

Emission Vehicles

Low Emission Bus Workshop
11th December 2018



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Vehicle Fleet

Pre 2016

- 120 vehicles were effectively “owned” and managed by the teams who used them.
- These vehicles were being operated and maintained as individual entities leading to operational inefficiencies.
- Vehicles were being replaced on a like-for-like basis as there was no resource to research new/emerging technologies.



Vehicle Fleet Assessment

Nov/Dec 2016


A detailed assessment of 40 vehicles in the fleet provided the start of:

- Visibility of depreciation, maintenance costs and fuel use to understand the full annual cost for each vehicle
- Data led decision making and improved strategic oversight
- An understanding of new vehicle technologies to reduce operational costs



Vehicle Fleet Strategy

2017-26

- The strategy provided a formalized approach to:
 - Centralize ownership of vehicle assets
 - Replace vehicles where there are immediate savings
 - Develop a structured replacement strategy based on usage
 - Start discussions with Bus Manufacturers to replace the Landside Bus Fleet
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- Reduce operational costs and improve the customer experience
 - of the airport whilst reducing CO₂ and other air emissions.

- 12 Operational vehicles replaced with full electric alternatives
- 2 Operational vehicles replaced with PHEVs
- 8 Operational vehicles replaced with lower CO2 alternatives as PHEV or EV solutions not feasible
- Established a Electric Vehicle Charging Network for BHX Vehicles across the site



Planned activity - 2019 on

- Expand the Electric Vehicle Charging Network for BHX Vehicles to 24 x 7kW+ sockets in early 2019.
- Implement more publicly accessible EV charging points to support Electric/Hybrid Taxis.
- Install Electric Bus chargers outside the main terminal.
- Install 150kW CCS2 Charging Points in the Coach Park.



Planned activity - 2019 on

- Replace our existing diesel Landside Bus Fleet with 6 full electric buses
- Investigate the opportunities of moving specialist airside vehicles (MEWPs, etc) to full electric powertrains.
- Continue to replace our vehicle fleet with lower CO₂ alternatives
- Open our Bus Charging infrastructure for use by other operators





Any Questions?

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