case studies

Leased Electric Vehicles for Estate Management

Mobility | Manchester, UK

Photo source: University of Manchester

Manchester City Council and the University of Manchester replaced a number of their diesel vehicles with leased electric vehicles. This provided an opportunity to support the transition to EVs by practical experience. The vehicles are primarily used for deliveries and operational services.

Measured Impacts

118,000 km
PM **589g**
CO **74.17kg**
CO_2e **13.93T**
NOx **35.32g**

project scale **City Wide**

development type **Replacement**

Benefits

- ☑ Carbon savings
- ☑ Reducing use of fossil fuel
- ☑ Reducing operational costs
- ☑ Reducing GHG emissions
- ☑ Decreasing energy consumption
- ☑ Decreasing energy costs

Lessons learned

- Need for dedicated charging infrastructure
- Understanding leasing terms

Challenges

Lack of dedicated parking for some vehicles.

Supporting factors

infrastructural — A small number of existing charging points

financial — Reducing costs

geographical — City wide

social — Contributing to city targets for carbon reduction 2038

partners — University of Manchester, Nissan, Manchester City Council

Films

https://youtu.be/ACFeyVznmwA

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