

ITEM No ...6.....

REPORT TO: CITY DEVELOPMENT COMMITTEE – 9 DECEMBER 2019
REPORT ON: SUPPLY OF ZERO EMISSION VEHICLES
REPORT BY: EXECUTIVE DIRECTOR OF CITY DEVELOPMENT
REPORT NO: 394-2019

1 PURPOSE OF REPORT

1.1 To seek approval for the purchase of electric vehicles as required by Dundee City Council to ensure ongoing operational efficiency and to support the delivery of front line services utilising zero emission vehicles.

2 RECOMMENDATION

2.1 It is recommended that Committee approve the purchase of the plant and vehicles listed in Appendix 1, at a total cost of £1,434,626.

3 FINANCIAL IMPLICATIONS

3.1 The Executive Director of Corporate Services advises that the capital costs can be met from allowances within the following:

- a Capital Budget - Vehicle Fleet: Purchase of Vehicles and Equipment for 2019/2020 - **£711,252**; and
- b Transport Scotland – Grant for Switched on Fleets Low Emission Heavy Goods Vehicle Procurement 2019/2020 up to **£723,374**.

4 BACKGROUND

4.1 Dundee is recognised as the UK's leading local authority for the adoption of electric vehicles and charging infrastructure. This recognition has encouraged UK vehicle manufactures to seek collaboration with the city as they start to deploy their latest mass market electric vehicles. Dundee will become one of the first cities in the world to deploy Dennis Eagle electric bin lorries as it continues to pioneer the transition to e-mobility.

4.2 All items included in this Committee Report are part of the ongoing review of plant and vehicle assets held by the Council. As part of the Council's drive to reducing the environmental impact of its fleet, ongoing discussions have taken place with Transport Scotland to support the transition of larger vehicles to zero emission options. A significant investment from Transport Scotland in this project will ensure Dundee remains at the cutting edge of this field and the learning from these projects will support this wider ambition to decarbonise transport.

4.3 Additional funding from Transport Scotland has been provided to deliver the innovative mix of infrastructure required to support the larger fleet vehicles and will be installed at Marchbanks Depot.

4.4 Items 1 and 2 in Appendix 1 are replacing vehicles that are getting towards the end of their useful life, while the Council capital cost is higher than the diesel equivalent a whole life analysis of the vehicles has shown an overall saving resulting from reduced fuel and maintenance costs associated with electric vehicles.

- 4.5 Item 3 will replace current hired standard minibuses and will improve the quality of service offered to residents of the city due to the improved access as well as delivering fuel and maintenance savings.
- 4.6 The various items are to be purchased through the appropriate framework as detailed within Appendix 1. The framework is used to identify compliant vehicles and suppliers at the lowest cost available to the local authority. Particular consideration is then given to whole life costs, operational needs, environmental impact, specification, reliability, performance, operator compatibility and after sales service (including spare parts provision as well as user experience) when selecting the vehicle that offers overall best value.
- 4.7 Various procurement options are considered when looking at replacements including purchase, leasing and hire. It was determined that outright purchase was the preferred option for these items taking into account whole life costs, funding conditions and the option to extend ownership beyond the scheduled life. In order to meet conditions associated with the grant from Transport Scotland, a provisional order requires to be placed for the vehicles before 30 November, subject to committee approval. In the event that the Committee does not approve this report, the order can be cancelled.
- 4.8 Appendix 2 highlights the predicted annual fuel savings of £23,024 along with 60,500kg of CO₂ reductions from the purchase of these vehicles. In addition it is expected that all vehicles will have significant service and maintenance savings but will require further data to obtain this accurate information.

5 POLICY IMPLICATIONS

- 5.1 This report has been subject to an assessment of any impacts on Equality and Diversity, Fairness and Poverty, Environment and Corporate Risk. Any issues are detailed on the attached sheets.

6 CONSULTATIONS

- 6.1 The Council Management Team were consulted in the preparation of this report.

7 BACKGROUND PAPERS

- 7.1 None.

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27 November 2019

APPENDIX 1

	Item Required	Supplier	Location	Make	Model	Emissions	Qty	Tender/Price	Framework
1	26t Refuse Collection Vehicle	Dennis Eagle	Warwick	Dennis Eagle	E-Collect	Zero	2	£753,730	Scotland Excel Heavy Plant and Ground Maintenance Equipment 09-14
2	Large Mechanical Sweeper	Johnston Sweepers Ltd	Dorking	Johnston	VE652	Zero	1	£350,000	Scotland Excel Heavy Plant and Ground Maintenance Equipment 09-14
3	Minibus	Mellor	Rochdale	Orion	E	Zero	2	£330,896	TPPL Bus and Coach NEP 0224 Lot 2.5
							Totals	£1,434,626	

APPENDIX 2**DIESEL/ELECTRIC COMPARISONS**

Per Vehicle	Annual Fuel Savings	Annual CO2 Reduction
RCV	£5,831.70	28,000kg
Sweeper	£9,906.38	16,500kg
Minibus	£727.22	8,000kg
Totals for 5 Vehicles	£23,024.22	60,500kg