

ITEM No ...13.....

REPORT TO: CITY DEVELOPMENT COMMITTEE – 25 JANUARY 2021

REPORT ON: SUPPLY OF ZERO EMISSION VEHICLES

REPORT BY: EXECUTIVE DIRECTOR OF CITY DEVELOPMENT

REPORT NO: 36-2021

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 frontline services utilizing zero emission vehicles.

2 RECOMMENDATION

- 2.1 It is recommended that the Committee approve the purchase of the vehicles listed in Appendix 1 of this report.

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 Dundee City Council Capital Budget - Vehicle Fleet: Purchase of Vehicles and Equipment for 2020/2021 - **£1,209,386**; and
 - b Transport Scotland – Grant for Switched on Fleets Low Emission Heavy Goods Vehicle Procurement 2020/2021 - up to **£489,386**.

4 BACKGROUND

- 4.1 Dundee is recognized as the UK's leading local authority for the adoption of electric vehicles and charging infrastructure. This recognition has encouraged UK vehicle manufacturers to seek collaboration with the city as they start to deploy their latest mass market electric vehicles.
- 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 reduce the environmental impact of its fleet in line with Scottish governments CO₂ reduction commitments, ongoing discussions have taken place with Transport Scotland to support the transition of larger vehicles to zero emission variants. A significant investment from Transport Scotland in this project will ensure Dundee remains at the forefront of this field and the learning from these projects will support this wider ambition to decarbonize transport.
- 4.3 In December 2020 Dundee City Council opened a high-powered HGV charging hub at the Marchbanks Depot to support the Council's first electric HGV vehicles. The hub was future proofed at the time of installation to facilitate the accommodation of the vehicles recommended in this report.
- 4.4 The items listed in Appendix 1 of this report are replacing vehicles that are nearing the end of their useful life. While the Council's capital cost is higher than the diesel equivalent, a whole life cost analysis of the vehicles has shown an overall saving resulting from reduced fuel and maintenance costs associated with electric vehicles.

- 4.5 The vehicles are to be purchased through the appropriate procurement framework as detailed within Appendix 1 of this report. The framework is used to identify compliant vehicles and suppliers at the lowest cost available to the Council. 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.
- 4.6 Various procurement options are considered when looking at replacements including purchase, leasing and hire. It is determined that outright purchase is the preferred option for these items taking into account whole life costs, funding conditions, and the option to extend ownership beyond the scheduled life.
- 4.7 Appendix 2 highlights the predicted annual fuel savings of £21,418.30 along with 124,500kg of CO₂ reductions from the purchase of these vehicles.

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. There are no major issues.

6 CONSULTATIONS

- 6.1 The Council Management Team have been consulted in the preparation of this report and are in agreement with its content.

7 BACKGROUND PAPERS

- 7.1 None.

Ewan Macnaughton
Head of Sustainable Roads and Transport

Author: Fraser Crichton

Robin Presswood
Executive Director of City Development

Dundee City Council
Dundee House
Dundee

RP/EM/FC/KM

14 January 2021

APPENDIX 1

	Item Required	Supplier	Location	Make	Model	Emissions	Qty	Tender Price	Framework
1	26t Refuse Collection Vehicle	Dennis Eagle	UK	Dennis Eagle	E-Collect	Zero	4	£1,520,816	Scotland Excel Heavy Plant & Municipal Vehicles 09-14
2	Small Mechanical Sweeper	Johnston Sweepers Ltd	UK	Johnston	City-cat 2020e	Zero	1	£177,956	Scotland Excel Heavy Plant & Municipal Vehicles 09-14
							Totals	£1,698,772	

APPENDIX 2

Diesel/Electric Comparisons		
Per Vehicle	Annual Fuel Savings	Annual CO2 Reduction
Refuse Collection Vehicles (RCV)	£17,495.10 *1	28,000Kg *2
Sweeper	£3,923.20	12,500Kg
Totals for 5 vehicles	£21,418.30	124,500kg

*1 Value for 4 No RCVs

*2 Value for 1 No RCV

