

Action	Details	Delivery timeframe	Completion	Lead officer	Estimated cost	Estimated carbon savings (tCO2e/yr)	Annual savings (£)
FLEET							
Feasibility assessment of driver training and performance measures and their costs/benefits.	Energy Saving Trust will be able to offer more detailed support and guidance on the best measures to take forward.	Q1 2022	Q2 2022	Climate Change & Environment Officer	N/a	N/a	N/a
Explore mechanisms for implementing driver league tables for refuse fleet.	Implement quarterly MPG league tables for waste fleet drivers with appropriate reward incentives.	Q2/3 2022	Implemented by Spring 2023	Service Manager for Waste	N/a	55	1,300
Driver training for all regular fleet driver vehicles e.g. waste/neighbourhood.	All regular fleet vehicle drivers to attend a driver training course once every five years. Previously undertaken as part of the HGV drivers annual 7 hours CPC training with no practical element. May incur overtime costs of training at weekend.	Q1/Q2 2022	Implemented by Spring 2023	Neighbourhoods/ Waste Services Manager. HR managed?	£20,200*	94	45,000
Online driver training module for all pool car users.	All pool car users to undertake a module on eco-driving.	Q4 2022	Ongoing	Fleet Manager/Corporate issue?	TBC	TBC	TBC
Investigate low emission vehicle alternatives to HGV fleet as technology allows in line with proposed review of waste fleet.	As review of waste fleet comes up alternatives to be explored. Likely to be part of Lincs Waste Partnership review.	Q1 2026	-	Waste Services Manager /Lincs Waste Partnership	TBC	1,097*	TBC
As pool car fleet come up for renewal - move to hybrid and EV technology. No new petrol/diesel vehicles to be purchased.	Initial trial of vehicles to coincide with Hub opening.	Q2/3 2022	Ongoing as fleet comes under review	Fleet Manager	TBC due to significant variables in approach	A 2018 report found that petrol vehicles produced the highest level of carbon dioxide (CO2) emissions at 125g per kilometre, while diesel vehicles emitted 122g. Battery electric vehicles in comparison produced zero CO2 tailpipe emissions. Therefore a reduction of up to 125g per km could be achieved. In the UK in 2019, the lifetime emissions per kilometre of driving a Nissan Leaf EV for example were about three times lower than for the average conventional car however these type of comparisons are complex and depend on the size of the vehicles, the accuracy of the fuel-economy estimates used, how electricity emissions are calculated, what driving patterns are assumed etc.	Electric cars typically cost £2 – £4 to fully charge, for a range of 100 miles. An equivalent petrol or diesel car costs £13 – £16 to drive 100 miles – approximately four times the cost. Approx £18,000 per year saving achievable.

Development of charging infrastructure at ELDC sites for operational vehicles. In particular Louth Street Scene & Vehicle Maintenance Depot.	Expanding charge facilities to ensure all depots and office sites are future ready. Fleet EV strategy required outlining potential vehicle types & locations to enable further investigations with DNO, and so that existing electrical infrastructure and space requirements can be assessed - may be achieved via EST review.	2022	Ongoing	Property & Technical Services	TBC as dependent on number/type of charge points and whether any network upgrades required	N/a	N/a
BUILDINGS							
Louth Depot LED lighting replacement.	Implementing findings of ENGIE feasibility study. Lighting design & costs have been requested from Hacer Lighting. Awaiting approval and budget to proceed with detailed design and payback analysis.	Q1 2022	-	Property & Technical Services/Climate Change & Environment Officer	7,903	1.09	£727
Vehicle Maintenance Depot LED lighting upgrades.	Current fluorescents provide poor lighting for mechanics. However upgrading these will improve energy efficiency therefore match funding options are being considered from a carbon reduction invest to save perspective. Lighting costs explored by property services, design and quotation options with revised payback forecast have been provided for consideration. Awaiting approval and budget. Site is an addition to the footprint - will be shown from April 2020.	2022	-	Property & Technical Services/Climate Change & Environment Officer	11,000	TBC	TBC
Investigation of Louth Depot solar PV installation opportunities.	ENGIE feasibility study highlighted potential for solar car port and 19m ² of roof panels but report highlighted distribution and capacity issues will need to be addressed - further discussions highlighted inappropriate roof for solar to be viable.	Q1 2024	-	Property & Technical Services/Climate Change & Environment Officer	100,994	11.6	£7,750
Investigate opportunities to utilise lighting sensors at Louth & Mablethorpe Depot along with any other possible heating and energy efficiency upgrades.	Need to establish whether occupancy sensors will create any H&S operational implications. Louth Depot office currently has heat pump delivering heating and cooling to office block, possible savings replacing with more modern high efficiency outdoor air source unit.	Q1 2022	-	Property & Technical Services/Climate Change & Environment Officer	TBC	TBC	TBC
Mablethorpe Business Centre - investigate possible LED Lighting opportunities & other energy efficiency upgrades.	Leased asset and ELDC areas in footprint are minimal however responsibility to the asset and will need to be given consideration in due course.	2025 onwards	-	Property & Technical Services/Climate Change & Environment Officer	TBC	TBC	TBC
Fairfield Enterprise Centre - investigate possible LED Lighting opportunities & other energy efficiency upgrades.	Leased asset and ELDC areas in footprint are minimal however responsibility to the asset and will need to be given consideration in due course.	2025 onwards	-	Property & Technical Services/Climate Change & Environment Officer	TBC	TBC	TBC

Horncastle Hub - expand electrical capacity by 100kva for potential expansion of the EV charging provision.	Expanding Hub sites beyond initial capacity will require new additional supply. Initial capacity is already factored in to the current capital development.	2024	-	Property & Technical Services/Climate Change & Environment Officer	£20,000	N/a	N/a
Horncastle Hub - future upgrades. Explore options to move across to cloud based servers.	Cooling of server room is energy intensive. Alternative options to be explored.	2026	2026	IT Manager	TBC - enquiry made	TBC	TBC
Horncastle Hub - monitor and understand actual energy usage of the new Public Sector Hub against predicated figures.	As part of the current contract, operational emissions against anticipated building performance will be monitored. TM54 study underway with Willmott Dixon /Anderson Green Consultants. Study in stage 5 design aims to 'bridge the gap' of design and actual on handover. Split metering of all high intensity plant, small power across the building will be monitored by BMS so assessment can be completed after 1st year of occupation. Consider operational energy use targets and energy champions.	2022	Ongoing	Property & Technical Services	N/a	N/a	N/a
LED upgrade of remaining fluorescent luminaries in public toilets.	Survey of sites to be undertaken to establish fitting lamp types, quantities etc.	2024	-	Property & Technical Services/Climate Change & Environment Officer	£3,100*	8	4300*
Upgrade all hand dryers in public toilets to low wattage alternatives.	Already implementing as part of responsive maintenance upgrades when end of life/unrepairable.	Ongoing	-	Property & Technical Services/Climate Change & Environment Officer	TBC	TBC	TBC
Decommission all natural gas fossil fuel fired systems (boilers) for heat generation in buildings where feasible.	Recent Government changes made to the 2021 GHG Carbon Conversion Factors indicate natural gas will increase by +31-32% whilst electricity at minus -9% as UK generation is largely from renewables /nuclear sources. ELDC's Asset Portfolio has a small number of sites (7no.)still on natural gas fuel with the biggest emitters being Tedder Hall and Skegness Town Hall subject to disposal currently. A large proportion of buildings being retained could be converted to low carbon heating systems such as air source VRF subject to suitability of building fabric levels and ease of replacement giving rise to significant carbon savings.	2025	-	Property & Technical Services/Climate Change & Environment Officer	150000	279	TBC

WASTE							
Develop cross alliance single use waste policy.	Audit of current single-use product usage in line with policy development. Service areas may be tasked with addressing their own purchases etc. This in itself will deliver a separate programme of work but is designed to reduce overall waste from assets.	Q1 2022	-	Procurement Manager/Climate Change & Environment Officer	N/a	N/a	N/a
Kettles and fridges should be removed from all offices and depots and must be situated in communal kitchens only.	Following move to Horncastle Hub.	Q3 2022	-	Property & Technical Services	N/a	TBC	TBC
Review of current recycling/waste arrangements.	Following move to Horncastle Hub.	Q3 2022	-	Procurement Manager/Climate Change & Environment Officer	N/a	N/a	N/a
Potential for Anaerobic Digestion plant on Fairfield Industrial Estate.	Possible use of domestic commercial food waste for fuel from waste collection arrangements due to come in shortly. Strategic partnering with Lincs Waste Management to develop scheme? Biogas produced could be used for fleet vehicles. High income possible from electricity generation. Existing ELDC owned agricultural site close to HV DNO network.	2025	-	Property & Technical Services/Climate Change & Environment Team	Considerable	TBC	Considerable
COMMUTING							
Promotion through internal communications of hybrid/electric vehicles for commuting to educate and increase awareness.	Ensure salary sacrifice schemes for low emission/EV vehicles are accessible to employees.	Q3 2022	-	Communications Team/Climate Change & Environment Team	TBC	TBC	TBC
Vehicle sharing incentive scheme.	Implement vehicle sharing incentive schemes as appropriate for staff travelling to offices.	Q3 2022	-	Communications Team/HR/Climate Change & Environment Team	TBC	TBC	TBC
Encourage the maintenance of online meetings, agile working and work from home via policies/internal comms.	Agile working policy in place. Internal comms may be needed to ensure new ways of working are maintained.	Q1 2022	Ongoing	Communications Team/Climate Change & Environment Team/HR	N/a	TBC	TBC
Monitoring of post COVID returns to the office for 12-24 months.	By monitoring year on year footprints post Covid, will identify where old ways of working have slipped back and help to focus how gains can be maintained.	Q1 2022	Q1 2024	HR/Climate Change & Environment Team/Communications	N/a	N/a	N/a
BUSINESS TRAVEL							
Encourage online meetings, agile working and work from home.	Agile working policy in place. Internal comms may be needed to ensure new ways of working are maintained.	Q1 2022	Ongoing	Communications Team/Climate Change & Environment Team/HR	N/a	TBC	TBC

Training all staff & members to use conference technology more effectively to support agile working including new starters.	Teams & telephone conferencing training especially for meeting organisers.	2022	Ongoing	IT/HR	TBC	TBC	TBC
Encourage staff & members to vehicle share when attending business meetings.		2022	Ongoing	Communications Team/Climate Change & Environment Team/HR	N/a	TBC	N/a
Monitoring of post COVID business travel for 12-24 months.	By monitoring year on year footprints post Covid, we will identify where old ways of working have slipped back and help to focus how gains can be maintained.	Q1 2022	Q1 2024	HR/Climate Change & Environment Team/Communications	N/a	N/a	N/a
PUBLIC LIGHTING							
Investigate LED upgrade of remaining LED low pressure sodium lamps on promenade lighting.	Trustville to Sutton on Sea, Mablethorpe - Already LED. Retrofit lamps could be unsuitable solution given luminaire bodies and columns near end of life and require replacement within 5 years potentially.	2024	2024	Property & Technical Services/Climate Change & Environment Team	£6,900	11	£5,800*
Upgrade LED footway lighting with sensors which turn them off for set periods at night.	£60 per column, 2705 columns. Previously considered when LED changes made but discounted at the time. This is a strong invest to save project.	2024	2025	Property & Technical Services/Climate Change & Environment Team	162,300 plus inflation (approx £170,000)	TBC	TBC
Check illuminations have been upgraded to LED and explore options to reduce consumption.	Possible LED & pump savings.	2023	2023	Property & Technical Services/Climate Change & Environment Team	TBC	TBC	TBC
LINKED INITIATIVES							
Carbon Literacy Training to be rolled out to all employees & members.	Top down approach to training all staff with rolling programme of training for new starters. Lincolnshire wide member training being currently explored for consistency.	Q1 2023	Ongoing	Climate Change & Environment Manager/Officer	£11,000	5-10% reduction per person	TBC
Establish Green Champions across the Alliance to assist in the promotion of Carbon reduction measures.	Bringing champions from all services areas together to drive forward projects and improvements and take ownership of their own impacts on organisational carbon footprint.	2022	-	Climate Change & Environment Team	N/a	N/a	N/a
Strategy for tackling residual emissions in line with accredited GHG removal including natural solutions.	As GHG removal initiatives become clearer, routes to tackling residual emissions should be identified.	2025	-	Climate Change & Environment Team	N/a	N/a	N/a
LEADING THE COMMUNITY							
Formation of Boston and East Lindsey Climate Action Network (BELCAN) and Climate Change Strategy.	Facilitated by the Strategic Alliance, BELCAN will bring together private, public and community sectors to jointly tackle climate change.	2022	-	Climate Change & Environment Team/Across Alliance	N/a	N/a	N/a

Community Orchards initiatives.	Formation of small carbon sinks and provision of other environmental and co-benefits. One acre of orchard can absorb 10-20 tCO2 per year.	Ongoing	-	Climate Change & Environment Team	Grant funding secured	TBC	TBC
Working in partnership with Magna Vitae to understand their footprint and to identify reduction initiatives in partnership.	Magna Vitae manage assets for us but they are our buildings and we need to invest in them as appropriate to improve the fabric and reduce emissions.	2022 onwards	-	Climate Change & Environment Team/ Property & Technical Services/MV	N/a	TBC	TBC
Embodied carbon strategy for new developments.	New buildings which are more energy efficient need to be understood alongside the payback of the materials used in their development.	2024	-	Climate Change & Environment Team/ Property & Technical Services	N/a	N/a	TBC
Full emissions consideration for ensuring net zero aspirations are part of supplier contracts/services through procurement policies.	Understand the impact of our wider emissions through everything we procure. As appropriate, require suppliers to meet particular carbon emissions standards.	2024	-	Procurement Manager	TBC (A study looking specifically at these emissions is likely to cost in the region of £10,000)	TBC	TBC

* figures proposed by Carbon Trust as part of their review but will need further investigation