

Lincolnshire County Council Carbon Management Plan 4 - Summary

February 2024



THE CMP4 ROADMAP



PROGRESS REVIEW

Targets and policy context



- LCC has historically exceeded its committed carbon reduction targets.
- At the close of CMP3 in 2023, LCC had achieved a 44.9% emissions reduction compared to the 2016/17 baseline (see Figure 1)
- This result exceeds the 20% interim reduction target for the CMP.



- UK Government's target is to reduce carbon emissions by 68% by 2030 and 77% by 2035, compared to 1990 levels.
- LCC's performs well in comparison to other local authorities in similar size and population.



- LCC's Green Masterplan acts as a framework for the delivery of wider net zero and sustainability action.
- The plan's principles can be utilised to enhance LCC's approach to the decarbonisation challenges.

LCC Progress against target

Significant progress has been made against LCC's target, attributable to:

- grid decarbonisation
- a successful LED street lighting program
- Transition of some schools to academy schools

These trends show that LCC will not be able to rely on a 'business as usual' approach to meet its targets. Rather, it will need to deliver strategic and impactful change across its estate and services.

Figure 1 – LCC annual emissions 2016/17 – 2022/23

LCC emissions by sector 2022/23

Emissions sources are split by scope category (1, 2, 3). The pie chart below sets out LCC's emissions for 2023/22.

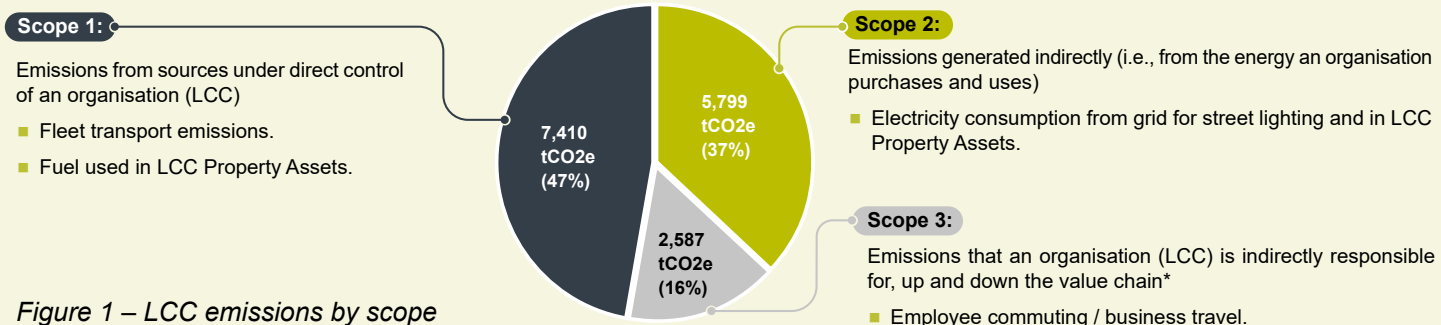


Figure 1 – LCC emissions by scope

DELIVERY APPROACH AND TIMELINE

CMP4 presents a phased delivery of actions

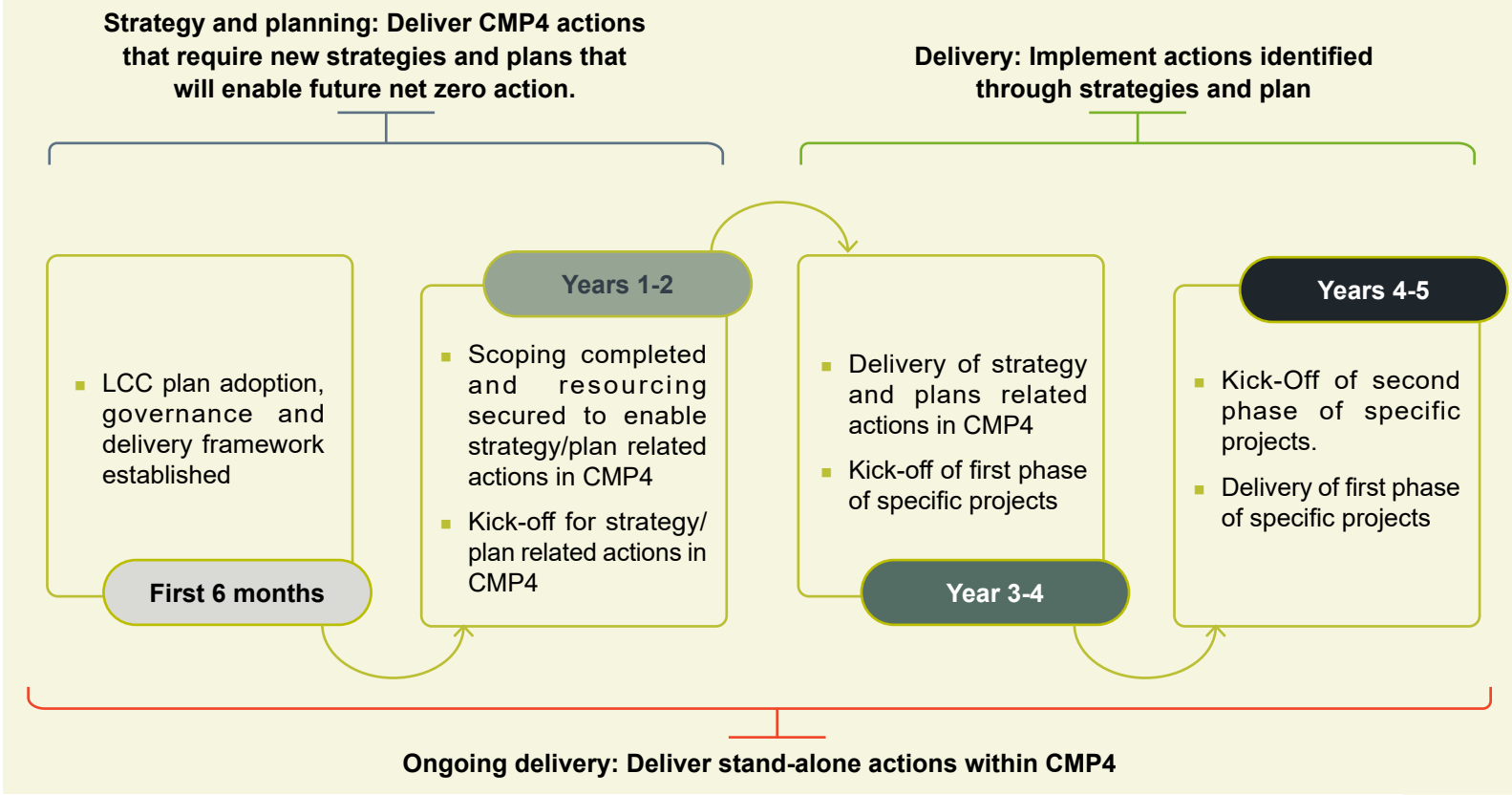
The delivery approach for CMP4 is presented in distinct phases

- Strategy and planning (which captures many of the enabling actions)
- Delivery of first and second phase actions
- Ongoing delivery

This approach is summarised in Figure 3 and reflects that many of the actions in CMP4 are to establish a strategy or plan. This planning and strategy phase is required to inform and prioritise future delivery focussed actions.

Stand-alone delivery actions that are not dependent on a wider strategy or plan will continue to be delivered throughout the lifespan of the CMP.

Figure 2 – CMP4 action delivery approach over period of plan



ACTIONS AND PRIORITIES OVERVIEW*

	 Buildings and Infrastructure	 Energy and Lighting	 Transport	 Governance, delivery & communication
Enabling actions	- Develop an approach and delivery plan for LCC property to optimise and rationalise the estate. - Develop a clear strategy, high-level programme of works and associated potential funding approaches for building improvements across the LCC estate. - Develop an approach to net zero / decarbonisation in the construction sector, that aligns best practice frameworks (PAS 2080), and LCC capital works program.	- Implement identified energy decarbonisation measures across the 20 priority properties. - Develop an energy strategy that considers the use of green energy to supply LCC estates and operations. - Review estate to identify potential local heat generation opportunities and the related network requirements and options for potential upgrades in line with the UK Government Heat Networks Zoning Pilot.	- Develop a Corporate Sustainable Travel Policy that aligns with LCC's transport strategies, the sustainable travel hierarchy and transport related net zero targets. - Develop EV Infrastructure Plan for delivery across LCC's estate (that includes funding and delivery approaches). - Incorporate whole life carbon appraisals into transport network management and development to ensure low carbon decision are taken.	- Review Green Master Plan with intent to define how the principles apply to delivering those within CMP4 and to support the Sustainability Board in ensuring is delivered most effectively for LCC. - Review LCC net zero target definition and internal emissions accounting (including inputs and scope classification) to ensure it aligns with best practice. Incorporate interim targets to track progress against 2050 target. - Embed carbon management and adaptation into outline business cases (OBCs) and throughout projects by developing a clear set of questions to be considered on projects. - Incorporate enhanced net zero decarbonisation requirements within future procurement exercises. - Develop a programme of net zero communications and staff engagement that is delivered alongside CMP4.
Delivery actions	- Implement identified decarbonisation measures in the Decarbonisation Report across the 20 priority properties - Deliver the Lincolnshire Net Zero Secure Childrens Home and incorporate lessons learned from project into future capital projects. - Deliver the Orchard House B Refurbishment and incorporate lessons learned from project into future decarbonisation of the LCC estate.	- Develop and deliver programme of student and community engagement in schools to promote energy saving and sustainable practices. - Convert the remaining 10 percent of lighting ballasts to LED across the LCC estate. - Undertake scoping and, if feasible, deliver solar provisions into street lighting.	- Explore use of alternative fuels (vehicles) for LCC light fleet alongside a funding approach. - Assess the feasibility of decarbonised technologies for heavy fleet / gritters (i.e. EV or hydrogen vehicles) to better understand applicability for LCC and to incorporate into net zero fleet plan alongside a funding approach. - Utilise procurement and supplier engagement to introduce suitable decarbonised vehicles into the LCC fleet via a phased fleet replacement approach.	<i>* The actions listed here are key actions provided to give an example of the focus and scale of action set out in CMP4. Please see the full action list for further detail.</i>

