

# LEEDS 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



### 31m

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



Leeds is emitting

### 4m

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

### 2029

## BASELINES AND TARGETS

### 40%

The decline in Leeds' carbon emissions since 2000

This needs to be increased to

### 70%

 by 2025

### 85%

 by 2030

### 100%

 by 2050


Leeds 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

### 41%



These would reduce Leeds' energy bill by

### £651m

per year, and would create nearly

### 15,000

years of extra employment



## MORE AMBITIOUS OPTIONS

More ambitious but expensive options could

close the 2030 gap by

### 60%

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



Doing all the Leeds Climate Change Citizens' Jury's recommendations would close the 2030 gap by another

### 10%



## REACHING OUR TARGET

Leeds 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.