

Aberdeen City Council Climate Change Report 2023/24

RECOMMENDED SECTION – WIDER INFLUENCE

Q.1a Historic Emissions

Indicating emission amounts and units of measurement (ktCO₂e) and years.

DESNZ* Dataset:Subset**														
Source	Sector	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Units
DESNZ Sectors	Total Emissions	1,376.45	1,437.03	1,365.28	1,220.49	1,174.36	1,065.70	1,013.23	999.34	1,007.30	849.66	953.08	913.10	ktCO₂e
	Industry & Commercial	547.00	576.04	535.25	469.03	431.33	358.73	327.88	329.98	318.08	263.25	283.38	278.94	ktCO ₂ e
	Domestic	493.29	530.07	510.22	433.26	423.72	380.97	364.65	356.53	348.64	328.10	348.43	294.47	ktCO ₂ e
	Transport total	336.17	330.91	319.82	318.20	319.31	326.00	320.69	312.83	340.58	258.30	321.27	339.70	ktCO ₂ e
	Per Capita	6.76	7.02	6.61	5.84	5.61	5.12	4.96	4.87	4.85	4.14	4.59	4.46	ktCO ₂ e

* UK Government, Department for Energy Security and Net Zero

**[UK Local Authority and Regional Carbon Dioxide Emissions National Statistics](#) (subset data – emissions within the scope of influence of local authorities)

Q.2a Detail wider influence targets

Sector	Description	Type of targets (units)	Baseline value	Start year	Target saving	Target / End year	Saving in latest year measured	Latest year measured	Comments
Waste - domestic	56% of household waste to be recycled through source	%				2025	45.41%	2021	Source - Waste data for Scotland Scottish Environment Protection Agency (SEPA)
	No more than 5% of household waste should be landfilled	%				2025	10.00%	2021	Source - Waste data for Scotland Scottish Environment Protection Agency (SEPA)

Active travel	Modal Shift - Private Vehicle to Active Travel (Cycling/Walking)	%	3.3% cycling (2018). 25% walking (2018) (City voice) to work and education	2018		2026	5.3% cycling in 2021 for work and education and 23.6% walking for work and education.	2021 New staff travel survey is planned for later in 2024.	38% of people walking; 5% of people cycling and wheeling as main mode of travel and a 5% reduction in car miles by 2026. (Local Outcome Improvement Plan)
Net Zero Aberdeen	Net Zero city by 2045			2005		2045	As snapshot in Q1a	As snapshot in Q1a	To date tracked using UK Department of Energy Security and Net Zero data sets
Net Zero Aberdeen – Mobility Strategy	20% reduction in car traffic	Million car km	1,244 million km (2019)	2022	248.8 million km (20%)	2030	TBC		Target 995 million car km
	Reduction in proportion of journeys by car to less than 50%	%	Car driver 53% (2019)	2022	>3%	2030	TBC		Target car driver <50%

Q. 2b Does the organisation have an overall mission statement, strategies, plans or policies outlining ambition to influence emissions beyond your corporate boundaries? If so, please detail:

Energy Transition/ Net Zero

- [A Net Zero Vision and Prospectus for Aberdeen](#) was approved at Urgent Business Committee in May 2020. Includes strategic objectives: leading the global transition; accelerating transition demand; resilient, productive and dynamic place; climate positive exemplar; putting people first.
- [Strategic Infrastructure Plan \(Energy Transition\)](#): was approved at Urgent Business Committee in May 2020. It includes Strategic Infrastructure Goals: clean energy supply for the city, UK and, particularly, globally; Aberdeen’s infrastructure is adaptable to changes in climate; sustainable mobility; building energy efficiency; sustainable waste management. It also includes priority area of Net Carbon Zero - Public Sector.
- The [Net Zero Aberdeen Routemap](#) and **six enabling strategies** were approved by Full Council February 2022. The routemap was co-created and sets a city-wide, place-based, pathway towards achieving net zero carbon emissions by 2045.
- The key themes covered by the six enabling strategies are; [Mobility](#); [Buildings and Heat](#); [Energy Supply](#), [Circular Economy](#), [Natural Environment](#) and [Empowerment](#).

Adaptation

- [Aberdeen Adapts: Climate Adaptation Framework](#) sets the foundations for long term local partnership working to build city resilient to the impacts of current and future climate change. The development of Aberdeen Adapts brought together a range of organisations and businesses to identify the specific challenges for the area and the new opportunities that come from a changing climate. Aberdeen Adapts was first approved in 2019 and refreshed in February 2022, to align and indicate synergies and interdependencies with Net Zero Aberdeen.

Q.3 Policies and Actions to Reduce Emissions

Please detail any of the specific policies and actions which are underway to achieve emissions reductions targets.

Sector	Start year for policy / action	Year of full implementation	Annual CO ₂ saving	Last year measured	Savings in latest year measured	Status	Metric/ indicators for monitoring progress	Delivery role	ISM used?	Details of behaviour change activity	Value of investment (£)	Ongoing costs (£)	Primary funding source	Comments
Transport	2012	On-going		23/24	-	Implementation	Number of ChargePoint installations organised by the Council	Direct	no	Installation/ managing network of electric vehicle charge points - Aberdeen. Total 173 charge sockets.	£68,000 2023/24 Further £1.8M to date since 2012	£75,000	Transport Scotland, Energy Saving Trust (Scotland)	Electric vehicle charging points Aberdeen City Council
Aberdeen Rapid Transit	2021	2030				Implementation				Development of dedicated mass transit system on four key corridors, linking Park & Ride sites. Complementary bus priorities and branding, marketing and ticketing initiatives to provide			Transport Scotland's Local Rail Development Fund	29,000 passengers/day (9million passengers/year). Transfer from car travel and Reduction by 72.5million km/year.

										additional mode choice and step change in public transport offering.			
Aberdeen Hydrogen Hub	2023					Planning to Implementation				Build a solar power facility connected to a green hydrogen production and refuelling facility. AHH will be developed in three phases. Homepage - Aberdeen (bpaberdeenhydrogenhub.com)			Hydrogen Hub, a Joint Venture with bp. Planning application approval in June 2023 for the erection of a Hydrogen production and vehicle refuelling facility, solar farm and underground solar grid connection for the Aberdeen Hydrogen Hub, a Joint Venture with bp.
Zero emission bus fleet	2021	2026				Implementation				Shift of all registered bus operations to wholly zero emission fleet			Transport Scotland's BEAR3 fund and ScotZEF 100% of bus fleet operating at zero carbon, Continued operation of 15 hydrogen buses, expansion of bus decarbonization efforts, and establishment of 2 new hydrogen refuelling stations.

Transport	Ongoing	Ongoing	-	2022	-	In Implementation	Number of schemes delivered	Indirect	no	Studies, designs, implementation of Active Travel Infrastructure	-	-	Sustrans, NESTRANS	Spend figures and delivery for 2023/24 year still to be completed
Transport	2022	ongoing		23/24		Grace period	Air pollution in the city centre, mainly nitrogen dioxide (NO2), caused by road traffic.	Direct	no	Aberdeen Low Emission Zone is designed to improve air quality by reducing carbon emissions. Only certain vehicles are allowed to enter based on their emissions standards			Aberdeen City Council	Enforcement started June 2024 https://www.aberdeencity.gov.uk/services/roads-transport-and-parking/low-emission-zone
Energy	2021	ongoing	-	-	-	In Implementation	-	Direct	no	Installing district heating network infrastructure and heat distribution facility to utilise waste heat generated from new Energy from Waste Plant (EfW). First phase of the energy from waste district heating network in Torry. Future phases are	-	-	Part funded by ACC and part funding by Scottish Government grant funding	The EfW facility was fully operational from December 2023.. District heating Phase 1 pipe installation is complete and work is progressing for Phase 2. Work is ongoing to get sign ups for heat connections to residential properties.

										planned to connect more homes, businesses and public buildings subject to funding availability				
Energy	2021	TBC	-	--		Implementation due to complete 2024	Reduced energy demand Low carbon energy (Council housing)	Direct	no	Project DORIC, a “whole house” retrofit demonstrator project, in 50 existing council properties to improve fabric and energy efficiency. Installing energy efficiency measures and PVs.	-	-	ACC & UK government grant funding	Department for Business Energy & Industrial Strategy (BEIS) grant funding – Social Housing Decarbonisation Fund Demonstrator
Energy	2002	2021	-	-	-	Complete	Aberdeen Heat and Power operates a CHP plant to reduce carbon emissions through heat and electricity supply.	Indirect	no	Stockethill, Hazlehead, Seaton, Beach and Tillydrone CHP Energy Centres. 3,631 flats/houses are now connected and 30 public buildings and sheltered housing complexes.	-	-	Aberdeen City Council	Aberdeen Heat and Power established in 2002 providing Combined Heat and Power.

Energy	2020	2023	-	-	-	Implementation	Low carbon energy tCO2e	Indirect	no	213 new Council homes (Kincorth) Gold Standard homes are to be connected to an onsite CHP energy centre that provides district heating (connected to communal heating within the site).	-	-	Aberdeen City Council	Connected with EFW heat network (post 2023)
Energy	2020	2023	-	-	-	Complete	Low carbon energy tCO2e	Indirect	no	92 new Council homes (Auchmill) Gold Standard Housing. Connected to existing CHP system	-	-	Aberdeen City Council	
Energy	2020		-	-	-	Implementation	Low carbon energy tCO2e -	Indirect	no	36 new Council homes (Kaimhill) Gold Standard housing. To be incorporating low/ zero carbon renewable technologies e.g. heat pumps and solar PV + battery.	-	-	Aberdeen City Council	Construction on going.

Energy	2021	2025	-	-	-	Implementation	Low carbon energy tCO2e	Indirect	no	536 new Gold standard housing are due to be completed at Cloverhill. To include renewable technologies.	-	-	Aberdeen City Council	Due to be completed. 36 homes in the development have been handed over. First of new Gold Standard council houses completed Aberdeen City Council
Local Heat Energy Strategy LHEES	2022	ongoing				Planning	Low carbon energy tCO2e	indirect	no	To establish local authority plans for systematically improving the energy efficiency of buildings and decarbonising heat				

Q.4 Partnership Working, Communications and Capacity Building

Key action type	Description	Organisation project role	Lead organisation (if not reporting organisation)	Private partners	Public partners	3 rd sector partners	Outputs	Comments
Partnership working	Net Zero and Aberdeen Board - working on city-wide climate mitigation pathway.	Lead	-	Range of private and public sector partners (23 organisations)		-	Partnership working to implement the Net Zero Aberdeen Routemap and six Enabling Strategies. Revised governance proposals to support implementation approved Council 22 February 2023.	Net Zero Aberdeen Routemap and six enabling strategies

Partnership working	HyTrEc2 is supporting the further use of Hydrogen Fuel Cell Electric Vehicles (FCEVs). Final conference was held May 2023	Lead	Complete-	Partners from the UK, Germany, The Netherlands, Sweden and Norway are working together to support the use of Hydrogen in the transport and energy sectors in the North Sea Region (NSR).		Deployment of hydrogen vehicles, green hydrogen production and storage, development of hydrogen refuelling stations and training. Legacy project funding dependent.	Interreg North Sea Region Project
Partnership working	HECTOR project – Hydrogen Waste Collection Vehicles in North West Europe	Lead	-	Partners: Aberdeen, Scotland; Groningen, Netherlands; Arnhem, Netherlands; Duisburg, Germany; Herten; Germany; Touraine Vallee de l'Indre France; Brussels, Belgium		Deliverables: hydrogen fuel cell waste truck, development of training and operational recommendations, business case for upscaling based on real life operational data.	The HECTOR project Final Conference in October 2023 which successfully brought the project to an end. (Interreg North West Europe Project)
Partnership working	Getabout Partnership. Sustainable travel brand promoting walking, cycling, use of public transport, lift share. This helps the Council realise the aims and objectives of its Local Transport Strategy and Active Travel Action Plan	Participant	Getabout Partnership	-	Aberdeen City Council, Aberdeenshire Council, University of Aberdeen, Robert Gordon University, North East College, James Hutton Institute, Energy Saving Trust, NESTRANS, NHS Grampian	-	Getabout brand Investment into partnership - around £285,000 by Council, using external funding from Paths for All, Cycling Walk Safer Routes and Air Quality Action Plan funding

Partnership working	Car Club in Aberdeen and associated promotion of this.	Participant	<u>Enterprise Car Club - Automated Daily & Hourly Car Rental across the UK</u>		Enterprise, Co-wheels, Getabout	CoMo	Enables residents access to a shared vehicle so they don't need to own one. Forms part of the Development Management planning process for new developments too as developers can pay contributions to the car club in lieu of parking in some circumstances.	Investment into partnership - Around £200,000 per year by Council.
Partnership working	EV chargepoint Network External funding allows the Council to provide a recharging network for electric vehicles to encourage their uptake.	Lead	-	Swarco, Siemens, eCharge Place Scotland, ABB	Transport Scotland, Energy Saving Trust (Scotland) Electric Vehicle Association Scotland (EVAS) European Union	-	EV chargepoint network . Supporting electric vehicles and encouraging a shift away from diesel and petrol cars.	Investment into partnership around £2M by the Council
Partnership working	Active Travel Infrastructure	Participant	Aberdeen City Council	-	NESTRANS, Sustrans, Transport Scotland	-	Active Travel infrastructure studies, designs and physical infrastructure to encourage more walking and cycling.	TBC-
Partnership working	Communications Awareness raising of sustainable transport	Lead		Range of private and public sector partners - NESTRANS, Sport Aberdeen, Aberdeenshire council, Home Energy Scotland, Paths for All. Enterprise car club, Stagecoach, First bus			Radio adverts, promotional items, events, walking maps, Walking Map app development, I-Bike Officer, Travel Tracker, cycle training, car club promotion, car club vehicle subsidy in regeneration areas, public transport awareness	Funded by 240,000 by Council, Paths for All, Smarter Choices, Smarter Places (SCSP) funding of £210k and Air Quality funding for £30k using CWSR as match fund

Partnership working	Aberdeen Renewable Energy Group (AREG). AREG works closely in partnership with the Council to identify and help facilitate the delivery of projects that could provide additional renewable energy infrastructure.	Lead	–	Membership directory: https://www.aberdeenrenewables.com/members/full-member-directory/#!directory			Aberdeen Renewable Energy Group working to ensure businesses in Aberdeen City and Shire capitalise on opportunities in renewable energy.	https://www.aberdeenrenewables.com/
Partnership working	Dee Catchment Partnership. Effective management and conservation of the river Dee and its surrounding environment, including natural flood management.	Supporting	Dee Catchment Partnership	Aberdeen Harbour Board, National Farmers Union Scotland	Aberdeenshire Council, Cairngorms National Park Authority, Scottish Forestry James Hutton Institute, Scotland Rural College (SRUC), Scottish Environment Protection Agency, Scottish Government, Scottish Natural Heritage, Scottish Water	Royal Society for the Protection of Birds (RSPB), Dee District Salmon Fishery Board	Dee Catchment Management Plan and Partnership. Natural Flood Management.	https://www.deepartnership.org/about-us/our-partners/
Partnership working	North East Scotland Biodiversity Partnership (NESBiP).	Participant	Coordinator, hosted by James	2 independent individual members,	NatureScot, Scottish Forestry	RSPB, Scottish Wildlife Trust, East Grampian Coastal	NESBiP's Strategic Delivery Plan and actions complement the Council's environmental and community objectives	Aberdeen City Council and North East Scotland

	Tackling threats to biodiversity and facilitating conservation action for local biodiversity.		Hutton Institute	James Hutton Institute		Partnership, NFU Scotland	and helps to support land-use planning duties.	Biodiversity Partnership (nesbiodiversity.org.uk)
Partnership working	Sustainable City Group – Community Planning Aberdeen	Participant			Aberdeen City Council, Scottish Fire and Rescue Service, NESTRANS, SEPA, NHS Grampian, NatureScot	Active Aberdeen Partnership, ACVO, Cfine	Lead and be responsible for actions which support delivery relevant outcomes of the Local Outcome Improvement Plan (LOIP).	https://communityplanningaberdeen.org.uk/sustainable-city-2/
Partnership working	North East Scotland Area Advisory Group. Local River Basin Management and Local Flood Risk Management Plan	Participant	SEPA	https://www.sepa.org.uk/media/75414/doc-7-north-east-area-advisory-group-membership-list.pdf			Working together to ensure water bodies achieve a certain ecological status. Working together to prevent and alleviate flooding.	-
Partnership working	Ness Energy Project. Energy from waste facility	Participant	-	-	Aberdeenshire and Moray Councils	-	Treatment and recovery of residual waste to produce heat and electricity by the three authorities in the north east of Scotland.	http://nessenergy.co.uk/
Partnership working	Sustainable Food Places Partnership Aberdeen	Participant	-	Enscape Ltd	Council Aberdeen Health & Social Care Partnership NHS Grampian's Public Health Directorate Robert Gordon University	Community Food Initiatives North East (CFINE) The Allotment Market Stall Tillydrone Community Flat	Seeks to develop high-level co-ordination and influence over food policies and practises in Aberdeen.	https://www.sustainablefoodplaces.org/Portals/4/Documents/Sustainable%20Food%20Partnership%20Aberdeen%20MoU.pdf
Capacity Building	Hydrogen Economy for Aberdeen.	Lead	-	First Group, Stagecoach	Scottish Government,	-	To develop the supply chain for a hydrogen economy in Aberdeen.	http://www.h2aberdeen.com/h

					NESTRANS, European Regional Development Fund, Office of Low Emission Vehicles.			ome/H2-Aberdeen-hydrogen-economy.aspx
Partnership working	The Hydrogen Hub	Joint Venture		bp	ACC		The Aberdeen Hydrogen Hub will be a scalable green hydrogen production, storage and distribution facility in Aberdeen powered by renewable energy. Aberdeen City Council and bp have formed a joint venture – under the name of bp Aberdeen Hydrogen Energy Ltd – to deliver the Aberdeen Hydrogen Hub.	Homepage - Aberdeen (bpaberdeenhydrogenhub.com)
Partnership working	Aberdeen Fair and Sustainable Trade Group	Partner	Aberdeen Fairtrade Steering Group	North Link Ferries, Co-Op	University of Aberdeen, Aberdeen University Student Association, Aberdeenshire Council	Aberdeen For A Fairer World, Cults Kirk Centre, Granite City Good Food	Awareness raising of Fairtrade products, participation in events (e.g. Fairtrade Fortnight). Maintaining certification of Aberdeen as a Fairtrade city. Fairtrade Pledge via ACC website.	Fairtrade in Aberdeen Aberdeen City Council
Partnership working	Green Champions Network	Lead	-	James Hutton Institute, University of Aberdeen, NHS, Police Scotland, Aberdeen Health and Social Care Partnership.			Phase 2 of the project focuses on expanding champion networks across the city through partnership organisations to share, network, and encourage carbon reduction and sustainable actions.	
Communications	Net Zero Aberdeen website	Lead	-	-	-	-	Net Zero Aberdeen website launched March 2022. Microsite hosted on ACC website.	Net Zero Aberdeen Aberdeen City Council
Communications	Aberdeen Climate and Nature Pledge	Lead					The Aberdeen Climate and Nature Pledge is a commitment by the organisations and people of the City of Aberdeen to act	Aberdeen Climate and Nature Pledge

							within their own organisations and lives to contribute towards the Net Zero Aberdeen Route map and Aberdeen Adapts climate adaptation framework.	Aberdeen City Council
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Q.5 Please detail key actions relating to Food and Drink, Biodiversity, Water, Procurement and Resource Use in the table below.

Key action type	Key action description	Organisation's project role	Impacts	Comments
Food and Drink	Granite City Growing	Lead	Implementation of a food growing strategy for the city encompassing allotments, communities and urban farming. Several projects aimed at developing new community growing spaces in Aberdeen as part of the delivery of a Food Growing Strategy.	Ongoing initiative https://www.aberdeencity.gov.uk/services/environment/food-growing-strategy
Biodiversity	Hazlehead Grove Nursery	Lead	Providing an opportunity to develop life skills and learning opportunities for people, through various activities including plant cultivation and other horticultural related activities for the benefit of the city's parks and open spaces and an outdoor educational space.	Ongoing initiative
Biodiversity	North East Scotland Biodiversity Records Centre (NESBReC)	Participant	NESBReC collect, store, manage and disseminate biological data for various organisations including local authorities.	http://www.nesbrec.org.uk/
Biodiversity	Managing non-native invasive species	Lead	Countryside Ranger Service work to manage invasive non-native plant species across the City.	
Food and Drink	Sustainable Food Places	Participant	The initiative promotes a sustainable approach to food and could see more local food growing projects, organic food, less food waste, less food transportation and stronger links between consumers and local producers. A reduced footprint will reduce city-wide carbon emissions.	http://sustainablefoodcities.org/findacity/cityinformation/userid/462
Food and Drink	Aberdeen Fairtrade City	Participant	The Council continued support for Fairtrade Buying more Fairtrade supports an income stream and engagement with communities in developing countries. This gives them more opportunity to adapt to a changing climate	Fairtrade in Aberdeen Aberdeen City Council

			and to pursue low carbon solutions relevant to their needs. This is an on-going initiative.	
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Q6. Please use the text box below to detail further climate change related activity that is not noted elsewhere within this reporting template

- Project Doric is a “whole house” retrofit demonstrator project, for 50 existing council properties to improve fabric and energy efficiency. Installing energy efficiency measures, (window, door and heating replacements, property insulation), air source heat pumps, solar PVs and battery. The project is enabling learning about the PAS 2035 retrofit standard, timescales, cost of retrofit to inform the development of a future retrofit programme. It is using smart modelling software and infrared survey techniques to better target resources, decisions, monitoring and analysis of energy use.
- A annual summary of collaborative activity under Net Zero Aberdeen and Aberdeen Adapts in 2023/24 was approved at Net Zero, Environment and Transport Committee in March 2024. [Aberdeen Adapts Appendix 1.pdf \(aberdeencity.gov.uk\)](#).
- Net Zero Aberdeen achieved 2 award wins in 2023 including; Royal Town Planning Institute (RTPI) Scotland "Best Plan" and RTPI UK "Excellence in Plan Making Practice".
- Up to 2023/24, a total of 3,631 domestic connections and 30 public buildings have been connected to the district heating network. This is a total which includes council and non-council properties
- Installed 15 sedum roofed shelters across the city with funding from NESTRANS, bringing the total to 30. Compared to traditional bus shelters, these act as ‘stepping stones for nature’ and are self-powered by solar panels.