

EDINBURGH 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



22m

tonnes

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



Edinburgh is emitting

2.5m

tonnes

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

2031

BASELINES AND TARGETS

42%

The decline in Edinburgh's carbon emissions since 2000

This needs to be increased to

67%

 by 2025

80%

 by 2030

100%

 by 2050


Edinburgh has committed to work towards being

CARBON NEUTRAL

by

2030

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

51%



These would reduce Edinburgh's energy bill by

£553m

per year, and would create nearly

11,790

years of extra employment



MORE AMBITIOUS OPTIONS

More ambitious but expensive options could

close the 2030 gap by

65%

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



Doing all of the above leaves a

35%

shortfall to reach by

2030



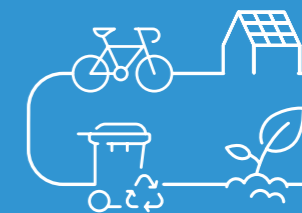
REACHING OUR TARGET

Edinburgh can close the gap by

100% by 2030

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 by 2030



*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.