

Directorate: COMMUNITIES & THE ENVIRONMENT

Proposal : TWO ELECTRIC REFUSE VEHICLES

PROPOSAL DETAILS

In 20/21 the City Council is due to replace six refuse collection vehicles (RCVs), within the already budgeted vehicle replacement programme. In line with the council's ambition to be carbon neutral by 2030, significant work has taken place to identify suitable electric alternatives to fossil fuelled vehicles.

This proposal is to replace two of the six RCVs due for replacement in 20/21 with electric alternatives that will operate inside Lancaster's Air Quality Management area.

The business case has been based on information from another Council who have placed orders for a significant amount of the same electric vehicles, following an extensive trial.

REVENUE REQUIREMENTS

	2020/21 £	2021/22 £	2022/23 £	2023/24 £
GENERAL FUND				
MRP on two electric lorries	57,142	57,142	57,142	57,142
Electric Charging Infrastructure	5,000	0	0	0
Increase in electricity usage	15,000	15,000	15,000	15,000
Fuel Savings	(9,000)	(29,000)	(29,000)	(29,000)
R&M Savings	(500)	(900)	(1,400)	(1,500)
Vehicle License Savings	(1,305)	(1,305)	(1,305)	(1,305)
Total	46,337	40,937	40,437	40,337

CAPITAL REQUIREMENTS

	2020/21 £	2021/22 £	2022/23 £	2023/24 £
Two Electric Refuse Collections Vehicles	400,000	0	0	0
Total	400,000	0	0	0

COUNCIL OUTCOMES

A Sustainable District	Reducing emissions will contribute to the council's actions to address climate change which will in turn contribute to sustainability of the District.
An Inclusive and Prosperous Local Economy	
Healthy & Happy Communities	The proposal could generate a tailpipe emission saving of up to 74 t(CO ₂ e), contributing to air quality improvements linked to the council's climate emergency.
A Co-operative Kind and Responsible Council	Tackling climate change is the responsible thing to do considering the severity of the situation.

CROSS CUTTING THEMES	
Climate Emergency	Taking steps to address the emergency of climate change is a priority for the Council
Community Wealth Building	
Community Engagement	Leading by example is good way to demonstrate to our residents that we care about the climate change emergency and are taking positive steps to address it. This is critical to gain the support from our communities to act as well.

PERFORMANCE OUTCOMES		
Outcome	Performance Measure	Target
Reduced emissions	CO2 -Reduction in diesel usage -Reduced CO2	28000 litre/yr 74 tonnes /yr