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Mr M Durkan MLA Northern Ireland Assembly Parliament Buildings Stormont

19 October 2021 AQT 1595/17-22

Further to your Topical Question during Question Time on Monday 27 September, concerning the Climate Change Committee's presentation to the Executive (AQT 1595/17-22), we attach a copy of the presentation which was provided by the Committee to the Executive and which formed the basis for its subsequent discussion.

We are copying this letter to the Assembly Library so that the presentation can be accessed by members.

Should you have any further queries over this, please address these to our departmental officials at ps.ministers@executiveoffice-ni.gov.uk

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MICHELLE O'NEILL MLA
DEPUTY FIRST MINISTER

Dago a Seel

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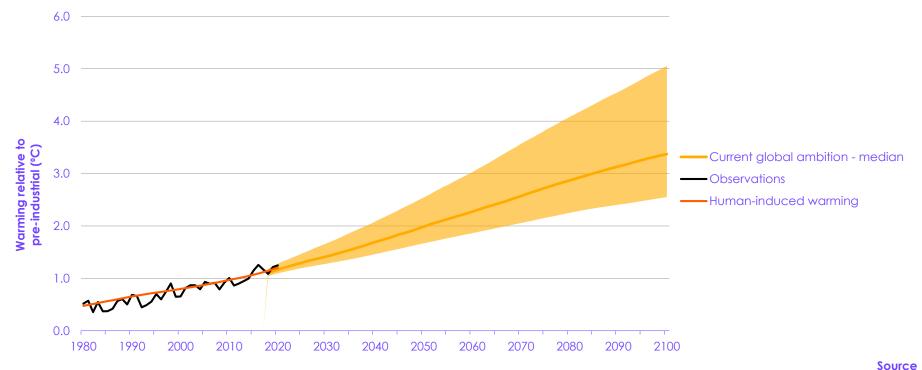
Northern Ireland's contribution to Net Zero

Advice on setting an appropriate target for Northern Ireland



Our changing climate

Projected changes in global mean annual surface temperature compared to 1850-1900

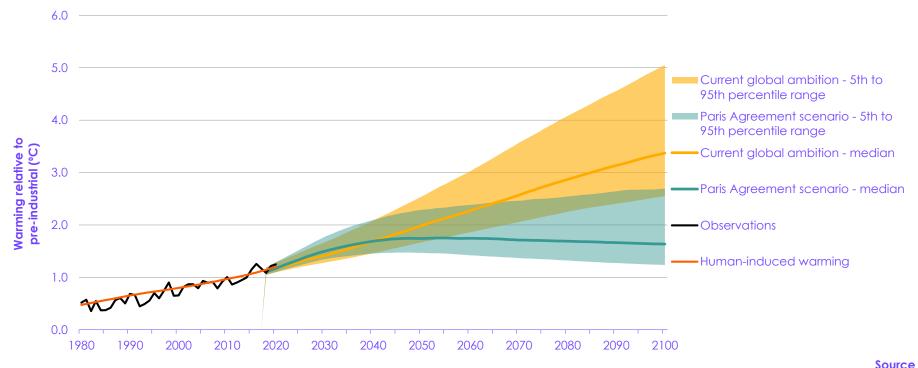






Our changing climate

Projected changes in global mean annual surface temperature compared to 1850-1900







Determining the UK's contribution



Our approach

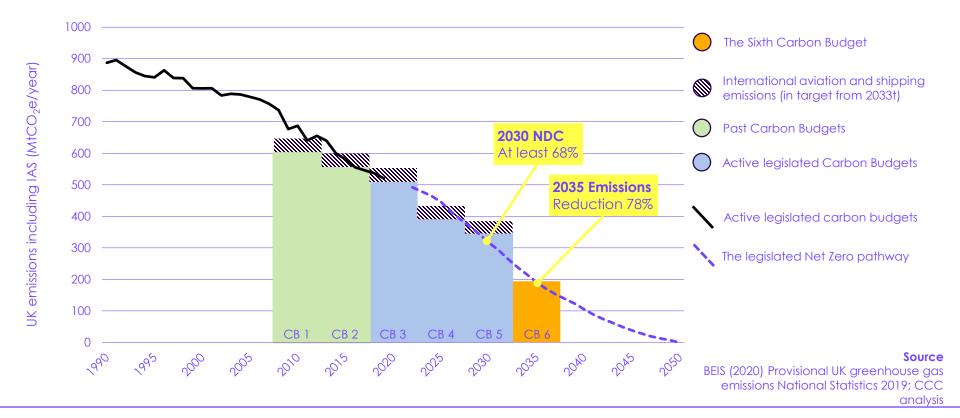
Carbon budgeting under the Climate Change Act

Sectors: scenarios, costs, required policy Waste & Buildings Agriculture Climate science Industry Transport Power F-gases UK 2050 Target UK Carbon Budgets (every five years) International Economic Security Competi Air quality Fiscal Fuel circumstances impacts impacts of supply poverty -tiveness & health **Impacts**



The UK's emissions path to Net Zero 2050

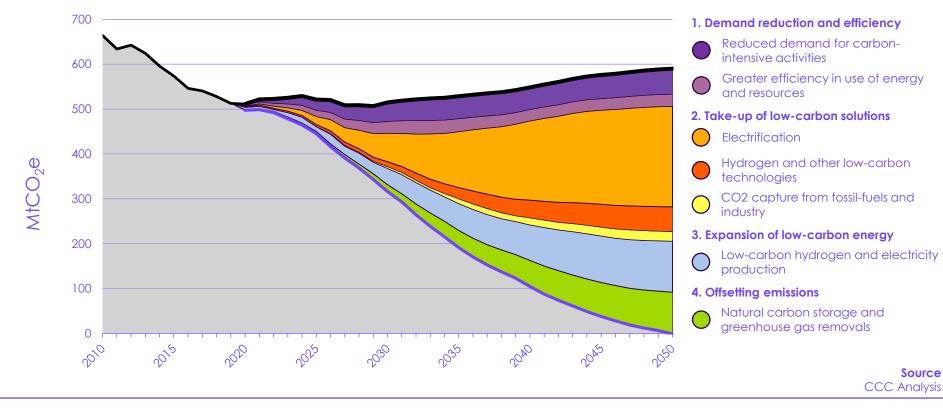
The UK Sixth Carbon Budget and 2030 NDC





Emissions abatement on the legislated path

Meeting Net Zero UK requires actions across four key areas

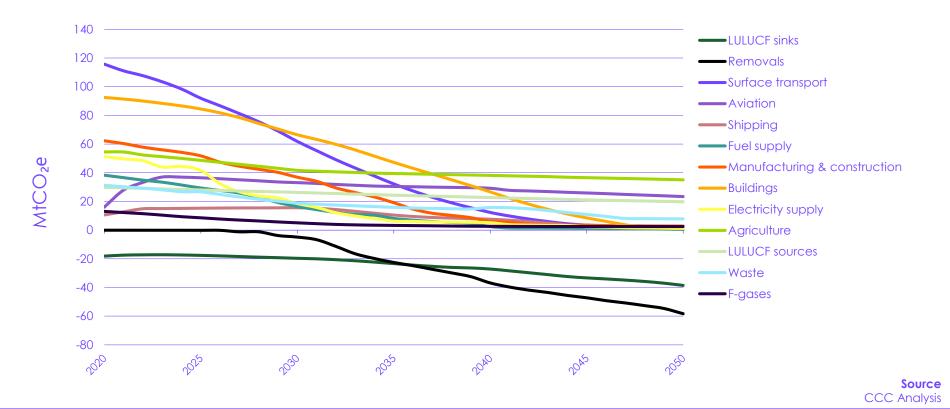


Source



Emissions abatement on the recommended path

Sectoral contributions to meeting Net Zero



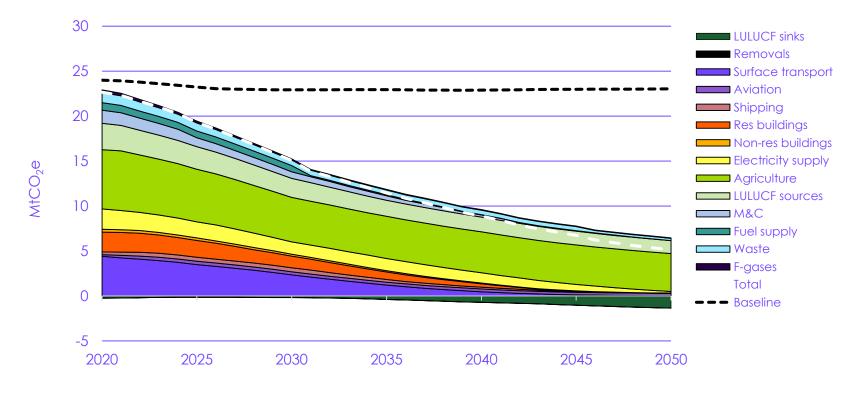


Determining Northern Ireland's contribution



Pathway for Northern Ireland emissions

Change in northern Ireland emissions - agricultural methane dominates emissions by 2050







Targets in a Northern Ireland Climate Change Act Options by target methodology

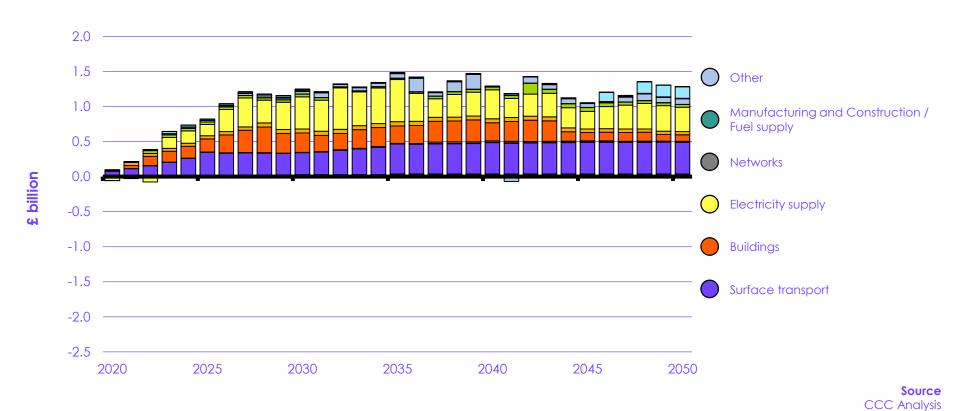
ossible targets in a Northern Ireland Climate Change Act			
	All greenhouse gases	CO ₂ only	Excluding agricultural, land and waste methane
2030	48% reduction	56% reduction	52% reduction
			(53% reduction)
6CB period	60% reduction	70% reduction	67% reduction
(2033-2037)	00/01000011011		(67% reduction)
2040	69% reduction	83% reduction	79% reduction
			(78% reduction)
2050	82% reduction	Net Zero	96% reduction
			(93% reduction)

Source CCC Analysis



Green growth

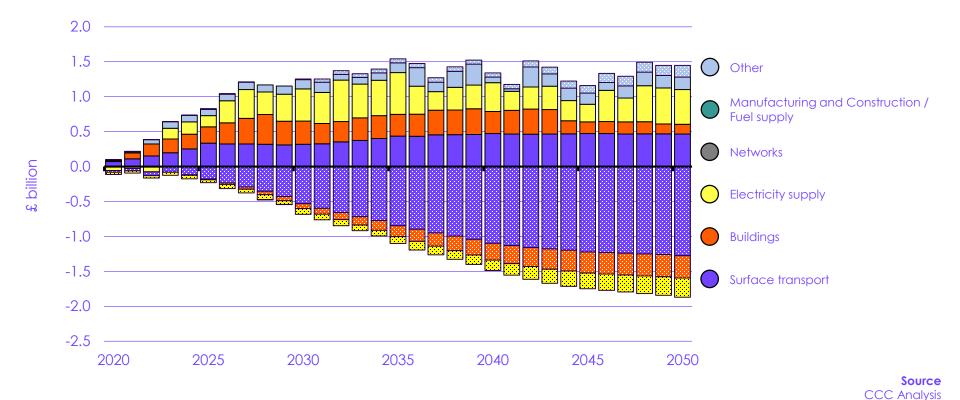
Major investment programme in Northern Ireland





Green growth

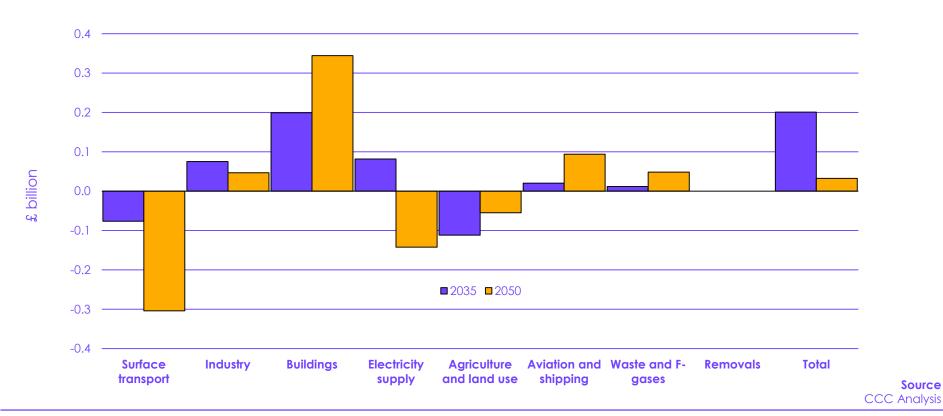
Major investment programme in Northern Ireland, delivering offsetting operating cost savings





Economic impact

Sectoral resource costs of decarbonisation, in 2035 and 2050



Source

