

Green Master Plan

Our commitments for a zero carbon Lincolnshire

Working for a Better Future

1. DON'T WASTE ANYTHING

This means

1. Following the *Reduce – Reuse – Recycle- Rot* ethos for both domestic and commercial waste. www.recycling-guide.org.uk
2. Thinking about energy usage at home and work and switch off appliances and review timings for heating. www.energysavingtrust.org.uk
3. Thinking about using public transport if possible, also can you cycle or walk to your destination. Reduce business miles by using video conferencing if possible. www.energysavingtrust.org.uk/mileage/reducing
4. Thinking about what you are buying do you need it. Beware of the urge to buy one get one free as often the second one is wasted without proper meal planning. At work before something is procured do you really need the item or can you reduce the amount you are ordering.
5. Collaboration of organisations procuring together can give savings on the scale of economies and also the officer time as the process is streamlined. <https://local.gov.uk/national-procurement-strategy/making-savings>

2. WHAT ARE THE WIDER OPPORTUNITIES?

This means

1. Trying to look at the bigger picture to see if there are opportunities for partnership working.
2. Working with other services within your organisation as in many cases services are being delivering to the same client and joint working can deliver savings.
3. Working with other organisations to deliver savings by avoiding duplication i.e. multiple agencies visiting a client when one agency may be able to visit and provide multiple information.
4. Achieving multiple benefits – making money go further
5. Working together with other Districts/Public Sector bodies to secure funding.
6. Working together to secure funding
7. Is the natural environment in a better condition than at the start – cause no harm

3. TAKE RESPONSIBILITY & PRIDE

This means

1. Leaving the natural environment in a better condition than found.
2. We are custodians for the future - *We do not inherit the Earth from our ancestors; we borrow it from our children.*
3. Doing the right thing as an organisation by setting an example.
4. Causing no harm to the environment and where possible enhancing it.
5. Having a strong Corporate Social Responsibility.

Boxes will drop down when you click on one of the 3 themes

DON'T WASTE ANYTHING – Case Studies

Lincolnshire County Council (LED Street Lighting Upgrade)

In Early 2018 it was decided after a successful previous rollout of LED street lighting a further rollout would proceed to replace just over 25,000 street lights with LED.

LED street lighting is more efficient leading to a reduction in finances and carbon emissions but it also provides a better quality of light and requires less servicing and has a much longer life span than the sodium lamps they replace.

The £3,055,470 project funded through Salix Finance and street lighting involves replacing sodium ballasts of 25,010 street lights with LED replacements over a six year period. The project covers all the purchase and replacement costs leading by year six to annual saving of £407,605 and 1,057.80 tonnes of carbon.

At present the project is in its third year of delivery with all units being replaced by the end of March 2024.

District Councils (Paper and card collection)

Three of the partner Waste Collection Authorities (WCAs) - Boston Borough Council, North Kesteven District Council and South Holland District Council volunteered to run pilots and give an understanding of the feasibility of implementing this two stream collection option countywide.

The trial commenced in September 2019 with the WCAs undertaking the collection of paper and card in a separate dedicated receptacle (bin or bag). 7,500 households were selected to be a part of the trial consisting of a mix of urban, semi-urban and rural properties with the paper and cardboard being collected was sent directly to a paper processor.

Supporting the operational roll out has been a comprehensive set of education, engagement and communication activities and the results of the trial after the 12 months are as follows:

- 444.82 tonnes collected (equivalent to 1.35kg per household per week)
- Presentation (participation rate) - 96.3%
- Of those bins/bags presented - 97% have been collected (i.e. contained the right things)
- Quality levels of 98.5% quality paper and card (newspaper/cardboard/mixed papers)
- Moisture levels of less than 8% - a requirement of the paper mill we send it to

Separate collections of paper and card will now be rolled out on a district-by-district basis and it is anticipated the first authority will begin separated collections in Spring 2021.

Community

Mint Lane Café, Lincoln

Mint Lane Café is a community kitchen that supports Lincoln residents with affordable hot lunches that have been made from supermarket surplus stock. They offer friendship through food and encourage customers to sit and chat with new people while they enjoy a home cooked lunch. This community run project supports food waste by preventing edible food from becoming discarded and

community wellbeing by providing a safe and friendly environment to have an affordable hot lunch four days a week. They also have a small, but growing, shop selling dry, fresh and frozen products that customers can use at home. A number of Lincoln businesses supply the shop and café with their unsold or damaged bakery goods, which don't quite meet their exacting standards for their own customers, but are still perfectly safe and delicious for resale at a much reduced price. Lincoln University's agriculture campus supplies their fresh produce and much of what is for sale in the shop is organic and plastic-free.

The café and shop are available to everyone and currently open Wednesday-Saturday from 10am-3pm. It costs £3 for a three-course hot lunch and if you are able to afford more you can donate or purchase 'pay it forward' vouchers to support other members of the community. The café has space for 20 seated customers, but there are plans to expand and develop an outdoor seating area with room

What are the wider opportunities? – Case Studies

Lincolnshire County Council

Developing Water Catchments Resilience to climate

As the climate changes we are facing some considerable challenges in managing water, we can have too much of it (during flooding events) or not enough (during times of drought). This project is designed to support 20 businesses to reduce their risk of flooding as well as improve the conservation status of some of our fenland habitats.

The project is a partnership between Lincolnshire County Council, Black Sluice Internal Drainage Board and the Environment Agency. The primary goal is to set baseline water catchment data and use it to model the implications of water fluctuations and share that information with those who need to understand water volumes (such as farmers). Ultimately by better understanding water distribution we should reduce the need to move water around. Moving water around is both costly and has a high carbon footprint so the less we need to do it the better for the environment.

District Councils

Sustainability Officers Working Group

In March 2020 Lincolnshire's Council leaders approved the formation of a Lincolnshire wide sustainability officers working group with sustainability representatives from each council. This group are currently working together to share information and identify opportunities to work together. This could save money, time and effort. The group are currently reviewing Lincolnshire wide carbon data and exploring modelling opportunities as well as identifying data sources to contribute to our understanding of Lincolnshire emissions.

Community

In February this year various community groups took the opportunity to get out into nature and plant trees at a former land fill site. The event was hugely successful and over 2000 trees were planting creating new woodland for future generations.

Working for a Better Future

Commitments for Zero-Carbon Lincolnshire

< Links to Front page/homepage >

3. Take Responsibility and Pride

"We do not inherit the Earth from our ancestors; we borrow it from our children"

Everybody needs to take responsibility for their part of the World. Lincolnshire has a lot to offer and there are many reasons to be proud of the county. Being proud of Lincolnshire makes it easier to take responsibility for its protection and improvement.

If every resident pledges to leave their part of Lincolnshire in a better condition than when they found it and act as custodians of the future then the natural environment has the opportunity to thrive. Our natural spaces will have the chance to flourish with new and mature species, and invite a wide range of creatures to make Lincolnshire their home.

Looking after the natural environment is the right thing to do. It is crucial to look after our natural world to minimise the impact of climate change and preserve our way of life. As organisations our responsibility runs deeper. We need to ensure that our activities do not cause harm and that we take responsibility for the sustainability of the whole value chain.

Examples:

Lincolnshire County Council - Low Carbon Lincoln Castle

Lincoln Castle is exploring opportunities so that they can become a low carbon visitor attraction by 2030. They are working with Lincoln based consultants Delta-Simons to understand where their biggest environmental impacts currently are and some of the ways these could be addressed. In conversation with staff, volunteers and visitors they hope to unearth some innovative ideas that can help with the transition to net-zero over time. Museums shape our view of the world and are ideally placed to make a difference. They help us understand who we are and the world in which we live. They influence how we think and the way in which we behave. They are, therefore, key to shaping attitudes towards all sorts of contemporary issues. They are unique in having responsibilities to people of the past, present, and future to ensure that collections remain in good shape and accessible for years to come.

Partners – GLNP, Lincolnshire Records Centre

Community – Plastic Free Communities [Students for Climate (school strikes, email group)]

Plastic Free Communities are popping up all over Lincolnshire (currently Caistor, Keelby, Lincoln, Horncastle, Mablethorpe & Sutton on Sea, Skegness, Grantham, Barrowby, Sleaford, Boston, Spalding, Stamford). This is part of a campaign organised by Surfers Against Sewage that aims to eliminate single-use plastic from our communities and stop the tap of plastic ending up in rivers and seas. The campaign works with businesses, community groups and householders to educate and offer more sustainable alternatives to single-use plastic locally. The groups are run by local leaders who are proud to volunteer in their communities to make a positive difference in their area.

Louise Brown, co-leader for Plastic Free Lincoln, says that she is only able to make a difference in her patch of the world and was inspired to act for the benefit of her children. If every community can act in a similar way, then globally we can make a huge impact.

<Links to SAS website, Facebook pages>

Data

Lincolnshire County Council (Carbon Management Plan 3)

Following on from two previously successful CMP's which have seen a 46% reduction from our 2005/06 baseline by 2017/18 LCC worked with the Carbon Trust in 2017-18 to develop a 3rd carbon management CMP3 (2018-2023). This CMP commits LCC to a target of reducing its 2016/17 baseline of 28,679 by 20% between 2018 and 2023, and underpins potential financial savings to the organisation of around £1.1m over this period. Links for CMP3 and its summary document are below.

[Carbon management plan](#)

[Carbon management plan summary](#)

Lincolnshire Wide Carbon Modelling

Lincolnshire Wide Carbon Baseline – sus officers working group example

A creation of a one off Lincolnshire wide carbon baseline that included LCC & the Districts with potentially other public bodies i.e. Police, NHS and Lincoln University could identify areas of carbon emissions that would benefit from joint working. This has been done for waste where a Lincolnshire wide waste carbon footprint led to the identification of areas of high carbon emissions as well as areas that would benefit from joint working.

District Councils

Links to information on each of the Districts Carbon management plans or other climate documentation is below:

- **Boston Borough Council** (Climate emergency declaration)
 - <https://www.mybostonuk.com/boston-borough-council-declares-climate-emergency/>
- **City of Lincoln Council** (Vision 2025 Strategic Plan)
 - <https://www.lincoln.gov.uk/downloads/file/851/vision-2025-strategic-plan>
- **East Lindsey District**
 - Awaiting a link to their CMP
- **North Kesteven District Council** (Carbon Management Plan)
 - <https://www.n-kesteven.gov.uk/your-council/how-the-council-works/key-plans-strategies-and-policies/policies/climate-emergency-strategy-and-action-plan/>
- **South Holland District Council**
 - Awaiting information
- **South Kesteven District council** (Carbon Management Plan)
 - <http://www.southkesteven.gov.uk/CHttpHandler.ashx?id=26489&p=0>

- **West Lindsey District Council** (Carbon Management Plan)
 - <https://www.west-lindsey.gov.uk/my-services/my-community/sustainability-climate-change-and-environment/carbon-management/carbon-management-plan/>

Lincoln Climate Commission – Find link

The Lincoln Climate Commission emerged from collaboration with the City of Lincoln Council, Siemens, Transition Lincoln and the University of Lincoln with an aim to make Lincoln zero carbon by 2030. The link below

- <https://www.lincolncclimate.org.uk/>

Lincoln University

- <https://estates.lincoln.ac.uk/sustainability/energy-and-carbon-management/>

Lincolnshire NHS

- <https://www.ulh.nhs.uk/about/board-meetings/october-2016/item-9-3-sdmp-trust-format-ver-8-4-to-tb-draft-clean/>

Lincolnshire Police

- **Carbon Management Plan about awaiting approval. If public document link will follow.**

Local Authority and regional Carbon emissions

Data exists at District Council level for per capita carbon emissions and this data historically goes back to 2005. The data has a 2 year lag but is useful as it breaks down emissions into domestic, commercial and transport emissions so it is possible albeit only at fairly high level to see changes over time. The data can be found at the link below:

- <https://www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-to-2018>

Leadership

Individual organisations will have their own project management and strategic boards, but it is important that Lincolnshire activity is coordinated and there is a clear picture of what action is taking place where.

Lincolnshire County Council has established an Environment Programme Board, which oversees the strategic direction for Lincolnshire County Council activity and is accountable for reporting on the organisation's carbon emissions. The sustainability team takes on the coordinating and reporting role at Lincolnshire County Council and will advise services about how they can respond to climate change impacts and bring their service operations to zero-carbon emissions. Key parts of the Lincolnshire County Council organisational scope of the Green Masterplan will be led by separate delivery groups, these will include, but are not limited to, the Lincolnshire Waste Partnership, the corporate transformation programme board, corporate property services, IMT and HR.

At a Lincolnshire local authority level, with all district councils and the county council coordinating effort, the Council Leaders and Chief Executives Group will provide the strategic overview. They have supported the recommendation to re-establish a countywide sustainability officers group. This group will bring together the range of ambition and action happening across the county and find ways to work in collaboration to share workloads and financial contributions as much as possible. There are already many established delivery groups that have membership from variety of public sector partners, these continue to be a crucial way to deliver the ambitions of the Green Masterplan, including; Lincolnshire Waste Partnership, Greater Lincolnshire Nature Partnership, Central Lincolnshire Planning Group, Greater Lincolnshire Local Enterprise Partnership and Flood Risk and Water Management Partnership.

In the community and for Lincolnshire businesses

	Green Masterplan Governance Structure		
	Influence →		
	LCC internal governance for own emissions and environmental impacts	Lincolnshire wide emissions and environmental impacts	Business and communities emissions and environmental impacts
Strategic overview	Corporate Environment Board	Leaders and Chief Executives Group	Climate Commissions?
Co-ordinating group	Sustainability team	Sustainability Officers working groups	
Delivery groups	Lincolnshire waste partnership senior officer working group	Lincolnshire waste partnership senior officer working group	
	Property Services	Greater Lincolnshire Nature Partnership	
	IT	Transport group?	
	HR	Planning groups?	
		Greater Lincolnshire Local Enterprise Partnership	
		Flood risk and water management partnership	

Green Masterplan Actions

Lincolnshire County Council

This page outlines the range of actions that Lincolnshire County Council is considering focusing on for the next 10 years of the Masterplan period from 2020 – 2030. Our aim is to tackle some of the most pressing and urgent actions to reduce carbon and our impacts on the environment. We will focus our activities in 3 broad areas across Lincolnshire County Council:

- **Delivery of the transformation plan to embed GMP commitments across the council**
- **Deliver the carbon management plan**
- **Review Lincolnshire County Council travel policies**

Buildings

- Clear heating policy for all buildings – temperature buildings will all be heated and cooled to
- Explore energy generation making use of building fabric (e.g. solar PV)
- ESPO – explore demand side response opportunities
- Shared and clear building rationalisation plan including:
 - Lincoln campus
 - Horncastle site
 - Review of bases to tie in with OPE and use of office 365
- Review R&M policy to allow for ambitious/ innovative low carbon technologies to be installed.
- Establish a clear minimum design standard for all new builds (e.g. Passivhaus)

Resources

- Responsible procurement of supplies (whole life costings, ability to reuse)
- Waste management
 - Minimise the waste produced by staff
 - Centrally manage old IT equipment to minimise wastage and appropriately dispose broken electronics
 - Have a standard recycling approach across all buildings
- Paper
 - Reduce to a minimum all paper in council meetings
 - Monitor and reduce printing across the authority
- Pensions – explore opportunities to make low carbon investment opportunities
- Support staff to make positive low carbon decisions at home (salary sacrifice for home energy efficiency installations)
- Explore county farms opportunities eg tree planting.

Carbon Management Plan

- Insert CMP actions

Travel and Transport

- Reduce the requirement for staff to travel, make full use of Office 365 and video conferencing facilities.

- Clear policies to ensure travel is reduced and VC tools are the preferred method of holding meetings.
- Review staff parking passes
- Review commuting – look to promote rail and train transport (travel cards, incentives, working times/hours to accommodate public transport time tables)
- Pool cars/bikes
- Flexible working review to ensure consistency of approach across the council. Cost of working from home? Etc.
- Fleet vehicles must all be ultra-low emissions by 2050. A minimum target for 2030 should be 20% however 50% should be achievable.
- Review the car lease scheme
 - Remove carbon intensive vehicles from the lease scheme, and replace with electric vehicles.
 - Review the mileage requirements for the lease scheme (as we are trying to encourage staff to travel less for work)

Partnerships

This page details the actions Lincolnshire County Council will take with our partners focusing on for the next 10 years of the Masterplan period from 2020 – 2030. Our aim is to tackle some of the most pressing and urgent actions to reduce carbon and our impacts on the environment. We will focus our activities in 3 broad areas across Lincolnshire

- Develop the actions of the sustainable officers working group to generate new joint projects
- Reducing the environmental impacts of Transport in Lincolnshire
- Reducing the environmental impacts of Waste Services

Green Masterplan Actions

Communities and businesses

This page details the actions Lincolnshire County Council will take within our communities and across local business focusing on for the next 10 years of the Masterplan period from 2020 – 2030. Our aim is to tackle some of the most pressing and urgent actions to reduce carbon and our impacts on the environment. We will focus our activities in 3 broad areas across Lincolnshire.

- Settling up a Lincolnshire Environmental Fund
- Support the emerging Lincoln Climate Commission

Why a Green Masterplan?

Imagine a world where solutions to reduce carbon and adapt to a changing climate align with the wider aims of businesses, communities and large organisations. Until recently this might have seemed unlikely, however the announcement by the Prime Minister Theresa May in May 2019 to cut UK carbon emissions to net zero by 2050 set a stringent and pressing target focusing efforts in sectors such as waste, transport and energy. Theresa May stated there was a "moral duty to leave this world in a better condition than what we inherited".

The question now is what might a zero carbon future look like and how might we leave the world in a better condition? Of course we don't have all the answers here and now in 2020, but there are many opportunities to use existing and new technology to give an idea of what it might look like. Undoubtedly future solutions will be integrated within a region's economy and environmental characteristics, making best use of the resources available and working in partnership with public and private and 3rd sectors.

In Lincolnshire we are well placed to rise to the challenge of net zero, with a broad depth of knowledge across multiple sectors including agri-tech, energy, and education. The Green Masterplan will focus our collective actions on reducing our impacts on the environment and supporting the individual goals of Lincolnshire's communities, businesses and organisations, as well as Lincolnshire County Council's own impacts.

At the heart of the Green Masterplan are our 3 commitments to deliver a greener future. They are:

- Don't waste anything
- Consider wider opportunities
- Take responsibility and pride

These commitments will steer our actions to achieving net zero. By not wasting our time, energy, money we will reduce the need for earth resources and ultimately save carbon. By considering the wider opportunities we'll be able to identify areas where we can work with others to make the most of our actions. Encouraging partners to work together can achieve multiple benefits and is an efficient use of time and money. By taking responsibility and pride we are carrying out our moral obligation to leave Lincolnshire a better place acting as custodians for the future.

Aside from our commitments, within the Green Masterplan you'll find data on carbon emissions across Lincolnshire, a look at what's happening across Lincolnshire and an action plan detailing climate actions across Lincolnshire. The principles of the Green Masterplan will remain the same however as new information, policy or events happen we will review the plan and adapt if necessary.

Measuring Success

<Links to data pages>

Each action plan will be developed by the individual organisation, but shared here so that the areas of collaboration and project succession can be seen as part of the whole picture. Some projects will be easier to set targets and report tangible results for. Others, which are more holistic and cultural or behavioural in nature, will have less verified results, but more narrative to articulate how they are progressing.

Lincolnshire County Council has a number of timelines for reporting success and keeping up momentum for the Green Masterplan. Individual projects will be reported on annually to track progress and highlight areas where more activity is needed. Reporting will be completed by project managers and an annual update will be available here gathering all information together.

Every three years, a thorough action plan review will take place. It is expected that this will enable future-planned projects to be started and the medium term landscape to be reviewed so that the next phase of pipeline projects can be added to the action plan and prepared accordingly.

A strategic review will take place every five years. It is anticipated that the legislative horizon will evolve at this pace, so that we can make sure that activity is aligned with national policy. This timeframe also supports engagement with national leaders so that we can articulate and evidence what is needed at a local level to continue moving Lincolnshire towards to a zero-carbon economy.

We propose working in three priority areas in each 10-year phase of the Green Masterplan. These pillars of activity will help to structure where the greatest gains are and focus activity in a manageable number of strategic areas. As we move nearer to the zero-carbon target for 2050, the priority areas will change and the Green Masterplan will adapt to meet the evolving priorities. Ten year horizons for the key pillars of activity with a mid-term strategic review of these priority areas should keep the action plan on track and make sure that the strategic direction is still the right one.

We will update and include carbon emissions baselines and projections to support the development of project plans and evidence the activity that is taking place. Lincolnshire County Council is working on their third carbon management plan (2018-2023), and may adjust the period of the next plan so that it aligns more closely with the strategic reviews of the Green Masterplan.