

BELFAST CARBON ROADMAP PATHWAY TO NET-ZERO*



BACKGROUND



1.5°C

The level of global temperature rise at which we risk triggering dangerous climate change

2030

The point at which - at current rates - the world will have locked into more than 1.5°C of warming

GLOBAL TO LOCAL



14m

tonnes
Belfast's share of the global carbon budget (to keep to 1.5°C of warming)



Belfast is emitting

1.5m

tonnes
of carbon a year. At this rate, we will have used up our budget by

2030

BASELINES AND TARGETS

42%

The decline in Belfast's carbon emissions since 2000

This needs to be increased to

66%

 by 2025

80%

 by 2030

100%

 by 2050


Belfast has committed to work towards being

CARBON NEUTRAL

by

2050

That leaves a **big gap** but we can close it by the following options



COST-EFFECTIVE OPTIONS

Cost-effective options such as better housing and transport could close the 2030 gap by

35%



These would reduce Belfast's energy bill by

£263m

per year, and would create nearly

4,779

years of extra employment



MORE AMBITIOUS OPTIONS

More ambitious but expensive options could

close the 2030 gap by

51%

These would have **benefits for** health, equality, travel and the environment



Doing all of the above leaves a

41%

shortfall to reach by

2050



REACHING OUR TARGET

Belfast can close the gap by

100% by 2033

through a range of **INNOVATIVE INTERVENTIONS**



These include

decarbonising heating and planting trees - changing some behaviours and consumption habits would take us further still



Net Zero



*Net-zero, like "carbon neutral", refers to achieving an overall balance between emissions produced and emissions taken out of the atmosphere, with any residual emissions removed through carbon sinks.