

## SUMMARY

Forty electric vehicles (EVs) are to be tested on the streets of Glasgow as part of a UK-wide trial of environmentally-friendly vehicles. The specially-designed EVs will be seen on the roads by the end of the year. Glasgow firm Allied Vehicles has already converted the Peugeot Expert Teepee to electric and is now working to transform the Peugeot Partner to also run off a battery. The vehicles will be incorporated into the Glasgow City Council fleet and the fleets of a number of organisations across the City.

## BACKGROUND

The vehicles are funded through the Technology Strategy Board's (TSBs) Ultra Low Carbon Vehicle Demonstrator Programme (ULCVDP). The Glasgow consortium is one of several projects funded across the UK with the aim of stimulating the EV market in each participating area. The members of the Glasgow consortium are: Glasgow City Council.

- Allied Vehicles –electric vehicles.
- Axeon Batteries –battery technology.
- ScottishPower – charging points and network expertise.
- Strathclyde University – technical assistance and analysis of data.
- Scottish Enterprise

The vehicles will be allocated across the City by the Council and will remain in each fleet for a period of three years. Strathclyde University will analyse the data collected in the first 12 months to help gain an understanding of the usage patterns of EVs, which will be fed back to the TSB.

It is hoped the trial, which is being mirrored by similar electric-car schemes in a number of other locations across the UK, will help pave the way for mass take up of environmentally-friendly EVs in the future. The cars will be recharged from either the company depot, a home power supply or specially designed plug-in points installed across Glasgow.

The Council will work with ScottishPower to identify the charge point locations across the city and help with any planning issues to ensure a smooth rollout of the charging infrastructure. This will be done in conjunction with Glasgow City Parking. A number of public bodies are being consulted to ensure a wide range of driver experiences are trialled and the vehicles are spread evenly across Glasgow. The Council will also incorporate a number of vehicles into its fleet and will provide feedback on how best to run the vehicles in a fleet.

## KEY CONTACTS

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## LOOKING AHEAD

### The Next Steps:

Glasgow is looking to build on the success of the ULCVDP through the Energy Technology Institute's Joined-Cities Plan. An £11m scheme, it will help cities deploy a network of recharging points for electric and plug-in hybrid vehicles.

The scheme has been created to help support the roll-out of a single national network that will ultimately enable plug-in vehicles to be easily used and recharged anywhere, including at home.

Through the Joined-Cities Plan, local authorities and electricity distribution network operators will install recharging infrastructure allowing consumers to easily use their electric vehicles in any of the other major UK cities in the scheme, including Birmingham, Coventry, Glasgow, London, Middlesbrough, Milton Keynes, Newcastle, Oxford and Sunderland.

As the only Scottish city to be included in the project, Glasgow will work with the ETI and continue its work with ScottishPower to develop and implement detailed plans for the installation, that will support thousands of low carbon vehicles from 2011 onwards.

### Future Benefits:

Glasgow will benefit from being at the forefront of EV participation in the UK, helping to reduce the City's carbon emissions. Given the zero tailpipe emissions of the vehicles, air quality will also benefit as more EVs appear on Glasgow's roads.