

A 'Plug' for Electric Vehicles!

Sally Herbert
Sustainable Travel Officer
Newcastle City Council

The Role of Newcastle City Council

- **Help shape the growth in use of electric vehicles for the citizens and users in and around Newcastle**
- **Act as a demonstrator for electric vehicles/infrastructure**
- **Provide charging point infrastructure in and around Newcastle**
- **Develop expertise for installing and maintenance across the North East**
 - **Preferred Supplier Status**
 - **Lead Delivery Partner for Plugged in Places**

Plugged in Places for the North East

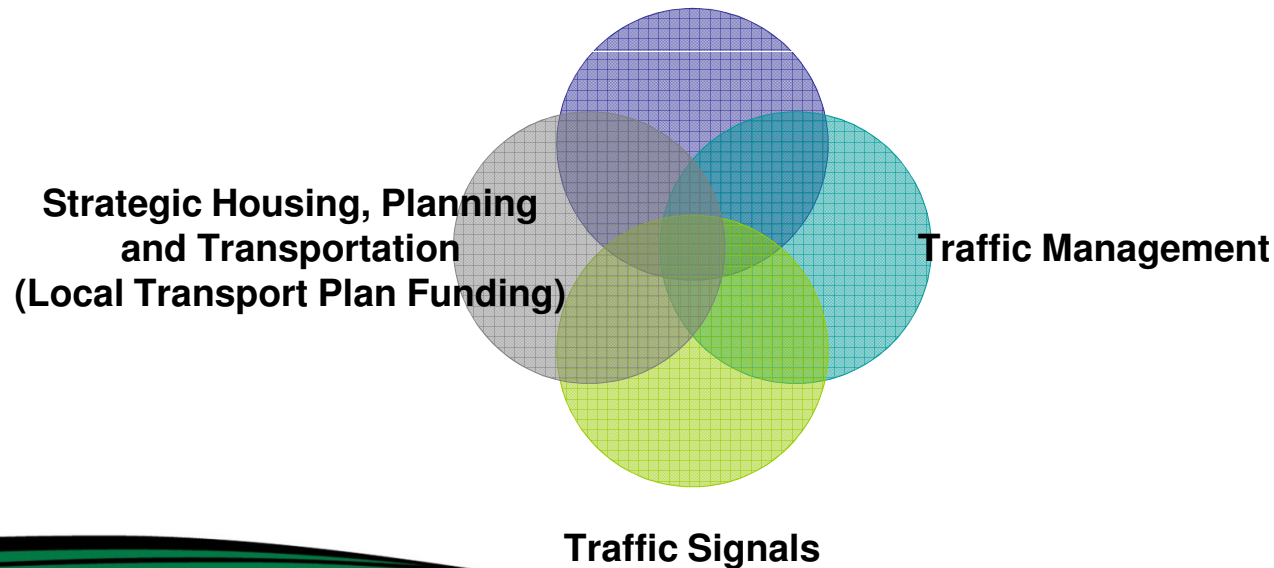
- **North East identified as one of the first plugged in places areas in phase 1**
- **Commitment to install 580 public charging points across the North East**
- **Over 60 partners within the project**
- **All 12 local authorities have secured funding to support the programme**
- **Traffic Signals act as lead delivery partner**
- **Additional infrastructure requirements: domestic, quick...**

Delivery within the Council

Lead Officer: Sally Herbert, Sustainable Travel,

- **Co-ordinates low carbon vehicle activities across the Council**
- **Oversees the programme of installations across Newcastle**
- **Works in partnership with key stakeholders across the region**
- **Supports the activities of Technical Services across the region**

Integrated Transport Unit



Integrated Transport Unit:

- Identify low carbon opportunities for fleet applications
- Review fleet operations across the council
- Procurement of electric vehicles
- Identify alternative fuel options for the fleet



Newcastle City Council as an Early Adopter



Cenex Smart EV Trial 2009



Mitsubishi iMiev (2) Pool Car Fleet



Smith Eddison Electric Transit
(1) shuttle vehicle to Council
satellite sites

- 25 electric vehicles in our fleet

- Working with Cenex to undertake electric vehicle trials

- Building on quick wins:

- Low Carbon Vehicle Procurement Programme

- Incorporate into fleet operations

- Incorporate into business travel through pool cars

Fleet Applications



Smith Eddison Transit (4)

Cenex funding via Low Carbon Procurement Programme

Used by City Build and Sustainability Unit



Electric Refuse Collection (5)

Lease arrangement

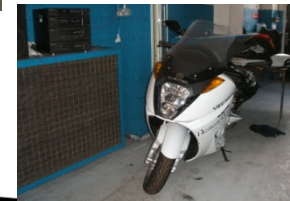
Environmental Services



E-Z Go (9)

Lease arrangement

Parks and Leisure application



Vectrix Scooter (2)

City Wide Service

Infrastructure Pilot

- Pilot electric vehicle infrastructure technology
- Developing a workforce trained in installation and maintenance
- Establishing an electric vehicle charging infrastructure platform



1 of the charging points in use at the Civic Centre

Charging point installation on Clayton Street



Traffic Signals

- Procure, survey, install and commission charging points across the North East
- Provide maintenance for charging points
- Commercial opportunities outside Plugged in Places



Traffic Management

- Work with to establish viable locations
- Initiate traffic regulation orders
- Order all relevant signage and works required



The Infrastructure Platform in Newcastle

- Focus on the city core
- Workplace/retail opportunities
- 32 charging points city wide
- Mixture of on street and off street locations
- Committed to an additional 17 points
- Further commitment by partners across the city, e.g. Universities, and Hospital Trust
- Continue working with partners through development to secure additional infrastructure, e.g. Sainsbury's, Tesco
- Charge Your Car 'back office system'

CHARGE 
YOUR CAR
PARK + PLUG + RECHARGE

EVADINE Switch EV Trial

- Part of the Technology Strategy Board's Ultra Low Carbon Vehicle Demonstrator Programme

- Ultra low carbon vehicles - sub 50g CO₂ / km

- Programme value £10.7m

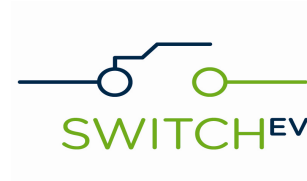
- Term: 2009 to 2013

- 35 vehicles on public trial from Q4 2010

- Integration with North East infrastructure roll out

- 'Hard' & 'soft' data acquisition & analysis

- Five consortium partners



Going forward

- **Continue to act as a demonstrator for electric vehicles and associated infrastructure**
- **In-house review of utilisation of electric vehicle applications**
- **Investigate alternative applications to electric vehicle use such as freight consolidation deliveries**
- **Monitor usage of charging point installations to help guide future investment**
- **Promote electric vehicle uptake through our travel planning activities and wider engagement with residents across the city**
- **Investigate alternative fuel options for our fleet operations**

Thank you

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