

Action	Details	Delivery timeframe	Completion	Lead officer	Estimated cost	Estimated carbon savings (tCO2e/yr)	Annual savings (£)	Progress to date
FLEET								
Complete Fleet Review currently underway exploring opportunities for decarbonisation of commercial fleet vehicles.	Midlands Net Zero Hub analysing data provided on current waste/neighbourhoods fleet (<i>this includes smaller vehicles such as small-medium size vans and cage trucks as well as HGV's but does not include any newly purchased RCV's and/or new food waste collection vehicles</i>) to establish the possibility and cost analysis of electrification of relevant vehicles. Electricity consumed should be acquired from renewable sources. SHDC could ensure this through purchasing green electricity if not already doing so, and the grid over time will become cleaner.	Q1 2025	Q3 2025	Environment and Sustainability Officer	Further information to be provided as part of Fleet review	Further information to be provided as part of Fleet review	Further information to be provided as part of Fleet review	In progress
Following Fleet Review determine next steps for electrification of HGV fleet, RCV's etc including potential bid to Electrification of Depots feasibility programme in Q2 2025.	Consultation with DNO (district network operator) will be required to determine grid capacity for charge points. depots will also have to be checked for suitability, space etc	2025	2026	Sustainability and Environment Officer	Consultation/connection application is free of charge	N/A	N/A	To progress
Once feasibility studies are complete look to a gradual replacement of current diesel fleet with zero emission vehicles as and when each vehicle has reached a point where replacement is required. This should include LCVs and RCVs	All new vehicles to be zero emission by 2035 with an interim target of 70% by 2030 (LCV's only). Sale of new non EV HGV's up to 26t will be banned by 2035 with all other HGV's following by 2040. Target set by central government and may be subject to change.	2026	2035	Fleet Manager/Sustainability and Environment Officer	If all LCVs were transitioned to battery electric, the capital cost would be £202k If the entire fleet was transitioned to battery electric, the capital cost would be £7.1m.	744t if entire fleet replaced	£39K LCVs £54k HGVs	To progress
Investigate feasibility of transitioning the fleet to other low-emission sources such as hydrogen etc as an interim measure prior to electrification	Would result in significant emission reductions and should be done alongside EV and HVO (hydrotreated vegetable oil) as part of a wider project to decarbonise the fleet.	2025	2026	Fleet Manager/Sustainability and Environment Officer	Further information to be provided as part of Fleet review	Further information to be provided as part of Fleet review	Further information to be provided as part of Fleet review	To progress
Review strategic placement of electric charging infrastructure at SHDC sites for operational vehicles.	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.	2025	2035	Strategic Operational and Property Manager/Climate Change Team	Further information to be provided as part of Fleet review although it is estimated that each charging point will cost approx. £25k	Further information to be provided as part of Fleet review	Further information to be provided as part of Fleet review	To progress

Analyse refuse collection timetable to identify opportunities for route optimisation, which could result in reduced fuel consumption.	Potential emission savings of 17% for variable route optimisation reported. Routes are planned via the BARTEC system but review underway due to imminent implementation of food waste collection and the move from bags to Wheelie bins.	2025	2027	Waste Service Manager	TBC	TBC - estimated savings of up to 17% for variable route optimisation	TBC	In progress
Identify and instigate feasibility studies on other options for fleet decarbonisation such as electric bin lifts for new food waste vehicles and "solar mats" .	Solar Mats provide electricity to electrical systems on board. These work on the same principle as Rooftop PV. Neighbouring councils currently trialling that could provide practical case studies	2025	2027	Waste Service Manager / Climate Change Team	Solar mats approx. £4k per vehicle	Solar Mats 6 TCO2e per year based on fuel saving of 400l per vehicle per year	Solar Mats estimated £550 per year per vehicle	To progress

BUILDINGS

Feasibility studies to be undertaken to investigate possibility of installing Variable Speed Drives and /or other technology that improves energy efficiency of motors and pumps, for example Air Handling Units	Assets lists required for each site to determine what equipment is in place and what improvements can be identified. If data not available site surveys would be required at cost of approx. £2k	2025	2026	Environment and Sustainability Officer	Approx £2k for surveys. Cost of installation will follow on from survey	To be identified once feasibility study completed	To be identified once feasibility study completed	To progress
To progress any remaining LED upgrades/lighting sensors at SHDC sites	Any outstanding upgrades to be implemented. May be subject to feasibility assessment of sites if information not currently held. 80% complete ongoing	2026	2027	Strategic Operational and Property Manager	To be identified once feasibility study completed	To be identified once feasibility study completed	To be identified once feasibility study completed	In progress
Develop heating decarbonisation plans for council owned depots/buildings. This should include investigating options for replacement of existing boilers for more sustainable heating options.	Using methodology supplied by Midlands Net Zero Hub (Catapult project) to determine feasibility and to assist in any future funding applications e.g. Salix. Feasibility work can be undertaken with any implementation proposed post LGR timeframes	2026	2028	Strategic Operational and Property Manager	Further study required	Further study required	Further study required	To progress
Conduct a solar PV feasibility study for owned sites to assess opportunity to generate own electricity from renewables.	Solar panels have the potential to significantly reduce electricity consumption. South Holland Centre has been highlighted as a suitable candidate but as yet no enquiries have been made regarding costs. Both depots to be considered	2025	2030	Strategic Operational and Property Manager	Feasibility study required	Feasibility study required	Feasibility study required	To progress

Conduct energy audits of owned site/buildings to identify opportunities to enhance fabric and improve energy efficiency to reduce electricity and gas consumption.	Engage with consultants if required to undertake site assessments. Could be done in conjunction with MNZH as part of the "Catapult Project" for building decarbonisation. Up to 3 buildings can be assessed free of charge following from data gathering and analysis. Feasibility work can be undertaken with any implementation proposed post LGR timeframes for anything not considered a 'quick win'	2025	ongoing	Strategic Operational and Property Manager	Feasibility study required	Feasibility study required	Feasibility study required	To progress
Ensure any proposed new council-owned buildings (SHDC offices/depots etc) are designed to be low carbon.	Number of planning approved buildings meeting low carbon standards. Future Home Standards and above, or aligned with LETI and RIBA targets. There are currently no plans to expand the SHDC operated property portfolio.	2025	ongoing	Strategic Operational and Property Manager	not applicable at this time	not applicable at this time	not applicable at this time	To progress
Retrofit council-owned commercial units (leased to third parties) to meet minimum energy efficiency standards	Energy consumption from commercial units is not a significant emission source, but carbon can be reduced by making units more energy efficient. Currently no plans to upgrade these buildings but future legislation may determine that commercial EPC rating must be C or higher - currently under discussion. A property service charge pays for general repair & maintenance but does not cover energy efficiency improvements. A feasibility study/energy audit should be undertaken if funding made available.	2025	2030	Strategic Operational and Property Manager	Awaiting further details	To be determined following feasibility study/energy audits	To be determined following feasibility study/energy audits	In progress
Identify if electricity supplied to SHDC buildings is from renewable sources. Both ELDC and BBC purchase their electricity through green energy suppliers.	SHDC should source Green electricity if not already doing so. Check with suppliers and identify possible options.	2025	2026	Sustainability and Environment Officer/PSPS finance	N/A	to be confirmed	to be confirmed	To progress

Investigate the decommissioning all natural gas fossil fuel fired systems (boilers) for heat generation in buildings where feasible.	Recent Government changes made to the 2021 Green House Gas 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. Buildings being retained could be converted to low carbon heating systems such as air source heat pumps subject to suitability of building fabric levels and ease of replacement giving rise to significant carbon savings. This is particularly relevant to the 6 boilers located in Priory Rd's roof space	2028	2035	Strategic Operational and Property Manager	Feasibility study required	Feasibility study required	Feasibility study required	To progress
--	---	------	------	--	----------------------------	----------------------------	----------------------------	-------------

SOCIAL HOUSING

Develop a long term Strategic Plan for rollout of solar PV on housing stock.	Solar panels have the potential to significantly reduce electricity consumption. Work already being delivered on this through SHDF programme. Strategic Plan to get housing stock to Net Zero in line with Council target needs to provide strategic plan for the asset portfolio.	2025	2040	Housing Manager	approx. 6.5-9k per property	Based on 2 bedroom mid terrace: 1.5 tonnes CO2e per year		In progress
Complement retrofit of social housing with engagement with residents on energy saving measures, through training, communication materials and other forms of support.	Behavioural change is a key part of Net Zero journey and can result in significant carbon reductions through resident engagement and opportunities to encourage them to adopt energy-saving habits. Home Energy Advice and Retrofit Team will be working in the area supplying energy advice and guidance. Consider using Tenants Newsletter as a vehicle for engagement to promote energy efficiency in the home. Propose workshop with LEAD/Housing team.	2025	2027	Home Energy Advice and Retrofit Team / Housing Team	N/A	878kg CO2e = 4129kwh saving if standard advice followed	£508 per annum	To progress
Improve the energy efficiency of social housing stock identified to have an EPC D rating or lower through implementation of fabric measures and low carbon heating	Work already underway to 615 homes under SHDF Wave 3. Strategic Plan to deliver continued upgrades with a close eye to any legislation changes to minimum EPC levels for rented properties.	2025	2030	Housing Manager	Allocated £5.4m matched (so £11.7m for Wave 3 in total	EPC rating improvement from E-D on average equates to 1.7t CO2e per year	£671	In progress

Replace gas boilers/solid fuel in social housing with heat pumps and/or district heating depending on feasibility studies.	Switching away from a fossil fuels will in the long term result in large carbon savings as the grid decarbonises. A significant proportion of the social housing stock currently have gas boilers installed. Currently concentrating on "off gas" properties using ASHPs the preferred option	2025	ongoing	Housing Manager	approx. 20k per property.	Average 13% reduction annually	£290	In progress
Energy efficiency upgrades to package sewage treatment works	SHDC manage a number of small package sewage treatment plants removing waste from their housing stock. Investigate possible energy efficiency upgrades including Solar panel installation to reduce energy consumption. Also look at improvements to associated on site pumps/motors.	2026	ongoing	Housing Manager	tbc	tbc	tbc	To progress
Encourage rollout of smart meters and home displays within housing stock through education and awareness programme.	Ultimately the decision as to whether to implement is down to individual residents however should be encouraged and could be a policy to implement in void properties.	2025	Ongoing	Housing Manager	N/A	Government figures suggest average savings of approx. 3% on both gas and electricity		To progress

WASTE

Reduce single use plastic use across the Council through the implementation of the Sustainable Procurement Strategy.	As emissions from goods procured are not currently quantified, we have assumed these emissions could be medium level (as set out in WSP's original carbon reduction plan)as there might be a substantial procurement of single use materials but it's currently being addressed with the implementation of the policy.	2025	ongoing	Sustainable Development Officer/Procurement	N/A	TBC	TBC	In progress
Extend sustainable procurement policy to include prioritising suppliers with strong environmental credentials and integrating sustainability criteria into vendor selection to reduce emissions	Adhering to a robust sustainable procurement policy will contribute to a reduction in Scope 3 emissions (which are not currently calculated).	2025	ongoing	Sustainability and Environment Officer/Procurement	N/A	TBC	N/A	In progress
Increase recycling across the council's estate through improved recycling facilities and communications and advocacy. Ongoing for offices - phasing in recycle bins - household waste as per central government.	Currently emissions from waste do not represent a significant source of emissions, however estimations did not include waste processed by the council generated by households/businesses, which would increase the carbon emissions estimates. If these are currently not recycled the impact of recycling could be considerable.	2025	ongoing	Sustainability and Environment Officer/Facilities Manager	N/A	TBC	TBC	In progress

COMMUTING/BUSINESS TRAVEL

Promote uptake of EVs and cycling amongst employees through provision of discounts and behavioural incentives.	Ensure all staff are aware of the scheme, how to access and consider case study examples of employees that have taken it up.	2025	2026	Communications Team/Climate Change & Environment Team	N/A	Further study required	Further study required	In progress
Introduce a sustainable business travel policy, introducing a sustainable travel hierarchy. The higher up the hierarchy, the more sustainable and greener the travel option. This would prioritise digital communication, where possible, over travelling, and if travelling is unavoidable then public transport/car sharing and active mobility where feasible.	Comms piece to support this is required.	2025	ongoing	Communications Team/Climate Change & Environment Team/HR	N/A	TBC	TBC	In progress
Encourage the continuation of online meetings, agile working and working from home to ensure gains already seen since Covid continue to be realised.	Agile working policy in place. Internal comms may be needed to ensure new ways of working are maintained. Behavioural change monitored annually through Carbon Footprint process.	2025	ongoing	Communications Team/Climate Change & Environment Team/HR	N/A	TBC	TBC	In progress
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 and to ensure part of induction process on a continued basis.	2025	ongoing	IT/HR	N/A	TBC	TBC	In progress
PUBLIC LIGHTING								
Footway lighting	Public lighting LED upgrade currently underway currently at 50%. Expected to be 60% by end 2025. LED's use up to 80% electricity when compared to standard lighting.	2020	2030	Strategic Operational and Property Manager	£250,000	Changing from a standard bulb using 116kwh to an equivalent LED bulb using 17Kwh saves approx. 54kg CO2e per year	Expected to reduce energy costs by 50%	In progress
LINKED INITIATIVES								
Carbon Literacy Training or other Energy/Climate Change awareness training to be rolled out to all employees & members.	Top down approach to training all staff with rolling programme of training for new starters. Initial rounds of member training have now been delivered. Circa 100 staff and members trained to date across SELCP. A new model being considered for online training delivered via e-learning platform so all staff receive.	2025	2027	Climate Change & Environment Manager/Officer	£2,500 annually	5-10% reduction per person	TBC	In progress

Establish Green Champions group 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.	2025	ongoing	Climate Change & Environment Team/Arts & Culture Programme Manager	N/A	TBC	TBC	To progress
Strategy for tackling residual emissions in line with accredited Greenhouse Gas removal including natural solutions.	As GHG removal initiatives become clearer, routes to tackling residual emissions should be identified.	2026	ongoing	Climate Change & Environment Team	TBC	TBC	N/A	To progress
Encourage and enable energy saving/low carbon behaviour by all council staff. This would focus on recycling, switching off electrical devices including lighting when not in use if sensors are not in place.	Behavioural changes is a key part of any strategy and small gains by all staff will contribute to the bigger whole from an emissions perspective as well as financial benefits.	2025	ongoing	Climate Change and Environment Team	N/A	TBC	TBC	To progress
SELCAN (South East Lincolnshire Climate Action Network) to continue driving forward climate action across our sub-region. Supporting businesses and communities to better understand their carbon footprints and improve the sustainability of their operations.	SELCAN brings together private, public and community sectors to jointly tackle climate change and fill in the gaps through stronger networking and pooling of resources.	2025	ongoing	Climate Change & Environment Team	N/A	TBC - dependent on specific projects being worked on	TBC	In progress
Embodied carbon strategy for new developments. Not currently relevant as no new builds planned	New buildings which are more energy efficient need to be understood alongside the payback of the materials used in their development. Local Plan Review currently on hold due to changes in central government, this may need to be taken forward in line with this review.	On hold pending Local Plan Review /Planning reform	-	Climate Change & Environment Team/ Property & Technical Services	N/A	N/A	TBC	To progress
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. Social Value Engine now in place & Sustainable Products Policy is included in the Procurement Strategy.	Ongoing	Ongoing	Procurement Manager	TBC (A study looking specifically at these emissions is likely to cost in the region of £10,000)	TBC	TBC	To progress

Continue/expand rollout of battery boxes - an energy storage system which stores excess renewable energy and exports it back to the electricity network when applicable	8 sites in the process of installation to be completed end 2025. 13 units in total to be installed. Units installed on SHDC land located near electricity sub stations. Planning applications required	2024	2026	Strategic Operational and Property Manager	0 cost	80t CO2e per annum per unit - 1040t per annum when all units installed	Generates income of either one off payment of £10k or £1k per year over 30 years	In progress
---	--	------	------	--	--------	--	--	-------------