

Wolverhampton 2041 Net Zero Roadmap

Please note, this roadmap has been produced using outputs from the WMCA 2041 Net Zero 5 year plan and SCATTER Cities Pathways tool. The measures are not formally agreed as part of the City Strategy but are indicative of the level of intervention required in order for the City to achieve it's net zero targets. A formal strategy with action plan and interim objectives will be developed this year.

2021





2025

2030

2035

2041



	Transport	Avoid	25% less personal and retail trips by 2030		35% of people tele-commuting 50% of time	
		Shift	Bike up 10% of trips		mode share of cars vans and motorbikes down from 78% to 38%, public transport up to 27% by 2041	
		Improve	Cars, buses, vans 100% electric by 2035			
	Domestic buildings	Energy efficiency	100% new builds passive house, 80% of stock deep retrofit, 100% cooking electric & energy demand 27% of current levels			
		Heating	Low carbon heating retrofit in 100% of households by 2041			
	Commercial Buildings	Energy efficiency	Energy efficiency measures in 100% of buildings, new builds built to highest energy efficiency ratings		100% of commercial cooking electrified, and commercial energy demand down by 25%	
		Heating	Low carbon heating retrofit in 100% of buildings			
	Industrial processes	Energy efficiency	10% energy efficiency, electricity consumption is 50% of total energy consumption by 2031		Electricity consumption is 65% of total by 2041,	
		Heating	17% deployment of hydrogen gas and 40% Carbon Capture and Storage for high temp processes			
	Renewable energy	Rooftop Solar	Increase rooftop Solar capacity to 2400 kWh/year per household equivalent by 2030		5200 kWh per household equivalent by 2041	
	Waste and Consumption	Reduction	Total Volume of Waste is 61% of 2017 levels			
		Recycling	65% recycling, 10% landfill, 25% incineration by 2030		Recycling increasing to 85% by 2050	
	Natural Capital & Land use	Tree coverage	Tree planting to increase tree coverage by 30% by 2026	And by a further 20% over the next 15 years		
		Large scale Renewables	200kWh large and 2.8 MWh of small scale wind per hectare	Up to 400kWh of large solar and 3.3 MWh of small Scale wind by 2041		