

Section A: Scheme Summary

Name of Scheme:	West Yorkshire Zero Emission Bus (ZEB) Programme
Location of Scheme:	West Yorkshire
Lead Organisation:	West Yorkshire Combined Authority
Senior Responsible Officer:	Dave Pearson, Director of Transport and Property Services
Lead Promoter Contact:	Roseanna Brett-Davis, Policy Officer
Applicable Funding Stream(s) – Grant or Loan:	Multiple funding streams- Grant
Approvals to date:	Strategic Assessment- 30/09/2021
Forecasted Full Approval Date (Decision Point 4):	The programme is split into the follow phased projects Phase 1- August 2022 Phase 2- March 2023 Phase 3- December 2022
Total Scheme Cost (£):	£81,161,738
Combined Authority Funding (£):	£49,565,171
Total other public sector investment (£):	None.
Total other private sector investment (£):	£31,596,567
Is this a standalone Project?	No
Is this a Programme?	Yes- ZEB
Is this Project part of an agreed Programme?	Yes

A.1

Scheme Description

This scheme will introduce between 179 and 245 zero emission electric buses and the necessary support infrastructure into use in the West Yorkshire region. This will increase the proportion of these types of buses in the West Yorkshire fleet by up to 19%.

The scheme will be delivered in three parts:

- Phase 1 is a £56.2million programme to introduce 111 zero emission buses and associated infrastructure on routes in Bradford, Leeds, and Wakefield districts.
- Phase 2 is a £4 million project to introduce 8 zero emission buses and associated infrastructure to routes in Calderdale and Kirklees. There will be a specific focus on exploring the impact of hilly landscape on the running of electric buses, and how the Combined Authority can work with smaller operators running tendered services to encourage a switch to zero emission buses.
- Phase 3 is a £21million project to introduce between 60 and 126 zero emission buses and associated infrastructure.

This scheme is part of the region's response to tackling the climate emergency.

A.2

Business Case Summary

Strategic Case

This scheme is part of the region's commitments to respond to the climate emergency. The Combined Authority has established an ambition to have a zero-emission bus fleet by 2038 and to have made significant progress towards this by 2030.

This scheme works towards two of the Combined Authority's key priorities within the Strategic Economic Framework (SEF):

- Tackling the climate emergency: Growing out economy while cutting emissions and caring for our environment.
- Delivering 21st century transport: Creating efficient transport infrastructure to connect our communities, making it easier to get to work, do business and connect with each other.

It also supports the Mayor's pledge to tackle the climate emergency, and the West Yorkshire Climate and environment plan 2021 – 2046 which commits to decarbonising the bus network and the supporting infrastructure for buses.

This programme will improve transport by bus in the region by removing older, more polluting vehicles which do not meet the needs of passengers with modern, high-class vehicles connecting our cities and towns across the region.

The West Yorkshire Transport Strategy 2040 sets out the future vision for transport across the region and recognises the role transport has to play in improving air quality and creating healthy places to live and work and supporting a local carbon economy. The policies contained within the Transport Strategy include a commitment to provide a

comprehensive electric vehicle charging network and work with bus operators to move to a near-to-zero emissions bus fleet.

The Bus Service Improvement Plan builds on the ambitions of the Transport Strategy and Bus Strategy. The plan sets a target of having 10% of the West Yorkshire fleet being transitioned to zero emission buses by 2025 and 50% by 2030, before a fully zero emission fleet by 2036.

All three phases of the programme are supported by funding bids and if successful will bring additional funding to the region. .

Economic Case

The programme will introduce zero emission buses and supporting infrastructure in different areas of West Yorkshire. Options for the projects will be developed in partnership with the West Yorkshire Bus Alliance, which brings together the three large operators across the region alongside a representative for smaller operators. Value for money will be established as project business cases are developed.

Commercial Case

This programme was developed in partnership with partner councils with deliverability as a core criterion, and the bid included letters of support from political leaders to deliver the schemes included.

Financial Case

The total scheme cost for the programme is £81,161,738. This is comprised of £49,565,171 from Combined Authority funds (Zero Emission Bus Regional Area (ZEBRA) fund, Gainshare element of the Transforming Cities Fund (TCF) and the City Region Sustainable Transport Settlement (CRSTS)) and £31,596,567 from private sector match funding.

The proposed projects have a total cost as follows:

- Phase 1: £56,161,738
- Phase 2: £4,000,000
- Phase 3: £21,000,000

Management Case

The programme will be managed by the Combined Authority. The programme will run initially for a seven-year period reflecting the development, deployment and monitoring of the projects within the programme.