

The Low Emission Bus Guide Greener Journey's Trilogy

Low Emission Bus Workshop - Leeds Tuesday 11th July 2017



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Low Emission Bus Guide



- LowCVP identified the provision of information has key role to play in encouraging the growth of low emission bus market
- Focus on small operators and local authorities.
- Low Emission Bus Guide created to aid procurement decisions and increase knowledge of available options, including:
 - National policy framework including grants and incentives
 - Technical how different bus technologies & supporting infrastructure work
 - Environmental Well-to-Wheel greenhouse gas & AQ emissions
 - Operational variation compared to conventional diesels.
 - Financial what to consider when assessing total cost of ownership
- Aims to answer how can LEB technologies and fuels best suit different routes and ambitions.
- Supported by case studies of in-service bus fleets in the UK & Europe.

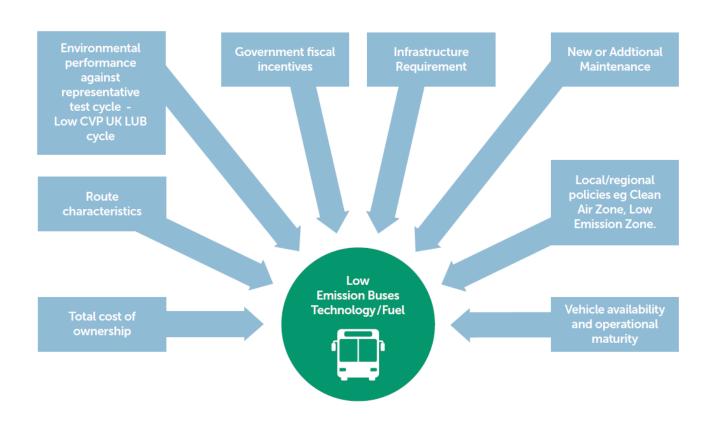


What to consider?



Guide highlights key elements to consider when assessing different LEB options:

- Local policies
- Route characteristics
- Infrastructure requirements
- Vehicle availability
- Environmental performance
- Fiscal incentives
- Total cost of ownership



Overview of Technologies, Fuels and Infrastructure



Connect
Collaborate
Influence

8 different technologies and fuel options covered:

- Battery Electric
- Hybrid
- Plug-in Hybrids
- Biomethane
- Hydrogen Fuel Cell
- Biodiesel & HVO
- Efficient Diesels (Electrified Ancillaries)
- Retrofit SCR for NOx emissions reduction

Emissions performance data from Low Emission Bus accreditation scheme for new buses.

View all models on LowCVP Low Emission Bus Portal





A Green Bus for Every Journey

Produced trilogy of reports in collaboration with GJ

"A Green Bus for Every Journey":

- Provides the bus operators perspective of low carbon buses and fuels:
 - Hybrid, Battery Electric, Biomethane, Hydrogen, Biodiesel, Efficient Diesels
 - 20 case studies including: TfL, Nottingham CC, Stagecoach, National Express, Lothian Buses, First Bus, Arriva, Reading Buses and more..
 - Includes environmental and financial benefits













Conclusions



- Low Emission Bus Guide provides comprehensive details regarding how bus operators can choose different low emission fuels and technologies for their fleet upgrades.
 - Regularly update vehicle data and new models on website.
- A Green Bus for every journey gives wide variety of cases studies of LCEBs and LEBs in operation across UK.
- LowCVP hosting 2 more regional workshops across 2017/18 to reach out to more operators and local authorities. Next workshop to be in Nottingham in November.

Download reports from the LowCVP website.

- For more info on joining LowCVP speak to Gloria, Alec or myself.
- Please visit Optare stand during break for tour of Metrodecker EV.

www.lowcvp.org.uk