# ARGYLL AND BUTE COUNCIL CLIMATE CHANGE BOARD

# POLICY AND RESOURCES COMMITTEE 15<sup>TH</sup> August 2024

#### COUNCIL CARBON EMISSIONS 2022/2023

#### 1.0 EXECUTIVE SUMMARY

- 1.0 Scotland has some of the most ambitious targets and progressive legislation in terms of climate change in the world. Public sector bodies, including Councils, will play a key role in meeting the Scottish 2045 Net Zero target and have statutory climate change duties under the Climate Change (Scotland) Act 2009 to: Cut greenhouse gas emissions, prepare for the impacts of climate change, and act sustainably. The most recent results from the Public Bodies Climate Change Duties Report for the financial year 2022/23 are now available online, and have been published in the Sustainable Scotland in May 2024.
- 1.1 188 public bodies, including Local Authorities, NHS Boards, Educational Institutions, Transport Partnerships, and Integration Joint Boards across Scotland have reported via the 2022/23 Public Bodies Climate Change Duties. These reports include information on corporate emissions, projects, renewables, emission targets, and climate adaptation action. Total emissions reported in 2022/23 in Scotland via the Public Bodies

# 2.0 RECOMMENDATIONS

That the Policy and Resources Committee are asked to consider:

- Public Bodies Climate Change
  Duties report, confirming a 6% decrease in emissions reported for the
  year. 2e, from
  28,217 tCO<sub>2</sub>e in 2021/22 to 26,512 tCO<sub>2</sub>e in 2022/23; and
- 2.2 the Full Decarbonisation Tracker update attached at Appendix A.

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#### POLICY & RESOURCES COMMITTEE

**CLIMATE CHANGE BOARD** 

15<sup>th</sup> August 2024

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## 3.0 INTRODUCTION

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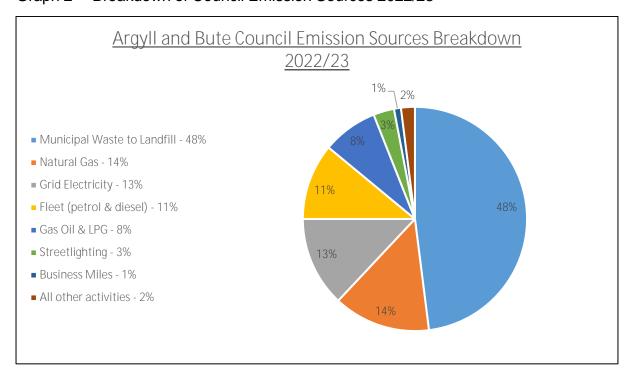
Bodies: Reporting Requirements) (Scotland) Amendment Order 2020, requires public bodies to report annually on compliance with climate change duties. Mandatory reporting began in 2015/16. Argyll and Bute Council is one of these organisations required to publish annual emissions data. The most recent Public Bodies Climate Change Duties Report is now available on the

Year carbon footprint	5	2020/21	8,611	4,178	13,830	26,619	tCO <sub>2</sub> e	
Year carbon footprint	6	2021/22	8,905	4,236	15,076	28,218	tCO <sub>2</sub> e	

Table 2 Breakdown of Council Emission Sources 2022/23

Emission Source	Emissions (tCO2e)	Comments
Municipal Waste to Landfill	12,866	~ 48% of total emissions
Natural Gas	3,829	~ 14% of total emissions. Gas used mainly as heating source in buildings.
Grid Electricity	3,445	~ 13% of total emissions
Fleet (petrol & diesel vehicles)	2,805	~ 11% of total emissions
Gas Oil & LPG	2,067	~ 8% mainly for building heating
Street lighting	681	~ 3%
Business Miles (unspecified fuel)	358	~ 1%
All other activities	461	~ 2% of total carbon footprint includes collections for recycling, water treatment, tyre processing, glass / WEEE recycling

Graph 2 Breakdown of Council Emission Sources 2022/23



5.4 Emissions generated by different Council activities have remained fairly consistent for a number of years, and although small variations have been reported, percentage contributions remain broadly unchanged. Municipal waste disposed to landfill is responsible for approximately half of the total Council emissions figure, however compliance with the Biodegradable Municipal Waste Landfill Ban will realise future reductions for that particular emission source. Additionally, continued decarbonisation of heat in buildings, installation of

fleet transitioning to electric and hybrid low-

# 7.5.3 Islands - None

- 7.6 Climate Change Direct link updating activities of the Climate Change Board and projects that will address climate change
- 7.7 Risk Not addressing impacts or causes of climate change can lead to increased cost or censure if targets are not met.
- 7.8 Customer Service None.

# Appendix A Climate Change Tracker

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
W1 Develop and Implement Waste Strategy	(L) Roads and Amenity Services, Community, commercial customers	Implementation of the Waste Strategy transitioning to Landfill ban compliant Residual Waste Recovery solutions by 2025.	External funding and support being sought from the Scottish Government	Please see Environment, Development & Infrastructure Reports links below: WASTE PPP UPDATE.pdf (argyll-bute.gov.uk) Waste Update EDI committee 1/6/2023 WASTE PPP UPDATE.pdf (argyll-bute.gov.uk) Waste Update - EDI committee 31/8/2023 WASTE UPDATE - EDI Nov 2023.pdf (argyll-bute.gov.uk) Waste Update - EDI committee 30/11/2023 WASTE UPDATE.pdf (argyll-bute.gov.uk) Waste Update - EDI committee 30/11/2023 WASTE UPDATE.pdf (argyll-bute.gov.uk) Waste Update - EDI committee 20/6/24
W2 Promote the Waste Hierarchy through community Education				

ACTION LEAD (L) PARTNER	FUNDING	COMMENTS
		currently purchase SJP products consider whether these products are essential or if there is a potential alternative that would meet the Service requirements, prior to orders being placed via PECOSor contacting the Procurement, Commercial and Contract Management Team (PCOMT) for a procurement process to be carried out.  Note and consider that the Sustainable Procurement Policy will be updated to reflect the Climate Change Board desire to limit SJP where possible wording

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
				have been updated to include a question regarding

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
				the procurement strategy for Argyll & Bute Council Net Zero Routemap.
E2 Delivery of Non-domestic Energy Efficiency Framework (NDEE) Projects	(L) Commercial Services	Evidence of delivery of projects	Project development work is funded by combinations of the Scottish Government and the procured provider (costs absorbed within the tender process). Funding for project implementation will come from Council approved capital allocations:  • Climate Change 20/21 - £500K  • Climate Change 21/22 - £600K  • Asset Sustainability £175K	Non Domestic Energy Efficiency Fund (NDEEF1) Energy Performance Contract was signed on 16 July 2021 (circa £1.25m investment with 10 year payback). The originally intended mini project list has been fully delivered. Following on from the P&R Committee report in May 2023:  May PR- Climate Change -NDEEF Progress update.pdf (argyll-bute.gov.uk), four final mini projects, which were added as contract variations, remained to be implemented. Tarbert School LED lighting was installed in the 2023 school summer recess; Kilmory Nursery solar pv was installed in September 2023; the intended low carbon heating solution and pv installation at Cardross PShave been intentionally delayed whilst we try to access a recently launched funding scheme:  Heat Decarbonisation Fund   Salix Finance. A bid was submitted by the 5/12/23 fund deadline (value £460K with the Council needing to contribute 20% of that). Bid outcomes will be communicated February 2024. Bid was unsuccessful and subsequently £150k of funding

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
				which was in the 2025/26 capital plan for a replacement heating system has been brought forward. Delivery of the high efficiency heating system will be Summer 2024.  In addition to the above, the procurement sourcing strategy for the next batch of sites, using designation NDEEP2, is under way. A spend to save investment of £2Million is being targeted. Awaiting formal Scottish Government launch of new NDEEP framework which is currently expected Oct 2024.
E3 Delivery of additional solar installations at Council assets	(L) Commercial Services	Evidence of delivery of projects	Consultancy work funding to be confirmed; expectation is that project implementation will be through combinations of prudential borrowing (subject to business case approvals) and/or external funding.	Best solar pv opportunities are being delivered within NDEEF (Ref item E2) and advantage is also being taken to install solar pv solutions within the asset sustainability capital programme where possible e.g. as a component of roof upgrades.  The potential for a large solar pv ground array at the Kilmory Estate is currently being limited due to electric grid constraints engagement with SSEN is ongoing to try to identify solutions.  The Council now has 27no solar pv installations in operation amounting to over 1.3MW capacity.  DRAX have offered installation of free solar pv at Dalmally PSas part of the community benefits flowing from the

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ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
				£9,000 and £21,000 are available to all eligible households for the application of insulation, helping to significantly reduce household consumption of energy on a "Fabric First" basis contributing towards both the Council's and Scottish Government's carbon reduction targets. In addition, a joint project on multi-tenure properties in conjunction with Argyll Community Housing Association in Bute and Tarbert insulated 80 properties in 2023/24.

E6 Complete LED streetlight

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
				upgrade works of overhead power lines to increase capacity to 275kv. The outline business case for Islay Energy System work through the Rural Growth Deal has been rejected by Government and amended proposals are being prepared. The Carbon Neutral Islands Capital Fund is expected to launch imminently with a value of £1m.
E8 Continue support for offshore development of renewables	(L) Economic Development	Evidence of delivery of projects (expected late 2020s/early 2030s)	Officer resource to support currently funded	Scottish Power Renewables are progressing the Machair Wind project, expected to seek consent during the mid -2020s. ESB are progressing Malin Wind, a floating wind proposal awarded through the INTOG leasing.
T1 Develop a Reet Replacement Strategy supportive of fuel efficient, electric and hybrid vehicles	(L) Roads and Infrastructure Services	Adoption of Strategy	Part for current financial year	The Fleet Replacement Strategy is complete but is subject to on-going changes as it is an operational document.
T2 Develop a vehicle routing system that will reduce road miles for operations	(L) Roads and Infrastructure Services	Evidence of delivery of projects		This is progressing. The project has slipped slightly due to staff availability and the data gathering and cleansing stage taking longer than we might have hoped. There was a report to EDI in March which sets out the revised position and project timeline.

T3 Develop an electric vehicle infrastructure strategy

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
			The development of the EV network	

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
T5 Develop new active travel plans for Council buildings and our towns	(L) Economic Development	Evidence of delivery of projects	No active travel funding is provided by Council. All costs, including internal staff costs (1.7FTE), have to be funded via successfully securing external challenge funds. As all active travel work is currently reliant on securing external funding, the projects which are progressed are those which can successfully secure external challenge funding.  External competitive challenge funds are time consuming to secure and projects have to be shaped to fit with requirements by the 1.7FTE Active Travel staff in the Strategic Transportation Team. However, at present these are the only available source(s) of funding made available to deliver active travel improvements.  2023/24 Progress  The 1.7FTE Active Travel Team secured £2.56M external challenge funding in 23/24 for development and delivery of 22 active travel projects across Argyll and Bute, requiring 18 separate competitive challenge funding applications to 5 separate funds.	The purpose of active travel is to make it as easy as possible and help to encourage individuals, businesses and visitors to choose to walk, wheel or cycle for local journeys. Increasing activity and reducing sedentary behaviour has significant health benefits and can increase accessibility to essential services, education, employment, retail and leisure. Walking and cycling are lower cost travel modes and, if they are a viable option, can help households reduce their reliance on private cars, particularly multiple car households.  No Council funding is currently expended on Active Travel work, with all costs, including internal staff costs (1.7FTE), having to be funded via successfully securing external challenge funds. As all active travel work is currently reliant on securing external funding, therefore the projects which are progressed are those which can successfully secure external challenge funding.  Argyll and Bute Active Travel  Strategy: Officers are working to develop an Argyll and Bute Active Travel Strategy and present it for Council by the end of 2024. The Active Travel Strategy would provide

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
			Projects funded via the active travel	

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS

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				would require changes to the

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
OFF1 Develop opportunities for environmental sustainability projects with ACT and partners	(L) Climate Change Board, ACT and partners	Delivery of projects	Limited funding via ACT for existing projects	SEN compensatory planting Phase 1 and 2 complete at Kilmory.  ACT has completed habitat surveys in the Glenan Wood area in Cowal for a biodiversity net gain project supported by SEN. This project would see 50 hectares of Rainforest cleared of invasive rhododendrons and form part of the landscape scale rainforest restoration project in West Cowal. The other Argyll landscape scale project ACT is involved with is Knapdale. These are 2 of the 7 focus rainforest projects in Scotland supported by the Alliance for  https://savingscotlandsrainforest.org.uk/projects  ACT has entered agreement with  Coalition to plant 100,000 native trees in West Cowal over the coming 5 years. Cowal sites are confirmed, This planting will offer opportunities for carbon credits for landowners.  ACT have secured funding from the National Lottery Heritage Fund to establish a Rainforest Squad, and a new Farm and Croft Woodland Advisor. We also have funding for a

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				Rainforest Restoration project, and Rainforest Volunteer Co-ordinator as partners in a £6M Woodland Trust lottery bid.
				ACT undertaking peatland restoration on Islay, Jura and extending into mainland Argyll,
				Action and Esmee Fairbairn Foundation. There are two posts, one on Islay, one shortly to be advertised in Mid Argyll/Kintyre. We will also be offering a 1-year trainee position in 2024.
				Within 2024 ACT will be recruiting 6 full time and one part time new environmental jobs in Argyll.

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
				and feedback on the Strategy structure outline directly to the project manager. The project manager has also been invited to
				Change Board. Next steps for the strategy are to issue a call for evidence while developing risk and opportunity assessments methodologies with support from Adaptation Scotland/SNIFFER, with a view to running assessments
				outcomes of Transport, Housing and Community Wellbeing.
				In addition, ACT has partnered with the Third Sector Interface and Time for Change to become the ABCAN (Argyll and Bute Climate Action Network) Hub. The ABCAN project, which is Scottish Government funded, has supported 39
				community groups with funding to undertake dimate action so far. The Team continues to engage with local communities on dimate action, dimate literacy, place planning with a dimate lens and working to develop the partnership network across Argyll & Bute and engaging
				with the strategic activity of the CPP  Climate project.

ACTION	LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
				woodland management services. This project has been supported by an award from the National Heritage Lottery Fund, and DRAX who has supported ACT to establish a Tree Nursery as part of the proposal.
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ACTION	LEAD (L) AND	TARGET or	FUNDING	COMMENTS
	PARTNERS	MILESTONE		Bute (press release/social media)  outdoor learning  Award  Out waste to landfill  Two separate two-week recycling campaigns  Tarbert travel consultation  Better Journeys travel apps  Did you know social media posts about bin calendars  SM post about council cutting carbon emissions  SM post about what your recycled products get made into  Rothesay pupils outdoor learning  To do our schools and nurseries have Eco-Schools

ACTION		LEAD (L) AND PARTNERS	TARGET or MILESTONE	FUNDING	COMMENTS
	h community and Climate Change on	(L) Community Planning and Development Team	Delivery of engagement map	In place until end of financial year	