

Chichester District Council

Cabinet

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Compact sweeper Procurement

1. Contacts

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2. Recommendation

- 2.1 Cabinet recommends to Council the allocation of £205,000 from reserves to purchase a new electric powered compact sweeper for use within the city centre and surrounding streets.**

3. Background

- 3.1 CCS has one compact sweeper within its fleet which is hired in. This compact sweeper is used almost exclusively in and around Chichester City centre including the shopping precinct. The model that CCS currently rent is a diesel-powered unit. Two larger sweepers are used to sweep normal highways and roads and are too heavy and bulky for shopping precinct work. Both of the large sweepers are owned by CDC.
- 3.2 Compact sweepers are quite complex to both operate and maintain and for the last 10 plus years CCS have rented a vehicle from a rental contractor on an annual basis which includes a full maintenance and repair service. The life expectancy of this type of vehicle is 5-6 years.
- 3.3 On average the compact sweeper uses 5000 – 6000 litres of fuel per annum
- 3.4 Due to the relative low fuel use and considering the anticipated vehicle life expectancy the Whole Life Costing (WLC) model for the electric version doesn't deliver a break-even position when compared to a diesel option.
- 3.5 Using the average annual fuel usage, the anticipated annual CO2 saving will be 2.75 tonnes per annum in year 1 rising to a predicted 10.0 tonnes per annum in year 6 to reflect the anticipated changes of the national grid as it progressively brings more renewable energy sources online. 10.0 t CO2 is approximately 0.1 % of the total CDC baseline emissions.

- 3.6 The current rental cost is £610 per week for the diesel version and this rental contract is renewed annually. The vendor has offered to extend the current contract for the same vehicle for another year or to replace the vehicle with a new model for an increase in rental cost. The rental cost of an electric version is £810 per week.
- 3.7 Due to the close proximity of the CCS depot to the city centre, an electric compact sweeper charge is more than sufficient to support a full shift of operation.
- 3.8 The compact sweeper is used almost entirely to sweep heavy footfall areas including the paved pedestrian present and as such are very visible to residents and visitors to Chichester. There is a general trend across other LA's that these vehicles are moving towards being electric powered.
- 3.9 The existing electrical capacity into the CCS depot is large enough to support the 2 electric refuse collection vehicles currently on order and 2 or 3 additional vehicles of similar size to the compact sweeper.

4 Outcomes to be Achieved

- 4.1 To support CDC's carbon footprint reduction target of 10% each year and provide a visible demonstration to CDC residents that the Council is working towards meeting this target.
- 4.2 To provide a new compact sweeper that fully meets the operational requirement of the street cleansing team and capable of operating at least a full 8-hour shift without requiring to recharge and will be available on average 95% of normal working week.

5 Proposal

- 5.1 That £205,000 be allocated from reserves to enable the procurement of an electric powered compact sweeper, option 3 below.
- 5.2 That a full service and maintenance support package is purchased from the vehicle supplier at an estimated cost of £4,750 pa and that the CCS revenue budget is increased by this amount
- 5.3 That CCS fleet revenue budget absorbs the increase of £1,039 per annum to reflect the change in vehicle ownership, service and maintenance contract and the anticipated reduction in fuel costs moving from a diesel to electric version. As well as an increased contribution to the Asset Replacement Programme to fund subsequent replacements on a six-year cycle.

6 Alternative Options Considered

Table 6.4 below summarises the main financial differences between each of the options listed below.

- 6.1 Option 1: - Continue with current position of renting a diesel compact sweeper including a service and maintenance contract. This option neither delivered a

financial or carbon footprint saving.

- 6.2 Option 2: - Purchase a diesel compact sweeper with a service and maintenance contract. This provided a saving to the current budget position but did not demonstrate a carbon footprint reduction.
- 6.3 Option 3: - Purchase an electric compact sweeper with a service and maintenance contract. This demonstrates a carbon footprint reduction commitment for a relatively small increase to the current budget.
- 6.4 Option 4: -Rent an electric compact sweeper with a service and maintenance contract. This demonstrates a carbon footprint reduction commitment with an increase to the current budget
- 6.5 Option cost table

	Costs per annum					
	Fuel Costs	Hire costs	Service Contract	Capital Cost	Rev cost incl deprn	Budget change
Option 1	£7,600	£31,700	incl	n/a	£39,200	£0
Option 2	£7,600	n/a	£4,570	£115,000	£31,339	-£7,861
Option 3	£1,500	n/a	£4,570	£205,000	£40,239	£1,039
Option 4	£1,500	£42,120	incl	n/a	£43,620	£4,420
Assume 6 year vehicle depreciation						

7 Resource and Legal Implications

- 7.1 Allocate £205,000 from reserves to fund the procurement.
- 7.2 Include in the CCS fleet asset replacement plan a replacement vehicle every 6 years following delivery of the new vehicle.
- 7.3 The procurement process will be undertaken using an approved local authority procurement framework.

8 Consultation

- 8.1 SLT, Carbon Reduction Project Officer and the CCS street cleaning team have been consulted in making the recommendation.

9 Other Implications

Are there any implications for the following?		
	Yes	No
Biodiversity and Climate Change Mitigation	✓	
Crime and Disorder		✓
Human Rights and Equality Impact		✓
Safeguarding and Early Help		✓
General Data Protection Regulations (GDPR)		✓
Health and Wellbeing		✓

Other (None)		

10 **Appendices**

None

11 **Background Papers**

None