of Webster Theatre Energy Calc2 with Co2 Done Salix.xlsx
	Grange PS LED lighting final phase	Capital Budget	2024/25	Estimated		53,715	not known	20 Electricity: UK		6	4007.232	No	Source: Edge Lighting -Grange PS Phase 2 Energy and Cost Analysis 04-10-22 Done Capital.xlsx
	Arbroath Sport Centre LED lighting to Sports Hall	Salix Fund	2024/25	Estimated		16,846	not known	20 Electricity: UK		4	4183.34	No	Source: Edge Lighting - Arbroath Sports Hall Energy Cost and Analysis.xls
			Please select from dropdown box	Please select from dropdown box				Please select from dropdown box				Please select from dropdown box	
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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 ₂ e)	Increase or decrease in emissions	Comments
Estate changes	93	Decrease	Agile Disposals April 22 Carbon Savings.xls info from Gavin
Service provision		Please select from drop down box	
Staff numbers		Please select from drop down box	
Other (please specify in comments)		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
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Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Total			93

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 ₂ e)	Comments
Electricity		Savings TBC - Arbroath Academy lighting project deferred to 2025/26
Natural gas		
Other heating fuels		
Waste		
Water and sewerage		
Travel		
Fleet Transport		
Other (please specify in comments)		
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Total	-	

3i Estimated decrease or increase in emissions from other sources in the year ahead

If the body's corporate emissions are likely to increase or decrease for any other reason in the year ahead, provide an estimate of the amount and direction.

Emissions source	Total estimated annual emissions (tCO ₂ e)	Increase or decrease in emissions	Comments
Estate changes		Please select from drop down box	
Service provision		Please select from drop down box	
Staff numbers		Please select from drop down box	
Other (please specify in comments)	1	Decrease	Estimated building and/or operational additions/removals from the Energy Budget; Source: E Budget 2025 April 2024 update.xls
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
Please select from drop down box		Please select from drop down box	
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Please select from drop down box		Please select from drop down box	
Total	-		1

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 ₂ e)	Comments
Total project savings since baseline year	7,873	since 2016/17 (energy projects added yearly, Streetlighting 17/18 only, Waste 18/19 only, 22/23 no energy projects, inc. waste and fleet, 23/24 energy and fleet projects. (2016/17 to 2022/23 = 7,597)

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.

Property Assets - During 2023/24, LED lighting upgrades were completed at Arbroath Sports Centre and a number of Sheltered Housing schemes, PV installations with batteries to a sheltered housing scheme also became operational. Two large solar PV installations at Websters HS and Brechin Community Campus were completed and are operational. Staffing and recruitment issues continue to make it difficult to progress projects and unlikely to progress large scale projects. It is proposed to procure in 2024/25 external consultants to provide a comprehensive report on a Route to Net Zero Strategy for the Council's operational buildings alongside using external consultants to prepare a pilot scheme for an ASHP at Rosemount Primary School. This will allow the Council to take forward an informed Net Zero works programme for it's operational buildings.

Capital Projects Team - a Primary School and Community Campus were identified for EnerPHiB studies - desktop studies have been completed, and will be used to assist the development of the Angus Route to Net Zero Study. Monifieth Learning Campus has been designed to achieve Passivhaus design standard. The project commenced on site 29 May 2023. Completion of Phase 1 (new building) programmed for end of July 2025.

Fleet - The Council only has 3 diesel cars and 7 small diesel vans left to convert away from combustion engine by 2025, which is the target year for phasing out petrol and diesel cars and vans in the public sector fleet. There are a couple of teams within the Council having major problems with the use of electric vehicles due to the long distances they travel across Scotland - they have recently (during 2024/25) been authorised to lease petrol hybrid vehicles.

Waste Management - Household waste recycling rates not ratified by SEPA until October thus we can only report on 2022 data at this stage. In 2022 Angus Council had a household recycling rate of 51.7% and a carbon impact of 104,113 tCO₂e, which was the tenth lowest carbon impact in Scotland. We had a landfill rate of 1.9% which was the third lowest in Scotland. In 2023 we recycled 61.2% of waste accepted at our recycling centres which was slightly down on the 2021 rate of 62.41%.

PART 4	
Adaptation - please do not include information in this part on measures that solely reduce emissions with no implications for climate adaptation. These are climate mitigation measures which should be reported in the Emissions tab.	
Assessing and managing risk	
4a	<div><p>Has the body assessed current and future climate-related risks?</p><p>If yes, provide a reference or link to any such risk assessment(s).</p><div><p>Yes, assessments have been carried and reported through the following documents:</p><p>Angus Council Emergency Plan https://www.angus.gov.uk/media/angus_council_emergency_plan</p><p>Angus Local Climate Impacts Profile (LCLIP) 1st edition https://www.angus.gov.uk/media/angus-local-climate-impacts-profile-lclip-1st-edition</p><p>Angus Local Climate Impacts Profile (LCLIP) 2nd edition https://www.angus.gov.uk/media/angus-local-climate-impacts-profile-lclip-2nd-edition</p><p>North of Scotland, Resilience Partnership Community Risk Register http://www.firescotland.gov.uk/media/864538/north_crr_version_1.2.pdf</p><p>2016/17 period saw development work on the Local Flood Risk Management Plan (approved June 2016) https://www.angus.gov.uk/the_environment/flooding_and_coastal_erosion/tay_estuary_and_montrose_basin_local_flood_risk</p><p>The Interim Report on the Tay Estuary and Montrose Basin Flood Risk Management Plan shows the progress made in delivering the actions to avoid and reduce the risk of flooding, and prepare and protect ourselves and our communities across the local plan district. https://www.angus.gov.uk/media/interim_report_on_the_tay_estuary_and_montrose_basin_local_flood_risk_management_plan</p></div></div>
4b	<div><p>What arrangements does the body have in place to manage climate-related risks?</p><p>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.</p><div><p>The Angus Local Development Plan 2016 (ALDP) strategy is based on a 'presumption in favour of sustainable development' and contains specific policies : PV12 Managing Flood Risk which states that to reduce potential risk from flooding, there will be a general presumption against built development proposals on the functional floodplain; which involve land raising resulting in the loss of the functional flood plain; or which would materially increase the probability of flooding to existing or planned development. Policy PV13 Resilience and Adaptation explores resilience to the effects of climate change such as flood and drought, extreme weather events and rising sea levels. In future Angus Council may require development proposals to incorporate adaptation measures Policy PV16 Coastal Planning supports a precautionary approach to potential impacts of coastal flooding. The ALDP is supported by an Environmental Report and Strategic Flood Risk Assessment which influenced plan development in light of some climate change impact.</p><p>Angus Council as Lead Local Authority for the Tay Estuary and Montrose Basin Local Plan District continue to deliver the actions in the Local Flood Risk Management Plan for Tay Estuary and Montrose Basin Local Plan District - http://apps.sepa.org.uk/FRMStrategies/pdf/lpd/LPD_07_FRMIS.pdf - and are partners on the Tay Local Plan District, which is led by Perth & Kinross Council.</p><p>Tayside Local Asset Resilience Register is maintained and developed. It is a list of community/ voluntary groups that can be called to action in the event of severe weather events.</p><p>Continue to support the Resilient Business & Communities working group.</p><p>We continue to support and develop a number of active community groups, especially those at risk of getting cut off in severe weather or flooding including integration to the Council's emergency plans.</p><p>We continue to explore capacity building e.g. first aid training, tie in with other community health empowerment initiatives such as issuing of defibrillators.</p><p>We continue to work with schools to build resilience as part of the curriculum.</p><p>Use of SALIX funding projects to reduce the Councils' CO2 emissions for all non housing properties.</p><p>The Angus Active Travel Strategy and Action Plan was approved in February 2021, along with a pipeline of active travel projects. Delivery of these actions and projects will contribute to the impacts of transport on climate change.</p></div></div>
Taking action	
4c	<div><p>What action has the body taken to adapt to climate change?</p><p>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 body may wish to make reference to the Scottish Climate Change Adaptation Programme (“the Programme”).</p></div>

Angus Council allocated £750k in 2023/24 to a Net Zero /Biodiversity Fund. Staff identified a range of projects (approx. £200k) that would contribute to adaptation and nature restoration. These will be delivered from 2024 onwards.

During 2023/24 Angus Council and the River South Esk Catchment Partnership have worked together to scope landscape scale interventions that can be delivered by the Scottish Government Nature Restoration Fund (NRF). These projects will positively impact on climate change via the enhancement and reconnection of habitats including rivers, wetlands, ponds, woodlands, grassland and peatlands. The Partnership was awarded Development phase NRF funding in late 2022 and submitted a delivery phase application in July 2023. In Feb 2024 the RSECP/Angus Council was awarded £1.5 mil for delivery up to March 2026. The bid includes wetland creation, river restoration, riparian tree planting, montane woodland regeneration and instream works. All will deliver against the climate and biodiversity crises. This approach is being used to investigate the delivery of similar projects across Angus.

A review of Angus action in the Tayside Local Biodiversity Action Plan 2016-26 is complete and highlights actions delivered that contribute to climate change adaptation as well as actions still to be delivered. The monitoring undertaken for actions delivered between 2016 and 2023 illustrates that 75% of actions in the plan relevant to Angus, or 116 out of 155 actions, are in delivery or complete. The report can be found at https://www.angus.gov.uk/sites/default/files/2023-11/Report%20321_23%20Tayside%20Local%20Biodiversity%20Action%20Plan%202016-2026%20Progress%20Report-App1.pdf

Angus Council through the Cairngorm National Park Authority (CNPA) - joint catchments project continue to investigate landscape scale approaches to natural flood management, riparian tree planting schemes and peatland restoration. All of which are excellent land use management approaches to mitigate against the effects of climate change and provide innovative adaptation examples at site specific and landscape scales. During 2023/24 has continued to work on the Heritage Horizons HLF Fund development phase funding programme and in Dec 23 it was announced that delivery phase funding was secured. Angus Council and the River South Esk Catchment Partnership has worked with the CNPA to develop NFM/restoration projects in three Angus catchments, all in potentially Vulnerable Areas. This delivery phase is for up to £500k and runs until 2028.

Treatment of Invasive Non-Native Species (INNS) during 2023/24 continues, particularly along river corridors across many Angus catchments. This reduces soil erosion in high spate events, thereby increasing the stability of the river bank, restoring natural vegetation. The Scottish Invasive Species Initiative, now in its seventh year, continues to successfully increase the volunteer pool with INNS treatment skills. The Heritage Horizons HLF project will also produce a site specific Giant Hogweed treatment Plan for the Dalgety area at Brechin. <http://theriversouthesk.org/projects/hogweed-and-knotweed-control/>

During 2023/24 Angus Council delivered nature focussed improvements that positively impact on climate change via the authorities Nature Restoration Fund direct award (306k). These included the restoration of urban ponds, urban tree planting in green corridors, habitat restoration on Montrose Basin Local Nature Reserve and invasive management in woodlands.

Angus Council continues to prioritise the restoration of grassland and diversification of open space for biodiversity. The Angus Space For Nature project which began in 2020 now covers many Angus towns and we continue to work with Buglife on the B-lines project 'Strathmore People & Pollinators'

Brechin Flood Prevention Scheme was completed and opened in October 2016. The 1.5km of flood embankments and walls up to 1.8m high have been installed along the north bank of the River South Esk to provide a 1 in 200 yr. flood defence. Environmental improvements

4d Where applicable, what contribution has the body made to helping deliver the Programme?

Provide any other relevant supporting information

Understanding the effects of climate change and their impacts on the natural environment - Measuring the effects of climate change on the natural environment is a huge task and Angus Council are guided by our partners through collaborative project work and strategy development. The Tayside LBAP published in Aug 2016 takes into account the effects of climate change on a variety of species and habitats. Surveys have been undertaken on invasive species movement e.g. Co Coasts and INNS in riverine and estuarine areas in particular. Citizen science projects are developed and supported by the partnership allowing us to better understand species migration, abundance and decline. Montrose Bay is a Super Site under the Scottish Government's Dynamic Coast project. The project is establishing the effects of climate change on our coastline with the latest mapping and modelling. An adaptation plan is under development. Feasibility studies have also been developed via the HLF Heritage Horizons projects and Nature Restoration Fund bids in riverine and wetland habitats.

Support a healthy and diverse natural environment with capacity to adapt - Climate change is embedded in the Tayside LBAP and other policy documents such as SMP2 and Flood Risk Strategies which include flood management and coastal management policies. All three plans favour natural mitigation and adaptation measures where possible, enabling healthy ecosystem services. In the River South Esk Catchment, natural flood management schemes continue to be delivered and the development of nature-based solutions continue to be explored throughout Angus.

Sustain and enhance the benefits, goods and services that the natural environment provides - The ALDP 2016 produced by Angus Council contains Policy PV14 Water Quality, its purpose is to protect and enhance the quality of the water environment. Development proposals will be assessed within the context of: the National Marine Plan; the Scotland River Basin Management Plan and associated Area Management Plans; relevant guidance on controlling the impact of development and associated works; relevant guidance on engineering works affecting water courses; and potential mitigation measures. Actions to enhance ecosystem services are/will be embedded in the Sustainable Energy and Climate Action Plan, LBAP, ALDP and ongoing green network and Local Nature Conservation Site work. All focus on ecosystem scale projects, supporting healthy functioning ecosystems & ecosystem services.

Montrose Bay is a Super Site under the Scottish Government's Dynamic Coast project. The first phase of the project has established the benefit natural coastal defences have. The project is establishing the effects of climate change on our coastline with the latest mapping and modelling. Work around finding solutions for issues at Montrose Bay continues.

Understand the effects of climate change and their impacts on buildings and infrastructure networks is embedded in the newly developed Local Housing Strategy, LBAP, and ALDP 2016. Gradual increase in highlighting impacts and costs of climate change in committee reports.

Provide the knowledge, skills and tools to manage climate change impacts on buildings and infrastructure - Embedded in the Local Housing Strategy, LBAP, ALDP 2016 and Open Space Strategy.

Understand the effects of climate change and their impacts on people, homes and communities - Embedded in the Local Housing Strategy, LBAP, ALDP and Open Space Strategy, supported development of local resilience planning. Have established a Resilient Business & Communities working group. Sharing good practice with communities and landowners is ongoing.

Increase the awareness of the impacts of climate change to enable people to adapt to future extreme weather events - Embedded in the Local Housing Strategy, Results of both LCLIPs were widely promoted and published to raise corporate and public awareness. Have established a Resilient Business & Communities working group. Working with high schools to raise awareness of resilience. See also Local Flood Risk Management Plans and links to National Flood Risk Assessment by SEPA.

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).

A detailed Adaptation Action Plan has been developed and is incorporated into the Angus Sustainable Energy & Climate Action Plan. In addition to this a second River South Esk catchment Management Plan is being progressed. This will outline the delivery of nature based solutions on the largest river in Angus and its catchment area. This approach will be transferable for other catchments.

Progress will be monitored through regular meetings of internal corporate land use adaptation working groups and external partnerships.

Flood Risk Management Planning allows for the updating of National Flood Risk Assessments for changing forecasts for climate change and impact on adaptation actions.

The coastal change project in Montrose, Dynamic Coast 2, will include the adoption of an adaptation plan. Preliminary actions are being progressed.

Angus Council is joining Dundee City Council and Perth & Kinross Council in forming a regional adaptation partnership. This will support and steer multistakeholder adaptation resilience and action. Alongside this piece of work a Climate Risk & Vulnerability Assessment is being developed for Angus and will sit alongside other Tayside plans.

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).

As previously mentioned progress will be monitored through regular meetings of internal corporate landuse adptation working groups and external partnerships. Partnership work is key and there are many strong adaptation focused teams collaborating within Angus. Angus Council also work closely with partners in Tayside, Aberdeenshire and within the Cairngoms National Park Authority area.

River South Esk Partnership Steering Group continues to meet 3 times p.a. and reviews the impacts of projects including those with an adaptation element. A consultation was carried out in 2019, prior to the pandemic to form a second catchment management plan in which adaptation and nature based solutions features heavily. This is to be revisited to update the focus of action and incorporate Nature Networks and outcomes from the Scottish Biodiversity Strategy. Funding was approved in 23/24 to appoint a further RSECP offier in summer 2024 to work in these araes.

Interim and Final Reports on the delivery of actions in the Local Flood Risk Management Plans are published 2-3 years and 5-6 years after publication of the Plans, i.e. 2019 and 2022 respectively.

Angus Council is joining Dundee City Council and Perth & Kinross Council in forming a regional adatation partnership.This will support and steer multistakeholder adaptation ressilience and action and monitor its impact and identify new adaptation action.

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.

Angus Council priorities for 2024/25 are:

1. Work with partners to deliver Nature Restoration Fund monies to enable landscape scale Natural Flood Management and habitat restoration projects accross Angus.
2. Formalise and launch the Tayside Adapts Partnership.
3. Use Green Network, Local Nature Conservation Site site data, Open Space Strategy Audits and other clmate related materials to inform the next Angus Local Development Plan.
4. Deliver both the Angus Shoreline Management Plan 2 and the new edition Local Flood Risk Management Plan.
5. Engage in community resilience networks and local climate change action plans enabling the community to participate in adaptation works in their communities.

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.

<https://www.angus.gov.uk/media/tayside-local-biodiversity-action-plan-20162026>

<https://www.angus.gov.uk/media/smp2-main-document>

<http://theriversouthesk.org/projects/>

<https://www.youtube.com/watch?v=2TGKyb496mw>

https://www.angus.gov.uk/the_environment/flooding_and_coastal_erosion/tay_estuary_and_montrose_basin_local_flood_risk

<http://www.readyscotland.org/my-community/local-plans-and-good-practice/edzell-flood-group-and-action-plan/>

<https://cairngorms.co.uk/working-together/cairngorms-2030/>

<https://www.greenspacescotland.org.uk/news/finding-space-for-nature>

<https://www.buglife.org.uk/news/exciting-new-buglife-project-strathmore-b-lines-awarded-national-lottery-funding-in-scotland/>

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.

Sustainability impact has been required to be evaluated as part of our larger tenders particularly within Construction. All our procurements are undertaken in accordance with the Sustainability Duty and corporate direction with regards evaluation weightings is about to be set as part of new internal procurement standing orders.

The standard procurement templates include a scored qualitative aspect specifically in relation to the bidders' actions in relation to the climate agenda. We have just recruited a dedicated Community Benefits & Sustainability Officer - they are currently developing processes and guidance with the intentions that this will enable delivery of training and documentation to support Services in relation to adopting such measures within their procurements and the capturing / recording of the benefits achieved also.

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.

Sustainability impact has been required to be evaluated as part of our larger tenders particularly within Construction. All our procurements are undertaken in accordance with the Sustainability Duty and corporate direction with regards evaluation weightings is about to be set as part of new internal procurement standing orders.

The standard procurement templates include a scored qualitative aspect specifically in relation to the bidders' actions in relation to the climate agenda. We have just recruited a dedicated Community Benefits & Sustainability Officer - they are currently developing processes and guidance with the intentions that this will enable delivery of training and documentation to support Services in relation to adopting such measures within their procurements and the capturing / recording of the benefits achieved also.

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.

As above.

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.

This report was circulated to the Transition to Net Zero Working Group on the 19th of September 2024.

It was subsequently circulated across all Council Services as part of the Angus Council committee report consultation process. Approved by Committee on the 7th of November 2024.

6b Peer validation process
Briefly describe the body’s peer validation process, if any, of the data or information contained within this report.

N/A - see above.

6c External validation process
Briefly describe the body’s external validation process, if any, of the data or information contained within this report.

N/A - see above.

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.

N/A

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:	Caren Webster
Role in the body:	Project Officer - Climate Change
Date:	01/10/2024

Date in format (dd/mm/yyyy)

Recommended Reporting: Reporting on Wider Influence

Q1) Historic Emissions (Local Authorities Only) ****The latest dataset is not available. If you wish to include area emissions in the report a separate tab will be posted on the SSN website after DESNZ publishes the dataset, late June/early July ****

Local Authority (Please State)															
DESNZ Dataset: (Full or sub-set)															
Source	Sector	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Units	Comments
DESNZ Sectors	Total Employment													WCO2a	
	Industry and Commercial													WCO2a	
	Domestic													WCO2a	
	Transport total													WCO2a	
	Per Capita													WCO2a	
Other Sectors	Please select from drop down box													Please select from drop down box	
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Sector	Description	Type of Target [units]	Baseline value	Start year	Target	Target/End year	Saving in latest year measured	Latest Year Measured	Comments
Overall Reduction Target	Regional Net Zero carbon status by the year 2045	Absolute (TCOZ)		Please select from drop down box	Net Zero	2045		Please select from drop-down box	Committee Report 118/20 Climate Change Action; Target aligned to the Angus SCAP. No baseline year stated.
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Angus Sustainable Energy & Climate Action Plan (SECAP): By 2030, Angus will be a major contributor to achieving Scotland's national climate change goals, and a leader in clean growth, environmental stewardship and sustainable communities.

[illegible]

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

SECAP monitoring and review	
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The SECAP is intended to be a living, evolving document which will change through engagement with the people of Angus and as new opportunities and initiatives come forward. An initial review of the SECAP was undertaken in 2023, including a review of the SECAP Work Programme which was published alongside the plan in 2021.

Since then, a full review of all seventy-one SECAP actions has taken place which found that 73% of actions are in progress or have been completed, 14% of actions have stalled, this is often due to funding or capacity constraints since publication of the SECAP i.e. some funding streams are no longer available.

The actions within the 'Governance and Process' section are the most advanced, with two thirds of these actions completed and the remaining actions progressing. This shows Angus Council and wider decision-makers commitment to prioritising emissions reduction across Angus, and the Ruffing towards the vision of the SECAP for Angus, alongside the national climate goals towards net zero by 2045. In addition, a newly formed Angus Climate Hub, which works with a wide range of stakeholders from across Angus, will be ground to create awareness and engagement around climate change mitigation and adaptation. The Angus Climate Hub fulfils the SECAP objective to create a 'community climate forum' which facilitates engagement around climate action with a broad range of interested parties across Angus.

[illegible]

Q3 Please detail key actions relating to Food and Drink, Biodiversity, Water, Procurement and Resource Use in the table below

Angus Council carried out engagement and consultation with the community of Montrose around the opportunities, local ideas and barriers when aiming to create a better environment for walking and cycling. Ethos Consultants were appointed to support the project and assist with the engagement and consultation process. Angus Council and Angus Council Community Partnership have been working together to create a better environment for walking and cycling in Montrose. Angus Council highlighting potential opportunities the create a better environment for walking and cycling. The main messages from these studies were taken into account when designing the engagement process. Two engagement sessions took place within the local supermarket, Tesco's where members of the public could highlight any existing barriers as well as any opportunities to active travel across the town. A further two days of engagement took place within the Montrose Library. Running in parallel the Active Travel in Montrose project was published on the digital engagement platform Angus Active. 362 individuals took part either in the person events or the online engagement with the final report listing the key themes identified during this process.

The year, the focus was on two primary schools to raise awareness around the problem around congestion at drop-off/pick-up and propose solutions. The campaign was called Red, Birds and Smiley – Smiley was to start school days and ran from February to late March. The focus was on the way we approach the school bus in promoting and facilitating such a cycle of giving and getting, as well as how we can make the safe parking areas for cars and buses. The outcomes of which were: reduced congestion around school gates, ensure smoother and quicker drop-off and pick-up, and eliminate the stress of navigating through congested streets. The campaign was held in primary schools in Ashburton and Newmarket. The primary schools in Newmarket were the two primary schools that were involved on while other engagement took place with Northmead Primary in Erimburton and St Lukes Primary in Morningside. The purpose of the work with the Kilmorie and Morningside locations was very much to gauge demand and begin setting up of similar interventions there that would then be the basis for future funding bids. The Park and Ride schools initiative with Ashburton aimed to provide parents with a safe place to drop their children off at bus to then get on a supervised group walk to 15 minutes into the school. The focus was on the school bus having arrived at the school gates. As a result, people were encouraged to join young classmates in a group cycle to school as well as people who were unable to get to school in their own cars. A total of 26 children participated in the Red Bus.

<http://www.cphcphd.org.au/individernew>

Funding was secured to allow for further development of the key themes that were identified in the previous Tactran supported town active travel audits. Again, Angus Council worked with a consultant to identify a number of options that would improve conditions for walking, wheeling and cycling across these towns and presented a number of options. Online engagement, in person consultation and workshops helped to further develop these options and identify the most preferred ones. Final reports have provided comprehensive project lists and possible funding streams that will assist with the next steps.

Angus Food Growing Strategy – The Community Empowerment 2015 (Scotland) Act, part 9 places a duty on every local authority to prepare a food growing strategy. The Angus Food Growing Strategy and action plan was published in March 2021. The strategy reflects local conditions and priorities. Improving health and wellbeing and addressing food poverty are established council priorities and this strategy is an opportunity to work across the council and with communities to support community growing, increasing pride of place to live. It demonstrates our commitment to support our citizens to develop projects that bring wider benefits such as opportunities for outdoor learning. Producing more food locally will play an important role in supporting our effort to reduce our carbon footprint of our food system, while providing fresh and nutritious produce for the citizens of Angus.

Sustainable Kirmorel has agreed a lease from Kinnority Estate to take on an acre of field at Home Farm for the purposes of creating a market garden/community farm. Initially the growing project will be no more than 2 acres. Sustainable Kirmorel will be looking for other interested parties to partner with on the ground, and Kinnority will make the land available to the project to grow the whole field. The key purpose of the project is to produce high quality local food for local people, with secondary objectives to promote education around growing and producing, with local volunteering opportunities. This community growing project also has the potential for wider partnership collaboration opportunities. The project is currently in early stages of grant applications and funding with updates due by the end of 2024.

Looking ahead to 2024/25 objectives, Appetite for Angus aim to position Angus as a 'go to' food and drink destination, whilst raising the profile of Angus food and drink businesses, through the following projects.

1. Food tourism trail development & promotion: support and development for three Angus food and drink trails: The Smoke Trail, The Angus Berry Trail and the Angus Spirit Trail.
2. Organise & attend events to promote the Angus food and drink sector: Increase awareness of Angus food and drink through attending national and regional events.
3. Connect producers with buyers to encourage local business to develop and thrive: Delivering the Tasting Tydside & Fife 2024 festival along with continued promotion and development on a wider scale.

Angus Rural Mobility Hub and Brechin Business Park Phase 2 – This project is now looking for an alternative location in Angus due to the land agreement not being completed. The project will still aim to provide the same outcomes - this Tay Cities Deal project is focused on delivering innovative, sustainable logistics and re-fuelling solutions and to provide the space for sustainable business growth. Angus Council aim to provide the infrastructure for business to enable a practical 'living lab' environment for business to engage with clean growth technology and test solutions. The project Full Business Case will be developed for the new location and be reviewed by both UK & Scottish Governments.

benefits of this are to look at the opportunities from the high concentration of offshore wind farms which currently depend on boats and helicopters for pre-construction surveys and regular maintenance and inspections. Creating this airspace will enable this activity to be decarbonised and generate significant economic efficiencies through reduced costs. Angus Council is in discussions with industry to fully scope out the design of the Mercury Drone Port and airspace and is engaging key stakeholders to ensure the project delivers it's outcomes and contributes to the Scottish Government carbon reduction targets by 2045.

The SECAP outlines an ambition to set up a Community Climate Forum facilitate engagement around climate action with a broad range of interested parties throughout Angus. In 2023, Scottish Government funding became available to support the facilitation and running of climate hub to be set up across Scotland. An Angus Climate Hub has been set up which will encourage local on the ground action to raise awareness of climate change impacts, along with mitigation and adaptation solutions to increase community resilience. Angus Council's Environment and Climate Change team work closely with Angus Climate Hub and in Summer 2023 delivered Climate Change engagement events across Angus in Forfar, Brechin and Arbroath together.

Going forward, Angus Council's Environment and Climate Change team will continue working in partnership with Angus Climate Hub to deliver community engagement activities outlined in the SECAF. Within Tayside, a regional adaptation partnership has been created, which involves Perth and Kinross Council, Angus Council and Dundee Council working together with Adaptation Scotland to deliver workshops across the region to explore climate change adaptation including current and future work. Members from Angus Council and Angus Climate Hub will attend these workshops and collaborate on potential solutions. In addition, Angus Council and Angus Climate Hub aim to deliver a talk in collaboration at Angus Resilience Forum outlining the climate change risks which could have an impact within Angus along with actions to increase community resilience within the region.

The Council's Energy Efficiency improvements to our Housing stock have continued to represent the largest single area of Capital investment in Housing in 2023/24 with a total annual spend of £3.524 Million on works associated with improvements and our journey towards 'Net-Zero'.

Works aligned with the Scottish Governments 'Energy Efficiency Standard for Social Housing' (EESHS2) have continued and this programme delivered over £2.64million of improvements, mainly focused on the installation of External Wall Insulation (EWI). The current contract has also included installation of Internal Wall Insulation (IWI) and other fabric upgrades where appropriate. Approximately 230 Council properties received EWI in 23/24 and the associated HEEPS related work for Private owners complete around 115.

Following the success of our installation of Photovoltaic (PV) & Battery storage within two Sheltered Housing Complexes in 2022/23, a further 4 sheltered complexes benefitted from similar works in 2023/24. These projects help provide some of our most vulnerable tenants with significant percentage of their domestic electricity needs free-of-charge. The works also benefitted from the Scottish Government's Social Housing Net Zero Heat-Fund (SHNZHF) which contributed 50% of the overall cost of almost £850k. Associated with this work was the installation of efficient electric Quantum heating and almost £300k was expended on this programme in 2023/24.

Energy Efficiency improvements to Sheltered Housing have also included the installation of LED lighting to communal and external areas and there was a total spend of £172K on this in 2023/24.

Window replacements were completed in 55 homes in the Arbroath area in 2023/24 as part of a rolling programme of contracts to replace older windows with new, high performance, triple glazed units. A total of around £370K was expended and this programme is to be expanded for 2024/25.