Ed Cox
Executive Director of Strategy, Integration and Net Zero

West Midlands
Combined Authority

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10-minute table discussions

What do you love about the West Midlands?

What would you improve about the West Midlands?

Do you have any questions about the West Midlands?

Please feedback on two things your table loves and two things your table hates and any questions

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Environment & Energy Programme
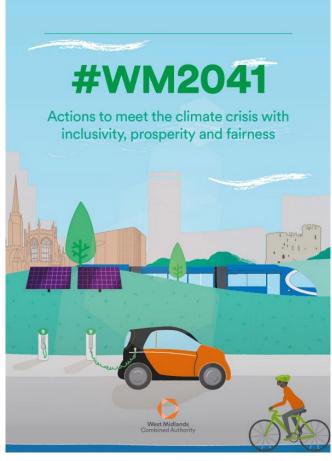
Jackie Homan
Head of Environment

Environment & Energy Background

- The WMCA declared a climate emergency in June 2019, leading to the development of the regional target of achieving Net Zero as a region by 2041.

- Our work focuses on;
  - Climate change
  - Energy systems
  - Natural environment
  - Circular economy
  - Air Quality
  - Climate Adaptation
  - Home energy efficiency

- The programme includes cross-cutting areas of the behaviour change and the green economy.

- Transport is led by Transport for West Midlands.

#WM2041

Actions to meet the climate crisis with inclusivity, prosperity and fairness

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Transport for West Midlands

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Improving our homes

- PHOTO

- We need to retrofit ??? homes across the West Midlands by 2041

- This will cost ???

- It will create jobs and lift people out of fuel poverty

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What we want to have achieved by 2041

Figure 52 – Proposed timeline of goals

2041

Category		Sub-category	Goal		
Domestic		Energy efficiency	Energy efficiency in 100% dwellings (1.1m homes)		
		Heating retrofit	100% low-carbon heating system retrofit in dwellings (1.1m homes)		
		Solar PV	830 MWp of rooftop solar		
Commercial		Energy efficiency	Energy efficiency in 73,400 commercial buildings		
		Heating retrofit	Low-carbon heating system retrofit in 100% buildings (73,400 commercial buildings)		
		Solar PV	705 MWp of rooftop solar		
Industrial		Energy efficiency and heating retrofit	16.7% deployment of H_2 and 40% of CCS for high temp process 10% energy efficiency 100% electrification for low temp processes		
		Solar PV	96 MWp of PV		
Transport		Avoid	35% of people tele-commuting 50% of time, 25% less personal and retail trips		
		Shift	Bike increase to 10% of trips		Private car journey reduced to 35%, Public transport up to 27%
		Improve	100% electric taxis, buses, 50% of HGVs	100% of HGVs	
Land Use		Renewables	59 MW Wind and 448 MWp of solar PV		
		Natural capital	Tree coverage in 13% of WMCA area, and 20% of peri-urban area (a total of 19 million trees)		
		Systems Management	Upgrade and manage coordination across the energy and associated systems (transport, digital).		

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