

Sustainability West Midlands

Progress towards our 2020 Vision

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CEX



2020 VISION

BUSINESS

The West Midlands is a hub for low-carbon technology innovation and an international supplier, increasing productivity by 30%

COMMUNITY

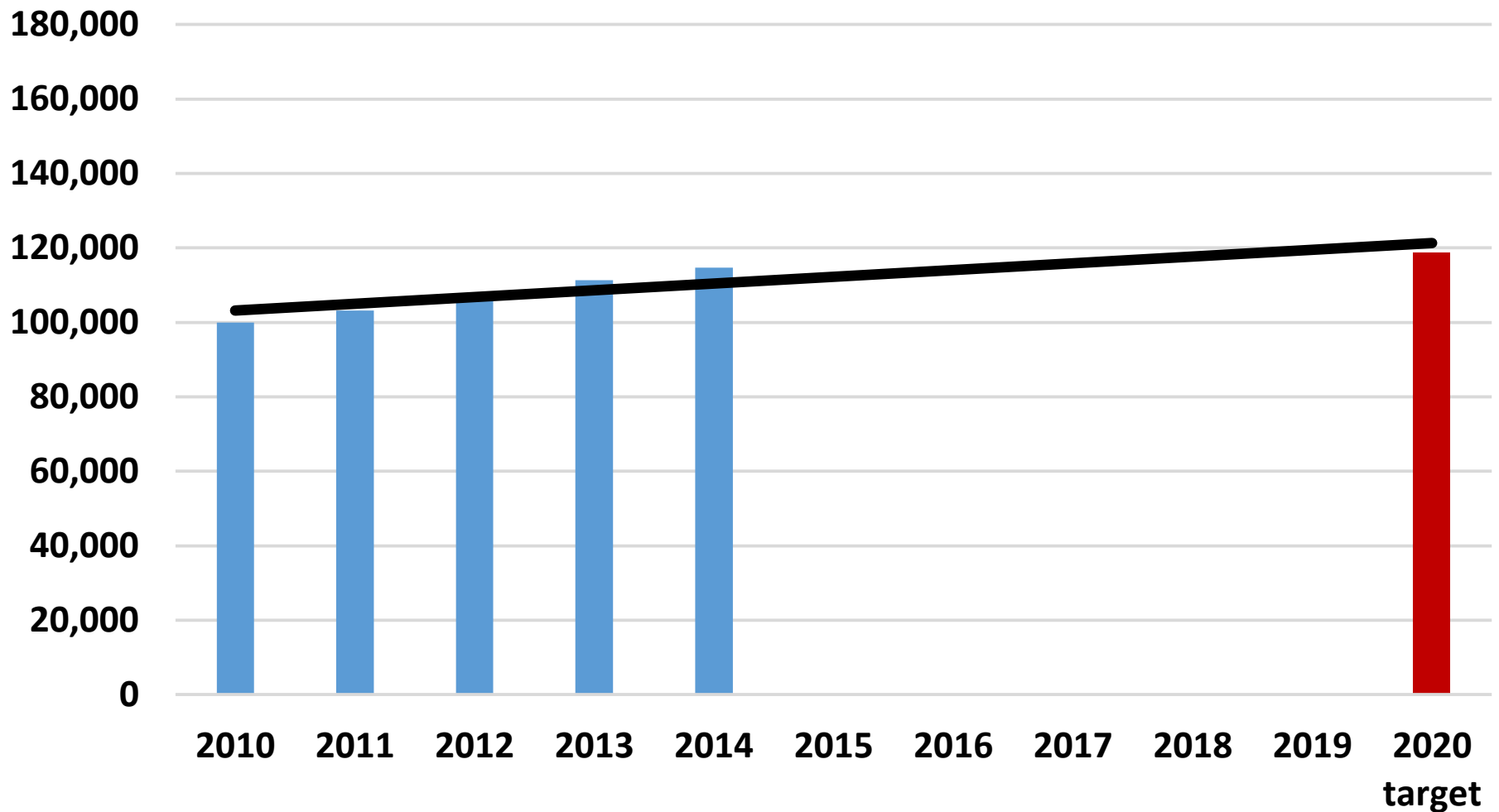
The life expectancy gap has fallen to 6 years as a result of employment, less pollution and healthier lifestyles

PLACE

Regional direct carbon emissions reduced by around 30% from energy efficiency action and 20% of electricity from renewable sources

2016 progress on 2020 Vision Business – Economic Productivity

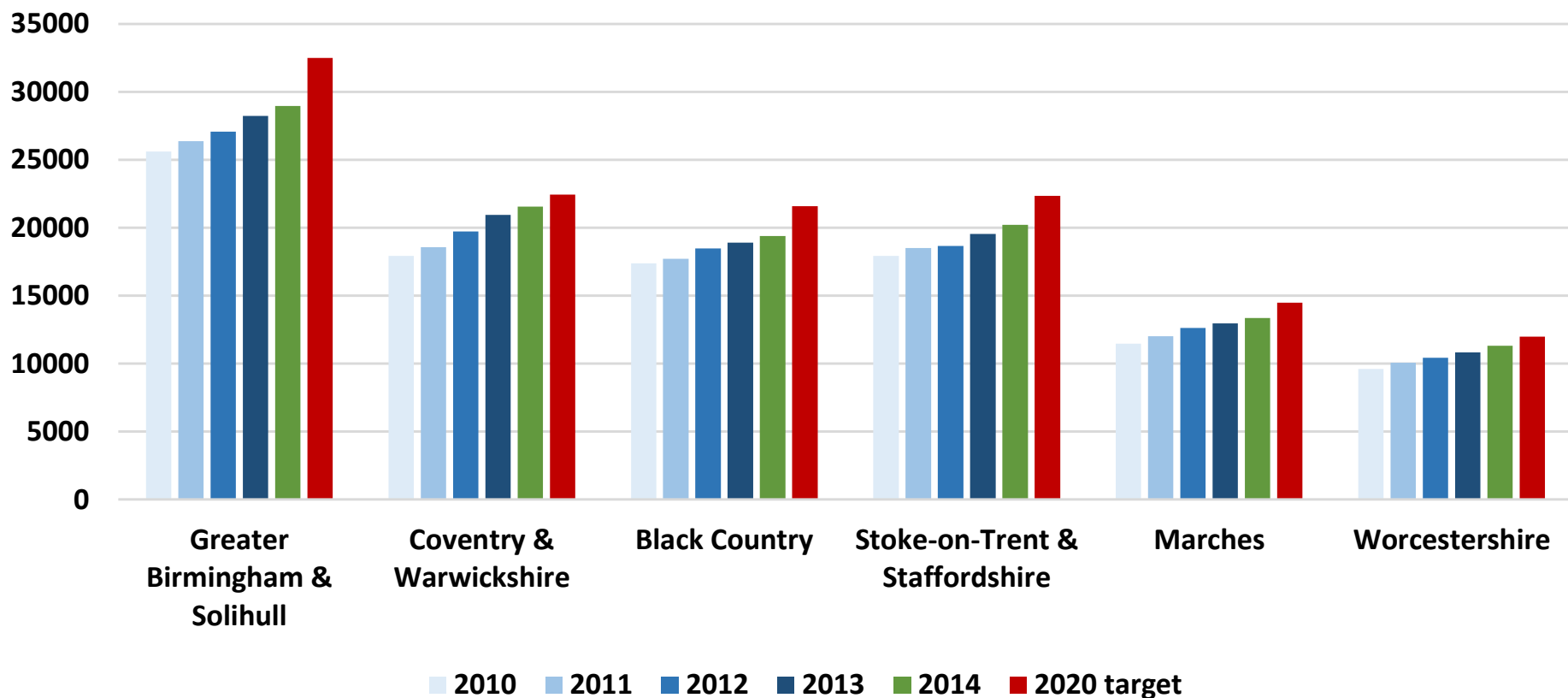
West Midlands GVA £ million



2016 progress on 2020 Vision

Business – Economic Productivity

GVA by LEPs (£ million)



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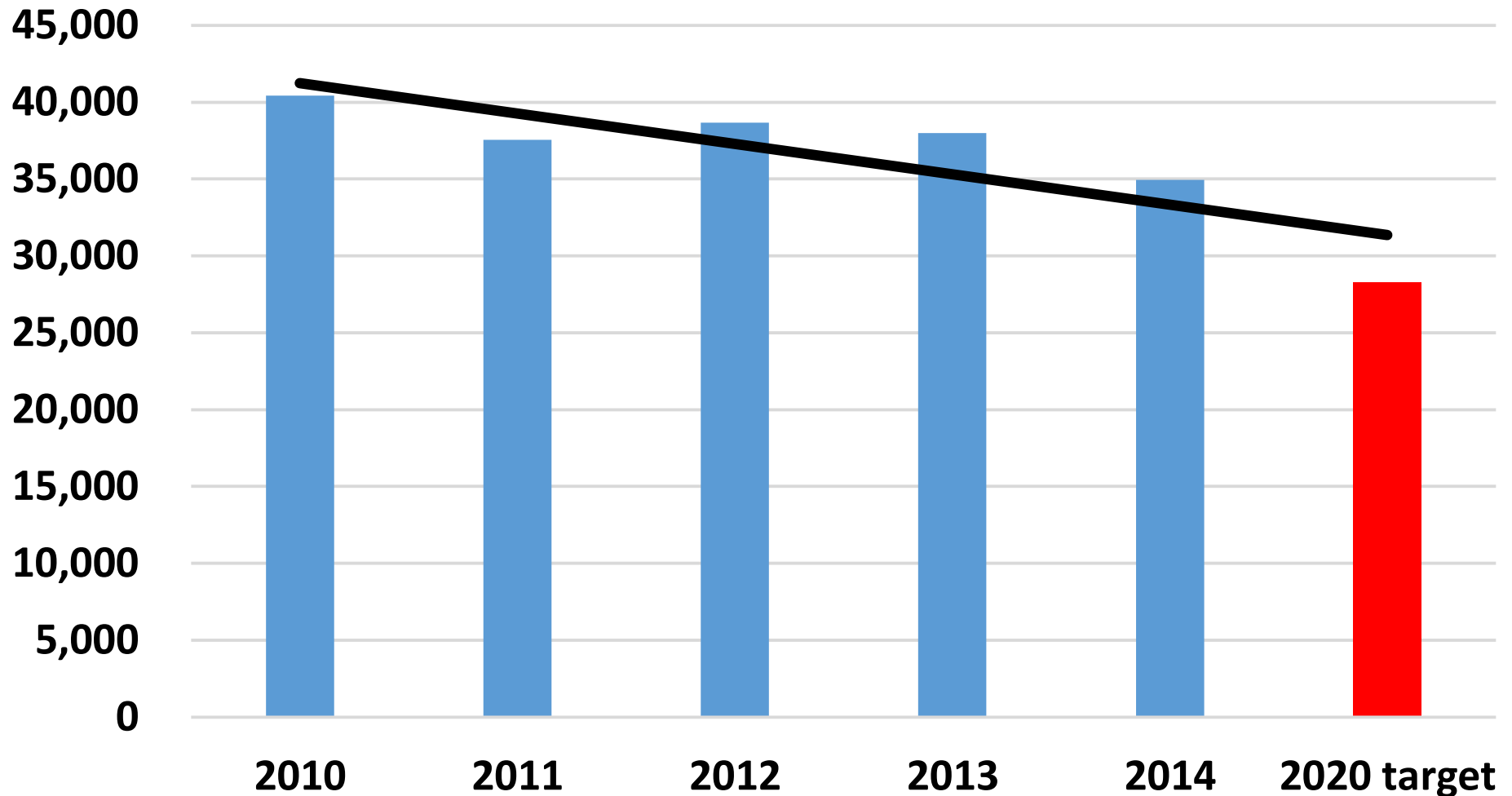
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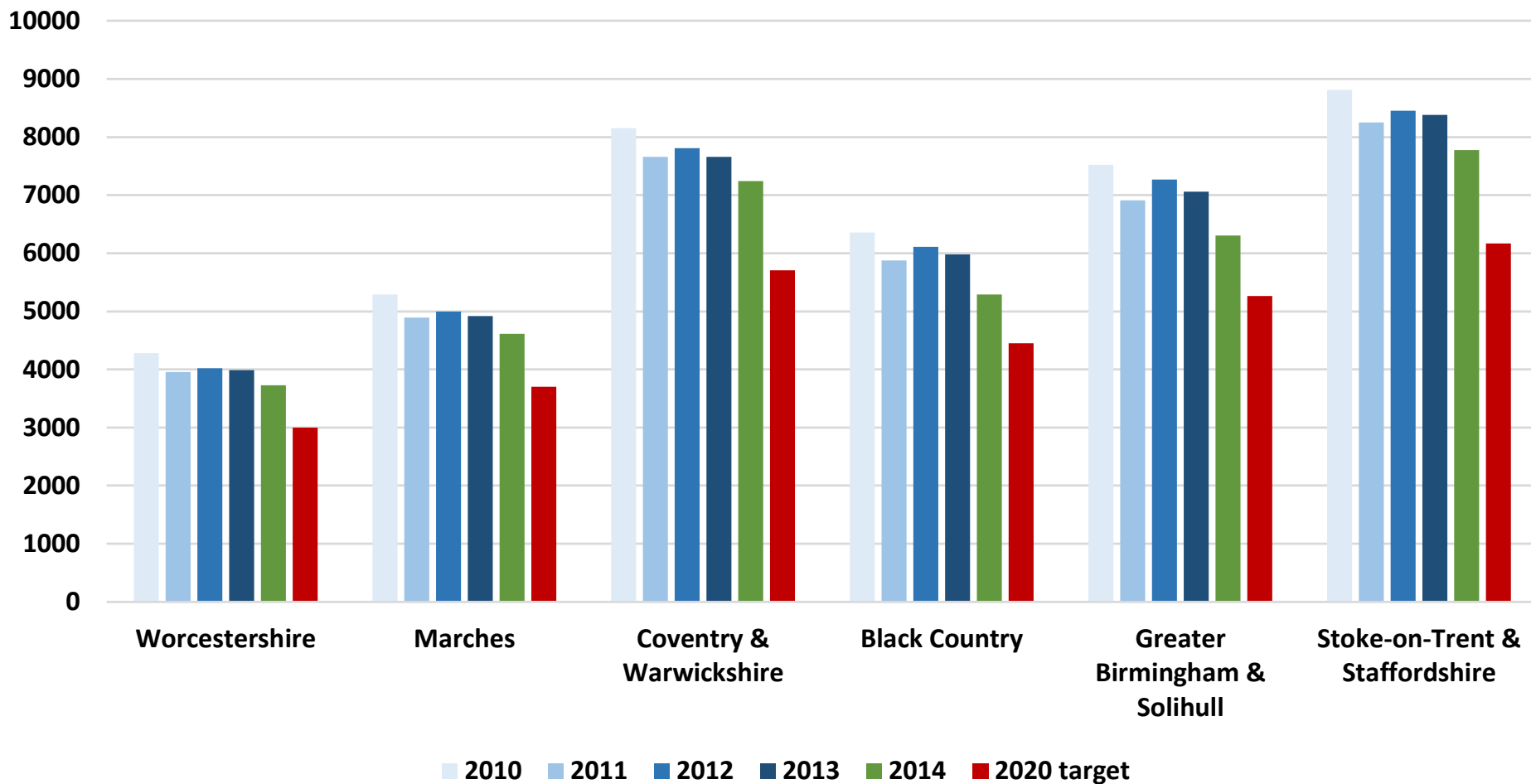
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West Midlands Emissions (kt CO₂)



Emissions by LEPs kt CO2



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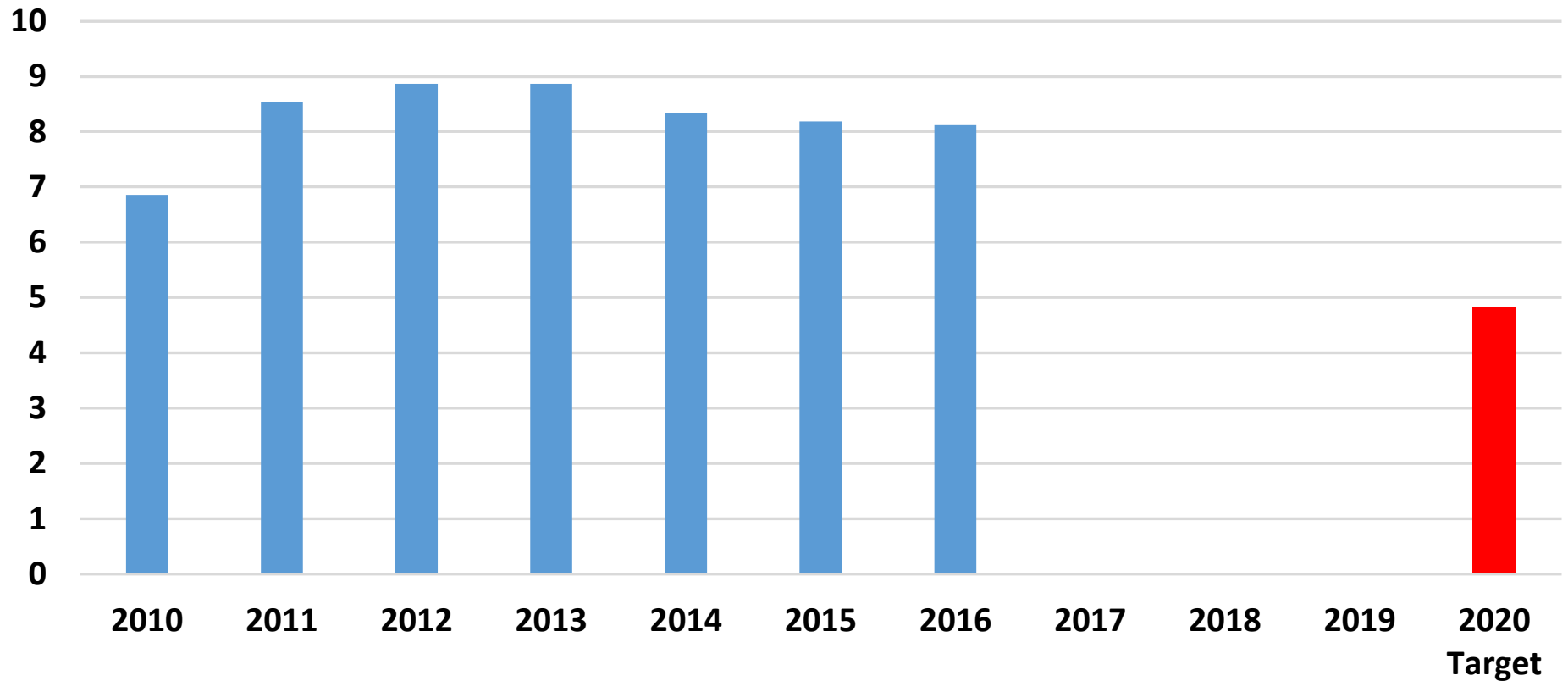
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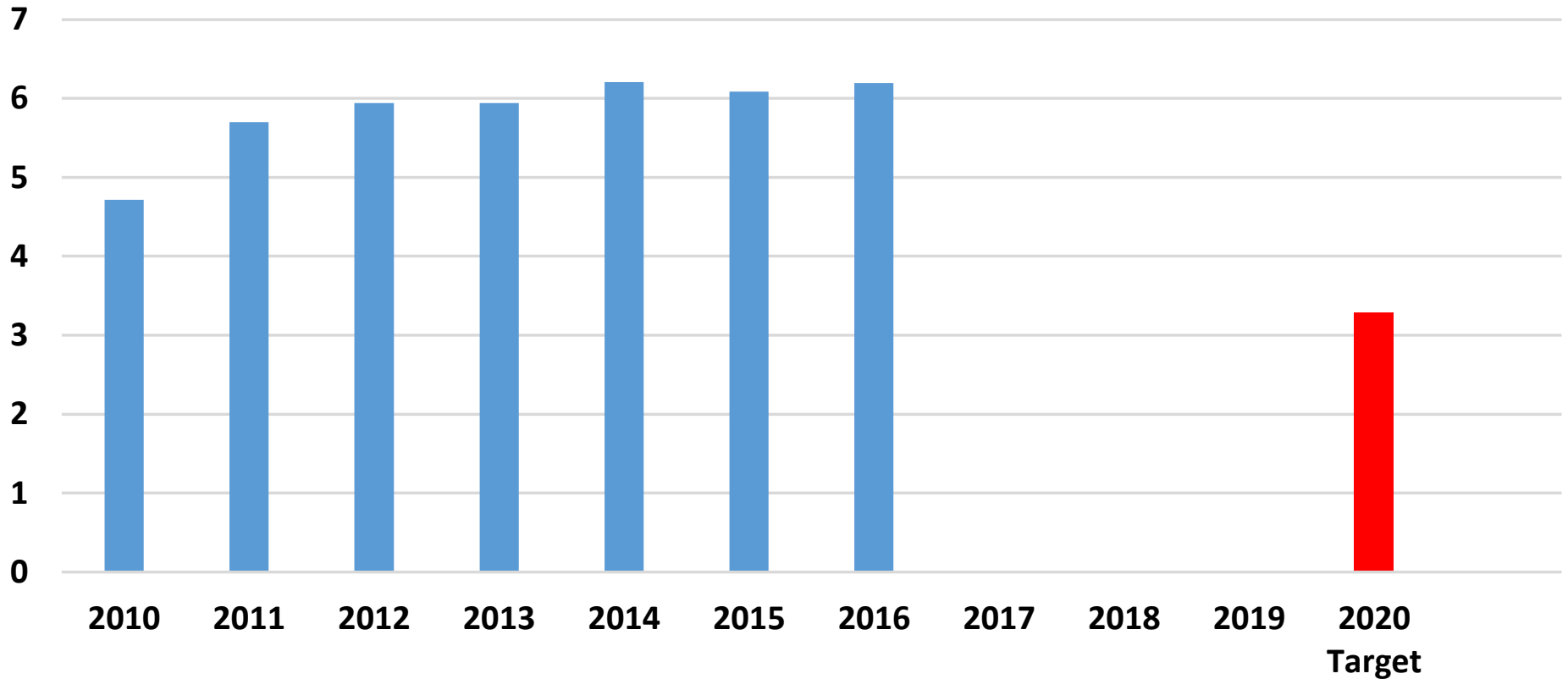
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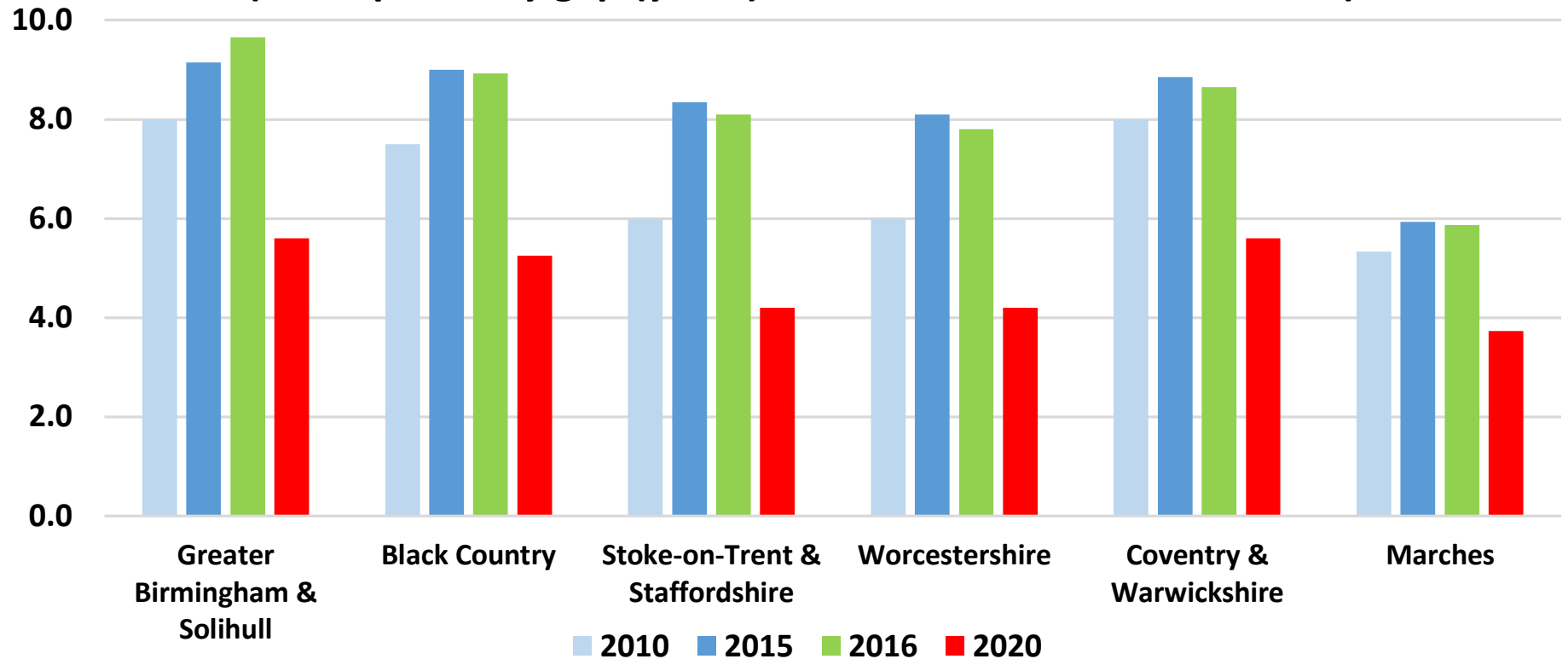
Male (life expectancy gap (years) between best and worst areas)



Female (life expectancy gap (years) between best and worst areas)

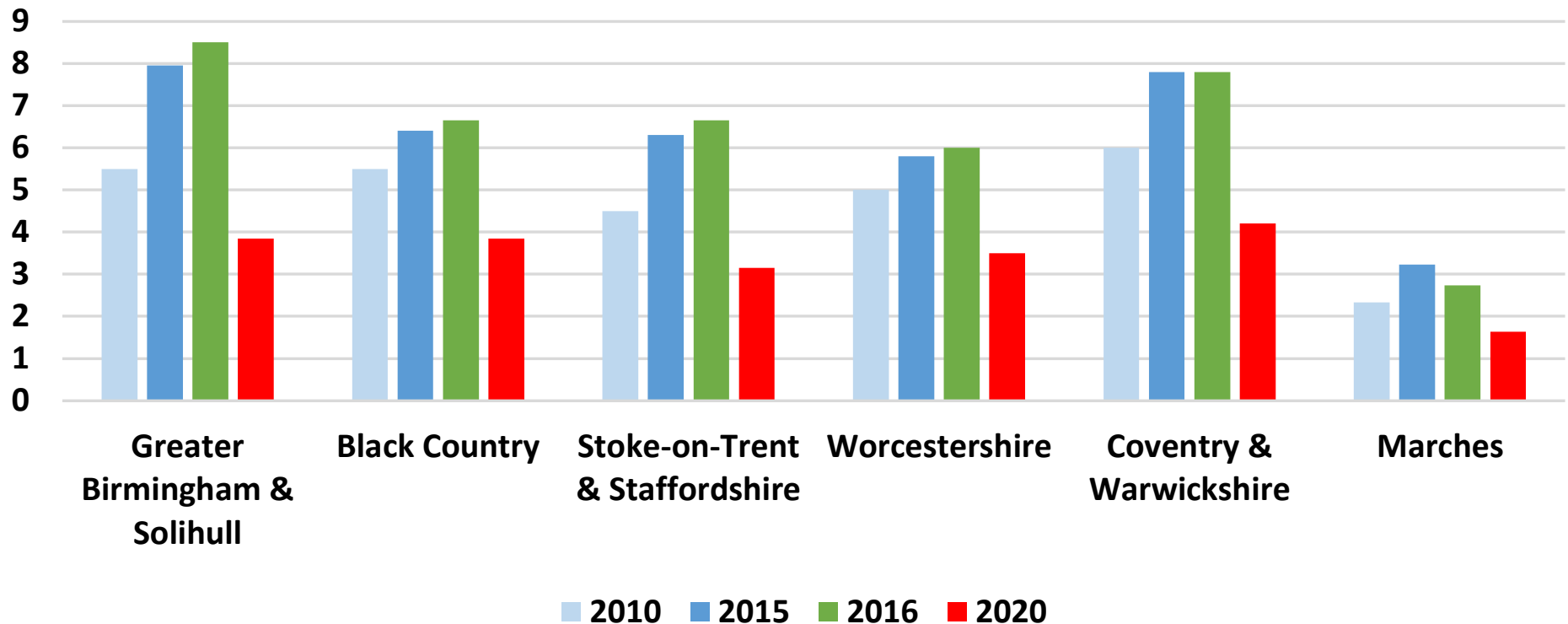


Male (life expectancy gap (years) between best and worst areas)



Female

(life expectancy gap (years) between best and worst areas)



2010 Challenges

Business

- The West Midlands performs below the English average in productivity by £10-15 billion
- The long-term unemployed face difficulty in accessing work
- Concentration of manufacturing and motorways will make it more challenging to meet carbon emission reduction targets

Community

- An average gap in life expectancy of 10 years exists between the best and worst areas within the West Midlands
- Poor biodiversity and natural resources are strongly correlated with poor health, low employment expectations, poverty and poor life chances
- An estimated 13% households in the West Midlands live in 'fuel poverty'

Place

- On top of national targets, the West Midlands needs to reduce emissions by an additional 2 million tonnes of CO₂e due to economic geography and limited capacity for 'offshore' renewables
- Renewable energy capacity in the West Midlands will need to increase fifteen-fold to meet the national target
- Transport accounts for 30% carbon dioxide emissions in the West Midlands and use of public transport is falling
- A legacy of intense land use has resulted in the degradation of valuable natural resources

Priority Actions

Jobs

Development & coordination of initiatives to stimulate low carbon jobs & skills

Procurement

Public sector sustainable procurement to stimulate innovation & save costs

Waste

Infrastructure for diverting commercial & industrial waste from landfill

Buildings

Retrofitting existing housing stock and buildings to improve energy efficiency

Transport

Improved low carbon transport choices - flexible working, cycling, walking

Energy

Decentralised energy networks focused on regeneration areas

Environment

Environmental infrastructure to enhance water supply, flood defences & green spaces

2020 Vision

Business

- The West Midlands is a hub for low-carbon technology innovation and an international supplier, increasing productivity by 30%
- There has been growth in the building refurbishment industry and the manufacture of wind turbines, fuel cells and solar fittings
- Investment in the motor industry has taken advantage of the 'green motoring' market

Community

- The life expectancy gap has fallen to 6 years as a result of employment, less pollution and healthier lifestyles
- Up-skilling programmes have equipped the local workforce with skills to enter new job markets
- Urban farming schemes are in place; many households, hospitals and schools are reaping the associated health benefits

Place

- Regional direct carbon emissions reduced by around 30% from energy efficiency action and 20% of electricity from renewable sources
- Many communities and businesses own micro-generation facilities to produce their own energy
- Homes are built to 'zero carbon' standards
- Traffic volumes have decreased 20% in rush hour due to flexible working & dedicated coach and car-sharing lanes
- Infrastructure is in place for the use of electric cars and bicycle-sharing schemes
- New flood defences have been put in place to defend against increasingly frequent floods

Leadership & perception change – civic and corporate leaders showing that work & lifestyle changes are desirable and realistic

Perception survey of WM ‘excellent-good’ progress & joint working on....

Sustainability Priority Action	2016	Since 2010
Transport – flexible & active	47%	Down 2%
Environment – green infrastructure	38%	Down 6%
Buildings – new & retrofit	36%	Down 19%
Waste - commercial	40%	Down 17%
Energy – decentralised networks	35%	Up 4%
Leadership & perception change – promoting realistic & desirable future	44%	Up 8%
Procurement – innovation & cost saving	25%	Down 22%
Jobs – coordination & promotion of low carbon support	44%	Down 5%

Our successes this year...

