

REPORT TO: ENVIRONMENT COMMITTEE - 29 OCTOBER 2012

REPORT ON: PURCHASE OF ELECTRIC VEHICLES AND INFRASTRUCTURE

REPORT BY: DIRECTOR OF ENVIRONMENT

REPORT NO: 406-2012

1.0 PURPOSE OF REPORT

- 1.1 To seek authority for the development of an expanded electric car pool system across various Council departments.
- 1.2 To approve the spending on electric vehicle charging infrastructure within Dundee, to include publicly available charging points.

2.0 RECOMMENDATIONS

- 2.1 It is recommended that Committee approve the purchase of the vehicles listed in Appendix 1, at a total cost of £162,000. These vehicles are to be used exclusively for business purposes.
- 2.2 Authorise the spending of £160,000 on charging infrastructure within the city funded by Transport Scotland.

3.0 FINANCIAL IMPLICATIONS

- 3.1 The purchase of the 16 electric pool vehicles will cost £162,000 which will be funded from Capital expenditure financed by prudential borrowing. The revenue costs of these capital financing charges and the operation of the vehicles of £64,000 in a full financial year will require virements from Department budgets for travel and subsistence to reflect the savings in casual mileage payments.
- 3.2 The supply and installation of charging infrastructure is estimated to cost £160,000 which will be funded from a Transport Scotland "Plugged in Places" grant.
- 3.3 To fund, for an initial period of 2 years, the cost of charging private electric vehicles at the various publicly available charging points within the city, as requested by Transport Scotland. As noted at paragraph 4.5 any additional electricity cost will be minimal.

4.0 MAIN TEXT

- 4.1 The Council has operated a successful four car pool of electric vehicles within the Environment Department at Clepington Road for over a year. A further car pool has recently been introduced based at the underground garage, in Crichton Street. The pooled system with the Environment Department has proven extremely successful having allowed the department to initially

remove six vans from its fleet. The use of the car pool was extended to staff using their personal cars for casual mileage. In total there are 50 staff participating in the car pool and the vehicles are at approximately 80-90% utilisation.

- 4.2 Further trials have been undertaken using the electric vehicles within Social Work and Environment Department staff based at Claverhouse and Marchbanks. The electric vehicles have proven to be extremely popular with all participating staff.
- 4.3 A small Officer working group was formed early in 2012 to look at developing the opportunities for Dundee City Council in expanding its use of electric vehicles. The recent introduction of the Staff Travel Plan highlights the need for pool cars as a key component of the Council's overall strategy.
- 4.4 The 16 electric vehicles to be purchased will be strategically sited throughout the city to optimise their use, at the sites listed in Appendix 2 along with the required infrastructure, these vehicles are to be used for for business purposes only.
- 4.5 Charging infrastructure will require to be provided at each of the pool locations. This will be funded through a grant from Transport Scotland "Plugged in Places". A commitment of £160,000 to the Dundee Partnership has been made and the council will administer the city wide introduction on their behalf. The requirements of each site have been surveyed and it is estimated the grant is sufficient to cover all sites. The proposal will see the provision of 14 publicly available charging points within the designated car parks, through a combination of shared and public only charging points. As part of the grant these charging points are to be made available to the public free of charge for a period. Currently there are around sixty vehicles in private ownership in Scotland so any additional electricity cost will be minimal.
- 4.6 The Staff Travel Plan will address and reduce the requirement for casual mileage significantly through encouraging greater use of public transport. It is recognised within the plan that there are circumstances where a pool car is not only more economic and efficient but is also a requirement. The proposals are estimated to be initially cost neutral with the main benefits being the reduction in CO₂ emissions and the improvement in air quality.
- 4.7 There will be a requirement for departments to support the administration of the pool cars until a corporate system can be fully developed.

5.0 BENEFITS FOR CITY

- Addresses Dundee Single Outcome 11 and Corporate Outcome 3C as well as Measures 7 and 14 within the Council's Air Quality Action Plan.
- Improve CO₂ emissions, estimated up to 40 tonnes per year reduction.
- Improve air quality by removing approximately 175,000 miles driven in petrol or diesel cars per year.
- Reduce requirement for staff to bring cars to work and increase the use of public transport.
- Helps the full implementation of Staff Travel Plan.

- Reduces the conformity concerns with the use of 'Grey Fleet' vehicles.
- Dundee City Council are already seen as public sector pioneer/early adopter and are a founding partner in Scottish Government led E-Cosse Partnership. The Partnership aims to establish Scotland as an electric vehicle pioneer, maximizing the economic, environmental and social benefits of electric vehicles as an integral part of a sustainable transport system and a smart energy grid.

6.0 POLICY IMPLICATIONS

6.1 The report has been screened for any policy implications in respect of Sustainability, Strategic Environmental Assessment, Anti-Poverty, Equality Impact Assessment and Risk Management.

6.2 The major issues identified are:-

- i) each prospective supplier has been assessed to ensure their business complies with the Race Relations Act 1975.
- ii) in each case all engines fitted meet or exceed legislative requirements regarding exhaust gas emissions and noise pollution.
- iii) each item will be subject to regular maintenance and testing throughout its operational life to ensure compliance with standards set.

7.0 CONSULTATION

7.1 The Chief Executive, Director of Corporate Services, Head of Democratic and Legal Services and Director of City Development have been consulted in relation to this report.

8.0 BACKGROUND PAPERS

8.1 None.

Ken Laing
Director of Environment

Gary McRae
Corporate Fleet Manager

07 December 2012

APPENDIX 1

VEHICLE PURCHASE

Vehicle Required	Supplier	Make	Model	Qty	Tender Price £	Framework
Electric Cars	Peugeot	Peugeot	iOn	16	162,000	Scotland Excel Framework Supply & Delivery of Light Commercial Vehicles Schedule Number 1808 PC/3
TOTALS				16	£ 162,000	

APPENDIX 2

CHARGING INFRASTRUCTURE

Site	Location	Charging Unit	Stationed EV	Public
Turriff House	Rannoch Road	4 x Double Standing Units (4 out of 6 sites to be chosen)	8 x Peugeot Ion	N
Menzieshill House	Earn Crescent			
Craigie House	Southampton Road			
Janet Brougham House	Banchory Road			
Oakland Day Centre	Morven Terrace			
Claverhouse	Jack Martin Way			
Housing Office West	Sinclair Street	1 x Double Standing Unit	2 x Peugeot Ion	Y
Housing Office East	Pitkerro Road	1 x Double Standing Unit	2 x Peugeot Ion	N
Greenmarket Car Park	Greenmarket	1 x Rapid Charger		Y
		2 x Double Standing Unit	3 x Peugeot Ion	Y
Gellalty Street Car Park	Gellalty Street	1 x Double Standing Unit	1 x Peugeot Ion	Y
New Olympia*	Allan Street	2 x Double Standing Unit		Y
Environment Department	Cleington Road	8 x Double Standing units	Future Proposals	N

* Gap funding only to upgrade the charging points to match current Dundee City Council specifications.