

Zero Carbon and Doubling Nature Action Plan Annual Review 2022-23

Appendix 3 – Key Corporate Decarbonisation Projects

Electric Refuse Collection Vehicles



Greater Cambridge Shared Waste Service's fleet of diesel-powered refuse collection vehicles account for 65% of SCDC's emissions, so this is a key area for the council to reduce its GHG emissions. This is being achieved through a programme of transition to electric refuse collection vehicles (e-RCVs). A new e-RCV has recently arrived at the Greater Cambridge Shared Waste depot, bringing the service's total to three e-RCVs and three electric vans. A fourth e-RCV and an electric road sweeper have also been ordered.

Waterbeach Renewable Energy Network



The WREN project is pivotal to decarbonisation of the refuse fleet and will generate renewable energy to be used by the e-RCVs. The Network includes solar PV panels, battery storage, EV chargers and an energy management system. Good progress is being made; a design review has been completed and pre-commencement planning conditions have been discharged. The project team are now moving into the contracting and construction phases.

Greening of South Cambridgeshire Hall



South Cambs Hall is the council's second largest emitter, accounting for 15% of our GHG emissions. The Greening project addresses this by providing a ground source heat pump, solar carport, EV chargers, LED lighting and efficiency improvements, to reduce the building's annual CO2 emissions 66% by 2030. Works are largely complete pending final proving of some of the systems including the GSHP.

