

WM Sustainability Roadmap to 2030

Our work with local authorities



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- **Sustainability adviser to cross-sector leaders of the West Midlands**
- **Established 2002**
- **Independent**
- **Not-for-profit**

Our 2030 Vision:

The West Midlands is leading in contributing to the national target of net zero greenhouse gas emissions by 2050 whilst addressing health inequality and driving inclusive growth



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**Resource
Efficiency**



**Clean and Active
Travel**



**Clean Air and
Water**



**Natural
Environment**



**Sustainable
Growth**



**Social Equity and
Health**



**Sustainable Energy
Use**



**Adapting to
Climate Change**





West Midlands
**Public Sector
Sustainability & Energy**
Network



West Midlands
NHS Sustainability
Network



West Midlands
Green Communities
Network



West Midlands
**Sustainability
& Public Health**
Network



West Midlands
Green Business Clubs
Network



West Midlands
Climate Resilience
Network



**INNOVATION
ALLIANCE**
for the West Midlands





West Midlands
Combined Authority

- Sustainability Delivery Partner for 3 yrs
- Independent advice
- Benchmarking of [strategies](#) and [metrics](#) against other CA's
- [Sustainable Business Support Hub](#)
- Development and engagement on Net Zero target
- Net Zero cross-sector event



- [#WM2041](#) details 74 actions including digital focus:
 - Learning from 5G pilots, deploy smart tech in a way that enables low carbon living.
 - Work with 5G team to support infrastructure for digital connectivity to reduce the need to travel and improve remote working.
- Open for consultation until 12 March 2020.



West Midlands
Combined Authority



- Local Industrial Strategy includes:
 - Major new market opportunity in data driven health and life sciences
 - UK's first Future Mobility Zone between Birmingham, Solihull and Coventry.
 - Creating new markets in CAV and EV.
 - Create new integrated control centre to deliver smart streets and reduce congestion.
 - Work with construction sector to accelerate use of data and innovation.
- Action plan for each sector strength



**West Midlands
Combined Authority**

Major new market opportunities

Future of mobility

Data driven health and life sciences

Creative content, techniques and technologies

Modern services

A distinctive economy - Creative and innovative, with global supply chain strengths a diverse and young population, well connected, trading and entrepreneurial. Unique opportunities ahead in the Commonwealth Games and City of Culture.

Sector strengths

Low carbon technology
Energy and clean growth

Aerospace
Precision component manufacturing

Logistics / transport technology
Future mobility

Metals & materials
Innovative supply chains

Life sciences
Devices
Diagnostics, real life testing

Professional skills
Skills and a full services sector

Rail
Digital rail
High Speed 2

Construction
Offsite modern manufacturing
Land remediation

Creative
Games, Next Gen content, process and product design and designer maker

Food & drink
Machinery, food & fluid control tech, Photonics R&D

Automotive
Battery development
Drive train
CAV

Tourism
Shakespeare's England
Commonwealth Games
Business
City of Culture

Actions to unblock barriers to productivity and growth, integrated in places and communities to drive inclusion

Foundations of productivity - drivers and enablers of growth

People, skills & employment

Infrastructure & environment

Ideas / Innovation

Business environment

Place

URBAN CHALLENGE



CHALLENGE #1 - WELLBEING



CHALLENGE #2 - HOUSING



CHALLENGE #3 - YOUTH UNEMPLOYMENT



CHALLENGE #4 - DIGITAL CITIZENSHIP



West Midlands
Combined Authority

THE PRIZE

£ 20000

(for each challenge winner)

(cash + AWS credits) and a three-month pilot with West Midlands

and support from

The West Midlands Combined Authority and PUBLIC



Worcestershire
Local Enterprise Partnership

- Stakeholder consultation for LEP Energy Strategy
 - LEP intends to lead the UK's digital transition, transforming the county into 'The Smartshire'.
 - Digital connectivity crucial to the future of Worcestershire
 - Recognition of areas strengths in AI and the data economy
 - 5G pilot testbed
 - Smart and clean infrastructure
 - Advanced manufacturing and smart factories



CITY OF WOLVERHAMPTON COUNCIL

OUR COMMITMENTS



To ensure future generations of Wulfrunians *live longer, healthier lives* we will take immediate action, altering the way we generate energy, care for the environment and deliver services.

Raising environmental awareness

- Deliver public information campaign about risks of Climate Change and solutions to mitigate its affects
- Encourage citizens to make Climate Change pledges
- Deliver a Citizens Assembly on Climate Change

Reducing the council's carbon emissions

- Making the council's transport fleet ultra-low emission by 2028
- Council to purchase only renewable electricity for its estate
- Install SMART Technology to maximise energy efficiency of council buildings

Increasing sustainability within the council

- Improve transparency around recycling in the city
- Continue ensuring that all future corporate regeneration schemes are evidently sustainable
- Reduce printing in the council

Improving support towards carbon reduction in the city

- Deliver Black Country Ultra-Low Emission Vehicle Programme
- Support delivery of renewable energy facilities within the city
- Request review of the West Midlands Pension Fund's investments
- Further develop existing infrastructure to support energy shift

Improving support for sustainability in the city

- Deliver programme to encourage sustainability in our city's schools
- Deliver SMART City initiatives that enable more sustainable practices
- Deliver scheme that encourages business to eliminate single-use plastics

Increasing carbon capture

- Implement the Tree and Woodland Strategy
- Develop tree planting programme within the city

DIGITAL INFRASTRUCTURE STRATEGY

FULL-FIBRE BROADBAND

Local full fibre network

Connecting public sector premises across Wolverhampton to a full fibre broadband network

Social housing fibre rollout

Through use of non-exclusive wayleaves to enable to rollout

Gigabit vouchers

£2,500 available to small and medium sized enterprises

WIRELESS CONNECTIVITY

Smart infrastructure

Upgrading lampposts to run Smart technologies and facilitate the rollout of 5G small cell

WMCA Urban Connected Communities 5G

Facilitating the rollout of 5G across Wolverhampton including infrastructure acceleration and a testbed around construction

CROSS CUTTING

Assets for technology

Addressing barriers and maximising use of our assets for technology

Growing Wolverhampton's digital economy, skills and inclusion

Maximising benefit from digital infrastructure to Wolverhampton's businesses and residents

- Sign up to our monthly Newsletter
- Join us as a member
- Join a relevant network – they're free!
- Support our networks and their events
- Follow us on Twitter @SWMtweet



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