



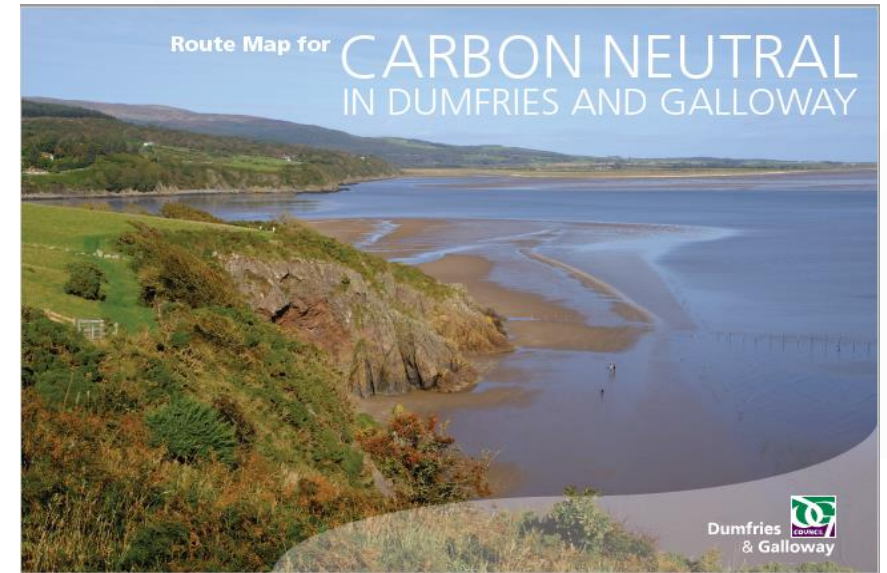
Net Zero Carbon Region by 2025

ASPE NI – JUNE 2023



Reaching Net Zero Dumfries and Galloway Council

- Ambitious plans for net zero
- Plans and practicalities
- Spreading the message



Our Region

Dumfries and Galloway is shaped and defined by the people who call it home. They are its lifeblood and reflect the history, heritage and culture of the region.

Our population is dispersed across a rural area with a coastline that extends from Loch Ryan and the North Channel round to the Solway Firth and the Cumbrian coast in England.



There are around **70,000** households



The Dumfries and Galloway Council area is 6,426km², and is the third largest Council area in Scotland

Our largest settlements are:



Dumfries
(48,000)



Stranraer
(13,000)



Annan
(9,080)

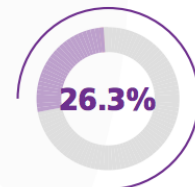
The population numbers are forecast to decline as shown:



2021:
148,790

2028:
144,575

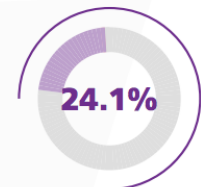
Change 2021-28
-2.83%



26.3%
of the population are 65 and over



The average age of the population is 46 years old (UK 40, Scotland 42)



24.1%
of the population are 24 and under

Ambitious plans for Net Zero Carbon Region by 2025

Climate Emergency Declaration – 27 June 2019

Most Challenging target in UK

- Supporting 12-point Plan was approved
- Climate Emergency Cross Party Working Group
- Elected Member representatives for each Political Party
- Climate Emergency Officer Working Group
- Internal decision makers within the local authority
- Climate Emergency Project Officer



Plans and Practicalities

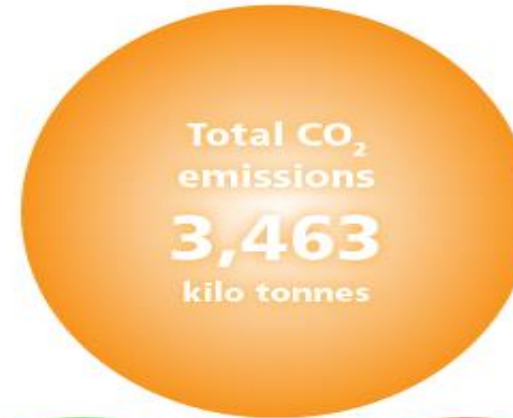
The Groundwork



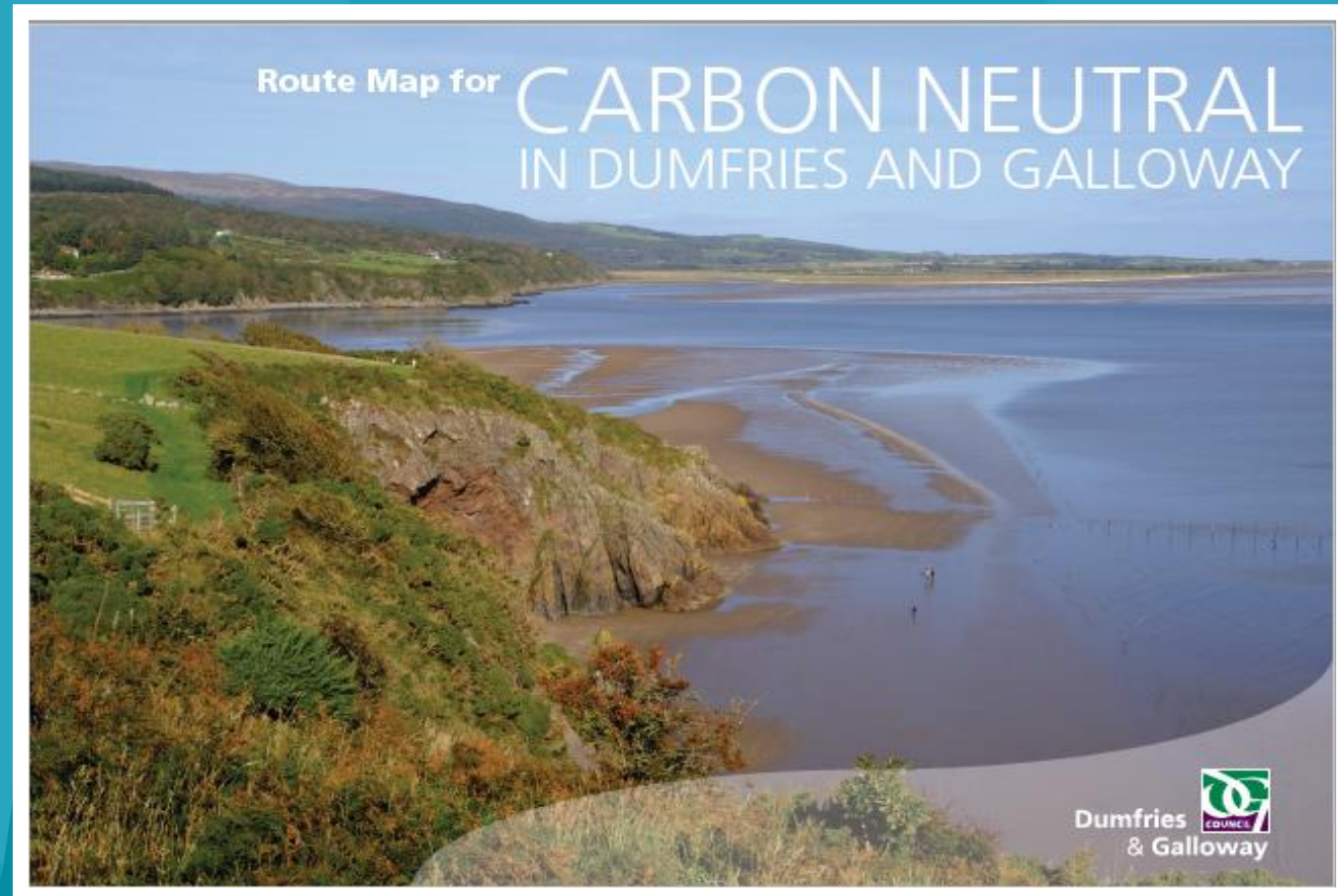
Baseline Emissions Inventory

Baseline emissions for Dumfries and Galloway Council and the wider council area and Galloway council area and the council's own estate are represented below. The estimated baseline emissions for 2018 for Dumfries.

CO ₂ Emissions	
Residential	297
Industrial and Commercial	308
Dumfries and Galloway Council	24
Waste	22
Transport	517
Land use (including agriculture)	2,286
Total Emissions	3,463
CO ₂ Sinks	
Forest	-1,437
Grassland	-283
Total sinks	-1,719
Net CO₂ emissions	1,734



Net Zero Region by 2025



Carbon Reductions

Strategic Route
Map to Net
Zero

Carbon Baseline
for the region

Building a sustainable
Circular Economy

Carbon reductions
assumptions

Supporting Carbon
Reductions projects and
opportunities

Low Carbon Economy



5th Council Priority

Urgently respond to climate change and transition to a carbon neutral region.

Commitments:

- Encourage understanding of how the way we live and work in the region impacts on climate change
- Empower our communities and stakeholders to make significant changes to reduce emissions and adapt to a low carbon approach
- Lead on the transition to cleaner and greener technologies
- Promote and protect our region's natural environment
- Contribute to a greener economy, maximising the region's green energy potential



Spreading the Message

Citizens Panel

- 12-month place-based programme
- Currently 6 communities of various sizes
- Approx 15 citizens from each community
- Themes emerging are:
 - collaboration
 - retaining young people
 - community wealth & resilience
 - land management and use
 - green transport
- Expert witness panels formed
- Discuss groups relevant to how these themes relate to the Route Map to Net Zero



Spreading the Message

Carbon Literacy Training

- ❑ 'Carbon Literate Organisation'
 - ✓ First non-metropolitan Scottish Local Authority
- ❑ Key delivery Officers and Elected Members were trained
- ❑ Working with APSE to roll this out across the organisation
 - ✓ Part of the Elected Members induction training
 - ✓ Senior Management specific training
 - ✓ Development of in-house training



Collaboration to Net Zero



Collaboration to Net Zero – Regional Stakeholder Network

Partnerships (sample list)

- Industry
- Businesses
- Farming/Agriculture
- South of Scotland Enterprise
- Communities
- Schools
- Government Organisations
- NHS
- Scottish Fire & Rescue
- Police Scotland



Collaboration to Net Zero – D&G Working with Northern Ireland

Dumfries and Galloway is Scotland's connection to Northern Ireland from Cairnryan to Belfast and Larne.

Established the North Channel Partnership with Mid and East Antrim Borough Council.

Joint working and sharing best practice to develop and improve Ports and Infrastructure, Digital, Food & Drink, Tourism, Collaborative Events, and Energy.

Working together on Green and Blue energy generation opportunities and in partnership with the Ferry operators to establish a cleaner fuel option.

Supporting the establishment of businesses to encourage local trade between Scotland and Northern Ireland reducing the carbon footprint of food and product distribution.

Joint lobbying on transport infrastructure improvements, such as a smart A75 supporting the transition of vehicles to Electric and Hydrogen.



We are all in this together



More People
Working Together



Confident to make
Change



Significant impact on our Regions
Carbon Footprint



Net Zero Carbon Region by 2025

Our Planet, Our Children's Planet

Thank You

Sarah Farrell

Climate Emergency Project Officer

