

Carbon Reduction Projects

Key:
Project Stage

- In discovery (research, fact finding, gather evidence)
- In design (develop techniques/plan for delivery)
- In delivery (executing plan agreed at design)
- Completed (work has been finished)

RAG rating

- Green - action delivery on track/to agreed timelines (may be agreed to start at a later date)
- Orange - some delivery off track/timelines, further work to be completed
- Red - significantly off track/timelines, or may no longer be possible

Action ID	Project Description	Estimated Completion	Project stage	RAG	December 2023 Update
Workstream: Estates					
COM1.1	Beaumanor Hall PSDS: Installation of heat pumps	Mar-22	Completed	Green	Successfully installed and now generating carbon savings.
COM1.2	County Hall PSDS: LED Lighting upgrade, solar PV installation, BMS optimisation, district heat connections and thermal store	Mar-22	Completed	Green	Successfully installed and now generating carbon savings.
COM1.3	Embankment House PSDS: LED lighting upgrade, solar PV installation, BMS optimisation	Mar-22	Completed	Green	Successfully installed and now generating carbon savings.
COM1.4	Phase 1 Wind and Solar Feasibility Study to investigate future wind and solar farm development potential on council land	May-23	Completed	Green	Phase 1 assessed and shortlisted potential sites for renewable energy, phase 2 now underway (see DEL1.4).
COM1.5	Energy efficiency surveys carried out across 61 council buildings to inform the Decarbonisation of Buildings Plan	Oct-23	Completed	Green	Energy surveys will now inform condition and energy reports for each building, which will identify energy efficiency, heating & lighting improvements, these will further inform a prioritised decarbonisation plan for the whole council estate (see DEL1.3).
Workstream: Fleet					
DEL1.1	HVO Fuel Transition: Switch from diesel to hydrotreated vegetable oil (HVO) as approved by DMT (Jan 23) to growth awarded (£100k) and maximise carbon benefits on difficult to transition to electric vehicles, in Waste and Highways.	Mar-24	Delivery	Orange	Currently under procurement and expected to be in place by end of 2023-24 financial year. Estimated completion date revised from March 2023 to March 2024 due to procurement challenges.
DEL1.2	Production of a EV Fleet Transition Plan, to include EV infrastructure and vehicle replacement for all small and light fleet vehicles.	Jan-24	Delivery	Orange	Delivery timescale extended to allow for a robust review of the like for like EV replacement vehicles, needed to inform the infrastructure assessment.
Workstream: Estates					
DEL1.3	Production of a Buildings Decarbonisation Plan, covering 61 gas heated operational controlled properties energy efficiency, heating and lighting improvements	Mar-24	Delivery	Green	Individual building surveys will inform the estate wide decarbonisation plan, drafts in January and finalised in March 2024.
DEL1.4	Phase 2 wind & Solar Feasibility - Investigate future wind and solar farm development potential on 3 council sites	Mar-24	Delivery	Green	Phase 2 underway with more indepth assessments and site visits, expected to be complete by the end of 2023-24.

DEL1.5	Quorn Solar Farm: Build and use solar energy from the farm for council operations	Nov-25	Delivery		Procurement for a energy performance contractor currently underway, with estimated approval to Cabinet in summer 2024. Estimated completion date revised due to complexities in the procurement process.
Workstream: Streetlighting and Traffic Signals					
DEL1.6	Carryout the 18 month dimming streetlights to 30% intensity trial	Jun-25	Delivery		In December Cabinet approved the proposal to trial dimming streetlights to 30% intensity from 20:00 hours for an 18 month period, starting in January 2024.
Workstream: Business Mileage					
DES4.2	Production of a Business Mileage Decarbonisation Plan: to include identification of appropriate solutions and implementation of a travel hierarchy.	TBC	Design		Preliminary data analysis conducted to better understand high mileage teams and individuals. Next step will be discussions with teams identified to better understand their need for business mileage and explore potential solutions. Progress has been delayed due to staff capacity and resource, planned to be progressed from April 2024.