NORWICH City Council

Climate, emergency and environmental executive panel

Date: Wednesday, 30 October 2019
Time: 09:30
Venue: Wymer room, City Hall, St Peters Street, Norwich, NR2 1NH

Committee members:*

Councillors:
Carlo
Giles
Lubbock
McCartney-Gray
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Agenda

		Page nos
1	**Appointment of chair** To appoint the chair for the ensuing civic year.	
2	**Appointment of vice chair** To appoint the vice chair for the ensuing civic year.	
3	**Apologies** To receive apologies for absence	
4	**Declarations of interest** (Please note that it is the responsibility of individual members to declare an interest prior to the item if they arrive late for the meeting)	
5	**Terms of reference** **Purpose** - To consider the terms of reference of the climate emergency and environment executive panel.	3 - 6
6	**Environmental Strategy 2019 - 2024** **Purpose** - To consider the draft Environmental Strategy 2019 - 2024	7 - 44
7	**Date of next meeting** To agree to hold the next meeting on Wednesday 18 December 2019 at 9:30.	

Date of publication**: Tuesday, 22 October 2019**

Report to	Climate Emergency and Environment Executive Panel Wednesday 30 October 2019	**Item**
Report of	Director of resources	5
Subject	Terms of reference	

Purpose

To consider the terms of reference of the climate emergency and environment executive panel.

Recommendation

To:

1) Note the terms of reference as agreed at council on 23 July 2019

2) Adopt the following points from the terms of reference of the sustainable development panel :

    a) monitoring the progress of the council's environmental strategy and carbon management programme

    b) consider how the council's environmental strategy, carbon reduction programme and associated policies tackle the issues of climate change, carbon reduction and sustainable development.

    c) overseeing the implementation of the action plan for the integrated waste management strategy

    d) the development of specific environmental strategies including trees, parks, play areas and natural areas

2) agree to hold the meetings of the climate emergency and environment executive panel in public.

Corporate and service priorities

The report helps to meet the corporate priority for great neighbourhoods, housing and environment, inclusive economy, and people living well.

Financial implications

None

Ward/s: All wards

Cabinet member: Cllr Kevin Maguire – Safe and sustainable city environment

Contact officers

Stuart Guthrie, democratic and elections manager	01603 212055
Anton Bull, director of resources	01603 212326

Background documents

None

Report

1. At a meeting of council on Tuesday 23 July 2019, members agreed to the formation of a climate emergency and environment executive panel, which is an advisory group to cabinet.

2. The following terms of reference were agreed:

   The climate emergency and environment executive panel will:

   a) consider climate change and sustainability including social and economic issues in both the short and the long term in order to gather information and generate reports to advise cabinet on:

      i. their work to make the city of Norwich carbon neutral as soon as possible, considering both production and consumption emissions
      ii. the continuation and expansion of its work of building climate-change resilient social housing
      iii. their continued promotion of climate-change resilient planning and building
      iv. working with other local authorities to determine and implement best practice methods to limit global warming to less than 1.5°C;
      v. Continuing and expanding their work with partners across the city and region to deliver this new goal through all relevant strategies and plans, framed by the 2040 City Vision.

   b) be drawn from all parties in a politically balanced manner and composed of 7 members

   c) consider:
      i. what the council is doing now
      ii. what it plans to do
      iii. what it might do

3. Currently, the sustainable development panel includes points in its terms of reference which would be better suited to the climate emergency and environmental executive panel.

4. It is proposed that the panel adopts the following points from the sustainable development panel terms of reference:

   a) monitoring the progress of the council's environmental strategy and carbon management programme

   b) how the council's environmental strategy, carbon reduction programme and associated policies tackle the issues of climate change, carbon reduction and sustainable development.

   c) overseeing the implementation of the action plan for the integrated waste management strategy

d) the development of specific environmental strategies including trees, parks, play areas and natural areas

5. Members will also need to consider making a resolution to hold the meetings of the climate emergency and environment executive panel in public.

Report to	Climate Emergency and Environment Executive Panel 30 October 2019	**Item** 6
Report of	Director of regeneration and development	
Subject	Environmental Strategy 2019 – 2024	

Purpose

To consider the draft Environmental Strategy 2019 - 2024

Recommendation

To comment on the draft environmental strategy and associated action programme prior to it being reported to cabinet for adoption.

Corporate and service priorities

The report helps to meet the corporate priority for great neighbourhoods, housing and environment, inclusive economy, and people living well.

Financial implications

No new financial implications. Funding for specific proposals would be subject to a separate approval process at the appropriate time

Ward/s: All wards

Cabinet member: Cllr Kevin Maguire – Safe and sustainable city environment

Contact officers

Graham Nelson, Director of Regeneration and Development	01603 212530
Richard Willson, Environmental Strategy Manager	01603 212312

Background documents

None

Report – Environmental Strategy 2019 - 2024

Background

1. Within the framework of the council's corporate plan, the environmental strategy sets out in more detail the council's environmental vision and priorities for the city and how they will be achieved. This will guide the council's work across its departments, projects and partnerships over the next five years. It reflects our ongoing recognition of the fact that climate change is happening and poses a long-term challenge to the prosperity and wellbeing of Norwich.

2. This new strategy commits us, more than ever, to working in partnership to make a real difference to how Norwich responds to climate change. The level of change required is not something that any one organisation can achieve alone. The city's people, businesses and institutions will need to work together to make the Norwich of the future a truly liveable and sustainable city.

3. This is the council's fourth environmental strategy. Previous strategies have seen us go from strength to strength, in terms of environmental achievements: winning several national and international environmental awards in recent years, and we are keen to continue this good work.

4. The environmental strategy will be reviewed biennially when the council produces its environmental statement. This is an opportunity to reflect any changes in circumstances, such as new funding from central government, or technical advances in scientific knowledge or technology, which may help remove barriers to progressing towards a net zero Norwich. This review process will enable our action plan to adapt and remain agile during a period of great uncertainty.

Introduction

5. The council's existing environmental strategy ended in April 2019. Following this, a range of steps have been carried out to develop a new environmental strategy for the next 5 years, including the creation of CEEEP (Climate Emergency and Environment Executive Panel):

    a) Analysis and assessment of targets on the current environmental position in Norwich.

    b) Review of the wider policy and legal context.

    c) Review of external funding opportunities

    d) Workshops and input from expert stakeholders including the Tyndall Centre for Climate Change Research and the Carbon Disclosure Project (CDP).
    e) Review of existing activities and future opportunities across services and contractors.

f) Discussions and input from across services and contractors.

g) Discussions and input from elected members including cabinet and an all-member Tyndall workshop.

h) Assessment of the likely resources the council will have in the future to carry out environmental work.

i) Commentary from various external stakeholders including any relevant government agencies.

6. Over the previous three revisions of the environmental strategy, a wide range of stakeholders groups have been identified. Building upon this work, the council is, once again, engaging with Norwich organisations on this strategy, as well as the wider public. Following the CEEEP meeting a consultation process will start to engage with these stakeholders asking their feedback.

Overview

7. The Intergovernmental Panel on Climate Change (IPCC) report "Global Warming of 1.5°C" released in October 2018 found that limiting global warming to 1.5°C would require reductions of global human-caused emissions (carbon dioxide) of 45 per cent by 2030, and net zero by around 2050.

8. If the average global warming was limited to 1.5°C, it still increases the risks of drought, floods, extreme heat and poverty for hundreds of millions of people. Average global warming is 1°C already, when compared to pre-industrial averages. At 2°C, the upper limit of the UN Paris Agreement, the risk of negative impacts resulting from climate change increase significantly.

9. The government has recently announced that it will legislate to amend the Climate Change Act 1990, in order to achieve net zero carbon emissions by 2050. This is in line with the "overwhelming evidence from thousands of scientists" and the recommendations of the Committee on Climate Change (CCC), which independently oversees the Act's progress.

10. The new net zero target fully meets the requirements of the Paris Agreement, including the stipulation of 'highest possible ambition', and sets the standard for the EU and other developed countries as they consider their own pledges towards the global effort

11. In Autumn 2018, Norwich launched a vision for the city to help make Norwich the best place to be by 2040. This was the result of a collaborative exercise and extensive consultation shaped by the council, voluntary organisations, community groups, businesses and residents. Within the city vision theme "A liveable city" there is the commitment to shifting to clean energy by 2040 and being carbon neutral by 2050.

12. Norwich City Council recognises that action on climate change is a fundamental part of achieving the city's 2040 vision and objectives. Taking action to become a zero carbon city will achieve benefits for residents and businesses in Norwich up to 2040 and beyond. To help us accomplish this, we propose to work with our partners to mobilise residents, businesses and stakeholders to take action on climate change and resource use. We can only achieve the transition by working together in partnership. We can only deliver this agenda comprehensively if central government provide the necessary funding, powers and leadership necessary to achieve our wider goals.

13. The corporate plan has been developed in the context of the work around shaping the Norwich 2040 vision, and how the council has reshaped its key priorities around three themes:

    a) Great neighbourhoods, housing and local environment

    b) Inclusive (good) growth

    c) People living well

14. The new environmental strategy will deliver against all of the new corporate plan priorities. The vision of the environmental strategy is to be recognised as one of the best councils in the country for the way in which we help address climate change. The environmental strategy has the following themes:

    a) Community leadership: through providing leadership to the city including championing and advocating, listening, engaging and communicating, and building and maintaining strong partnerships.

    b) Service provision: through providing a range of services including planning, housing, transport, waste collection and recycling, and environmental management and protection.

    c) Buyers of goods and services: through purchasing a range of goods and services including ensuring procurement processes support sustainability.

    d) Estate management: through better management of our own transport and buildings the council can cut emissions, save money and manage the estate so it can be better adapted to the changing climate.

15. Within these themes our priorities will be:

    Priority 1: work with partners through Norwich 2040 to develop a city wide response to climate change to reduce the city's carbon dioxide emissions;
    Priority 2: reduce the council's carbon dioxide emissions;
    Priority 3: increase reuse and recycling in the city and reduce the amount of residual waste;

Priority 4: increase the energy efficiency of the housing stock in the city;
Priority 5: ensure that new development is carried out in a sustainable way;
Priority 6: support and encourage more sustainable transport solutions;
Priority 7: support a low carbon economy in Norwich;
Priority 8: prepare for the impacts of climate change;
Priority 9: work with local communities to ensure our local environment is protected and enhanced where possible;
Priority 10: work with partners to promote behavioural change

Action programme

16. The council has developed a detailed action programme with over 130 actions to mobilise change. Some of these actions will need support from 3rd parties, others will be driven internally. The action programme identifies which priority will be delivered and the year of delivery. The action plan will be monitored bi-annually via the publication of the environmental statement.

17. The action plan is attached at appendix 3.

Appendix 1: Background to CEEEP (For reference)

On 30 January 2019, Council acknowledged the climate emergency that exists pointing out that it is inextricably linked to social and economic emergencies. On 26 February 2019, Council resolved to amend the corporate plan to ensure council services mitigate climate change, reduce carbon emissions, and are planned with an awareness of the latest UK climate impact projections.

In order to address climate change, council resolved to:

(1) set up a Climate Emergency and Environment Executive Panel which will:

a) consider climate change and sustainability including social and economic issues in both the short and the long term in order to gather information and generate reports to advise cabinet on:

i. their work to make the city of Norwich carbon neutral as soon as possible, considering both production and consumption emissions
ii. the continuation and expansion of its work of building climate-change resilient social housing
iii. their continued promotion of climate-change resilient planning and building
iv. working with other local authorities to determine and implement best practice methods to limit global warming to less than 1.5°C;
v. Continuing and expanding their work with partners across the city and region to deliver this new goal through all relevant strategies and plans, framed by the 2040 City Vision.

b) be drawn from all parties in a politically balanced manner and composed of 7 members

c) consider:
i. what the council is doing now
ii. what it plans to do
iii. what it might do

APPENDIX 2

NORWICH City Council

Norwich City Council Environmental strategy



2020-2025

Norwich City Council

Environmental Strategy 2019 - 2025

1. Foreword
2. Key achievements since the last strategy
3. Context
4. Developing the new strategy
5. Vision, themes, priorities
6. How will we get there?
7. How will we know and review
8. How will we engage and communicate?
9. Action Plan
10. Appendix A: Norwich City Council Environmental Policy

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1 Foreword

Norwich City Council has a long history of innovation, and a track record for leading change. Over many years this has helped to improve and protect the environment of this extraordinary city, one in which so many people appreciate living, working and visiting.

Councils have an important leadership role in creating low carbon and climate-resilient communities. The Paris Agreement will need local, national and international action to fully deliver its objectives. Councils are the local planning authority and represent local concerns and perspectives. Finally the council provides a number of services to residents and visitors. We will continue to work to minimise their environmental impact, as well as working across a number of sectors to facilitate and encourage coordinated action on sustainability.

We must be mindful however, that local authorities have had their funding reduced by an average of 60 per cent in the last 10 years, and operate within the constraints of continuing financial challenges. Austerity has affected the ability of local government to respond to additional and pressing responsibilities without external support. Councils will require aid and funding to be able to make the step change needed to address the global climate crisis.

We also must be mindful to balance the environment with the social and economic needs of the city. Only by addressing all three issues can true sustainability be achieved. Sustainable cities are resilient cities that are able to adapt to, mitigate, and promote economic, social, and environmental change.

Rest assured, we will be lobbying national government at every opportunity to encourage them to provide councils across the country with the significant levels of extra funding required to effectively tackle climate change.

This document is the fourth environmental strategy that the city council has produced, and details the council's environmental vision and priorities until 2024.

In shaping these priorities, we have been extremely fortunate to have been able to work with the world-renowned Tyndall Centre for climate change research at UEA. They have helped us set the context for the future and we will continue to draw on their expertise over the life of this strategy and beyond.

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Since the publication of our last strategy, we have delivered a wide-ranging action plan. We have improved cycling and walking infrastructure which has resulted in a 40 per cent increase in cycling since 2013. We have protected our parks and open spaces and promoted biodiversity. In 2008, the council set itself a target of reducing operational $C0_2$ emissions by 40 per cent by 2018 and we have now achieved 59.6 per cent. The importance that we give to energy efficiency, renewables and tackling fuel poverty has also been demonstrated through our Passivhaus building, our retro-fitting programme and, more recently, the creation of our own renewable energy provider, Roar Power. Since the production of our last environmental strategy, Norwich City Council has also received a number of regional and national awards in recognition of our environmental successes. The city council has also recently been recognised as one of the top performing councils in the country by Friends of the Earth for our response to the climate change emergency.

It is predicted that more people will be living in urban areas in the future, so the population and scope of the city is likely to grow. Cities have a vital role to play in the fight against climate change. They have the ability to translate global climate commitments into tangible local actions – transitioning towards more efficient circular economies. We need to drive the change towards a sustainable Norwich and meet the goals of the Paris Agreement. In leading this work, we will achieve a better future for Norwich and the planet we all live on.

This is only possible if timely, clear, funded and well-designed policies to reduce emissions are introduced across the economy. Current policy is insufficient for delivering the existing target, let alone the new net zero target of 2050. Sustainable living, defined by the International Institute for Sustainable Development as a need to ensure that *'today's citizens meet the needs of the present without compromising future generations'* , is a common thread which runs throughout the work of the council and is not a new concept for this local authority.

This new strategy commits us more than ever to working in partnership to make a real difference to how Norwich responds to climate change. The level of change required is not something that any one organisation can do alone. The city's people, businesses and institutions will need to work together to make the Norwich of 2040 a truly liveable city and the best place to be.

Cllr Dr Kevin Maguire
Cabinet Member for Safe City Environment

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What we have achieved

In 2015 the council's third environmental strategy was published. The strategy ran until April 2019 and identified the following areas as fundamental to the council in reducing both its own carbon footprint and that of Norwich residents, businesses, and visitors. The strategy also offered key priorities to maintain a healthy and sustainable local environment.

The strategy delivered a detailed action plan containing over 120 actions

Below is a snapshot of some of our environmental achievements

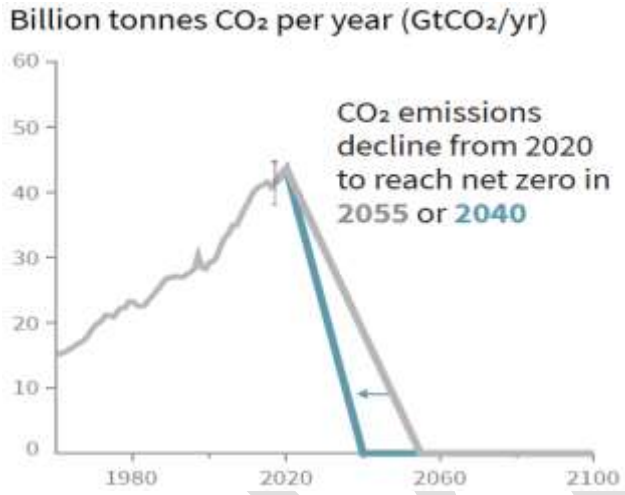


Context in which the our new strategy needs to work

Global to local

The Intergovernmental Panel on Climate Change (IPCC) report "Global Warming of 1.5°C" released in October 2018 found that limiting global warming to 1.5°C would require reductions of global human-caused emissions (Carbon Dioxide) of 45 per cent by 2030, and net zero by around 2050.

In other words, the average world citizen must cut net CO_2 emissions from 4.35 metric tonnes to approximately 2.09 tonnes by 2030, and zero by 2050.



The graph illustrates the problem very clearly. Since 1992, the UN Framework Convention on Climate Change has met 23 times. (https://unfccc.int/)

Global emissions are not declining. From 2020, emissions have to drop dramatically, if we are to stand a chance of keeping global warming below 1.5°C.

If the average global warming was limited to 1.5°C, it still worsens the risks of drought, floods, extreme heat and poverty for hundreds of millions of people increases. Average global warming is 1°C already when compared to pre-industrial averages. At 2°C, the upper limit of the UN Paris Agreement, the risk of negative impacts of climate change increase significantly.
Global carbon dioxide emissions currently show no signs of summiting and are expected to hit a record high in 2019/20, despite urgent calls from climate scientists, the United Nations and others.

Energy pathways that that could limit global warming to 1.5°C require rapid and far-reaching transitions in energy, land and infrastructure - including transport, buildings, farming, businesses and industry. This transition is unprecedented and requires deep emission reduction in all sectors of society.

The UK was the first country to introduce long-term, legally- binding national legislation to tackle climate change. The 2008 Climate Change Act provides the UK with a legal framework including an 80 per cent target for carbon emissions reductions by 2050. It also includes five-yearly 'carbon budgets' (limits on emissions

over a set time period which act as stepping stones towards the 2050 target), and the development of a climate change adaptation plan.

The Committee on Climate Change (CCC), which independently oversees the act's progress, has recommended that the UK sets a more ambitious goal, in line with the Paris Agreement's 1.5°C ambition, due to the "overwhelming evidence from thousands of scientists". The government has recently announced that it will legislate to amend the act in order to achieve net zero carbon emissions by 2050.

The new net zero target fully meets the requirements of the Paris Agreement, including the stipulation of 'highest possible ambition', and sets the standard for the EU and other developed countries as they consider their own pledges towards the global effort

UK emissions now constitute only a small proportion of the global total, but those who say
the UK's actions no longer matter are wrong. Every tonne of carbon counts in the atmosphere, wherever it is emitted. In setting a net-zero target, the UK will be among a small group of countries viewing climate change with appropriate urgency and importance.

The City - Norwich 2040

In Autumn 2018, Norwich launched a vision for the city to help make Norwich the best place to be by 2040. This was the result of a collaborative exercise and extensive consultation shaped by the council, voluntary organisations, community groups, businesses and residents.

Norwich 2040 identified five themes:

A Liveable City – The city takes pride in being the place with a great local environment that people value. We are committed to shifting to clean energy by 2040 (carbon- neutral by 2050). We will support and promote sustainable living – where todays citizens meet the needs of the present without compromising future generations

A Fair City- Norwich is a place where many already enjoy a great quality of life. By 2040, the health, wellbeing and life chances of all of our citizens will be improved. We will remove barriers to achievement and a high standard of living will be enjoyed by everyone.

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A Connected City – At the heart of any good city is how well it connects with both its Citizens and the world at large. In 2040, Norwich will have a modern transport system, be at the forefront of digital connectivity and create opportunities for all residents to link with each other.

A Dynamic city – Today Norwich has two successful universities and thriving sciences, creative tech, leisure and retail sectors. In 2040, Norwich will be a place where entrepreneurs, social enterprises, national and global companies choose to provide good jobs, prosperity and success.

The city's 2040 City Vision under its liveable city theme, reflects the more recent and ambitious goal set by the Committee on Climate Change of achieving "carbon neutrality" by 2050. The 2040 City Vision also commits Norwich to shifting to clean energy by 2040.

The council - Norwich City Council's Corporate plan

The council's new Corporate Plan has been shaped to respond to the most uncertain period in our city's history since the end of the Second World War, over 70 years ago.

There are a number of different factors at play. The first is the unresolved issue of how (or whether) we exit the European Union, and on what terms. The second: the impact on the council's budget of a decade of continuous cuts in central government funding (well over 60 per cent since 2010), in conjunction with a lack of clarity about whether this funding trajectory will change or continue. The third: longer-term changes that are moving more rapidly than anticipated to confront us in the next two decades; among which are climate change, automation, demographic shifts and galloping inequality.

This year's corporate plan has been developed in the context of the work around shaping the Norwich 2040 vision, and how the council has reshaped its key priorities around three themes:

- Great neighbourhoods, housing and local environment
- Inclusive (good) growth
- People living well

Norwich recognises that action on climate change is a fundamental part of achieving the city's 2040 vision and objectives. Taking urgent action to become a zero carbon city, starting in 2019, will achieve benefits for residents and businesses in Norwich up to 2040 and beyond. To help us accomplish this, we propose to work with our partners to mobilise residents, businesses and all stakeholders to take action on climate change and resource use. We will invite all organisations that work in the city to be part of our collective ambition in supporting our 2040 vision.

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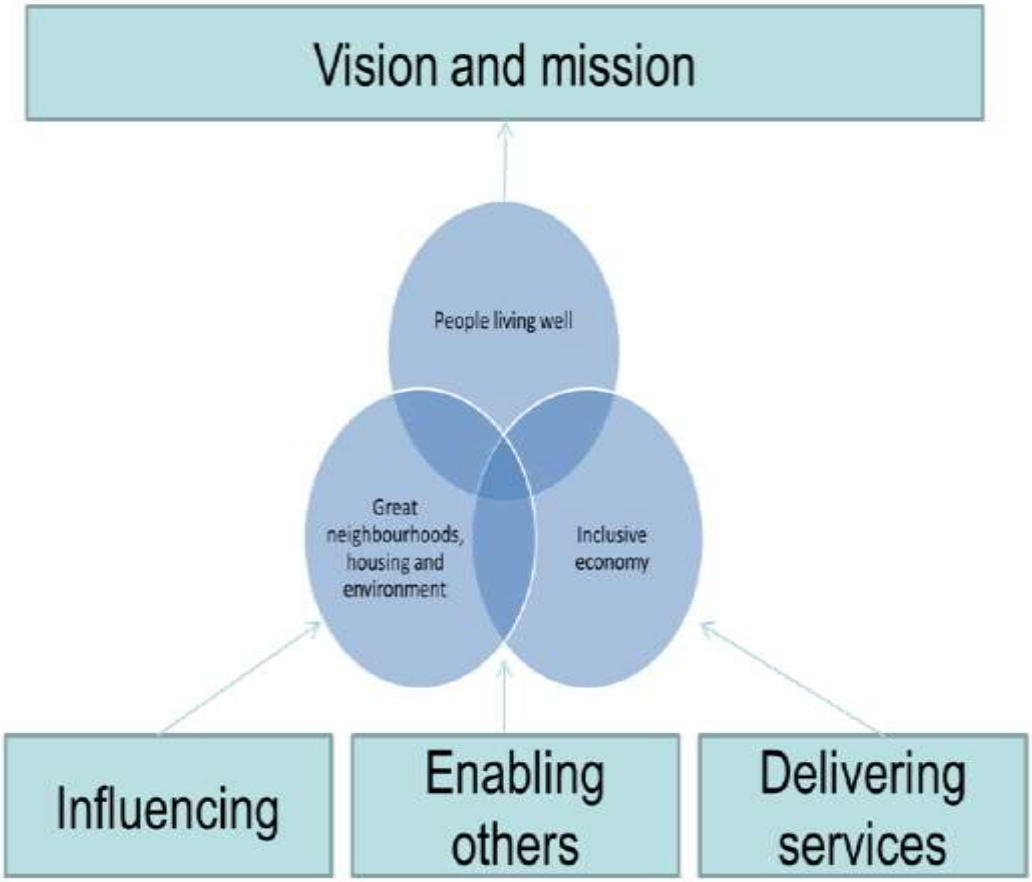


Fig1: City Vision on mission

Within this framework, the purpose of this environmental strategy is to set out in more detail the council's environmental vision and priorities for the city for the next five years and how they will be achieved.

It guides all the environmental work programmed to be carried out by the council between 2019 and2024. This work is conveyed in greater detail in service plans and other council plans, and those of partners and contractors. This is summarised in the diagram below:

Diagram A: Framework for Environmental Strategy

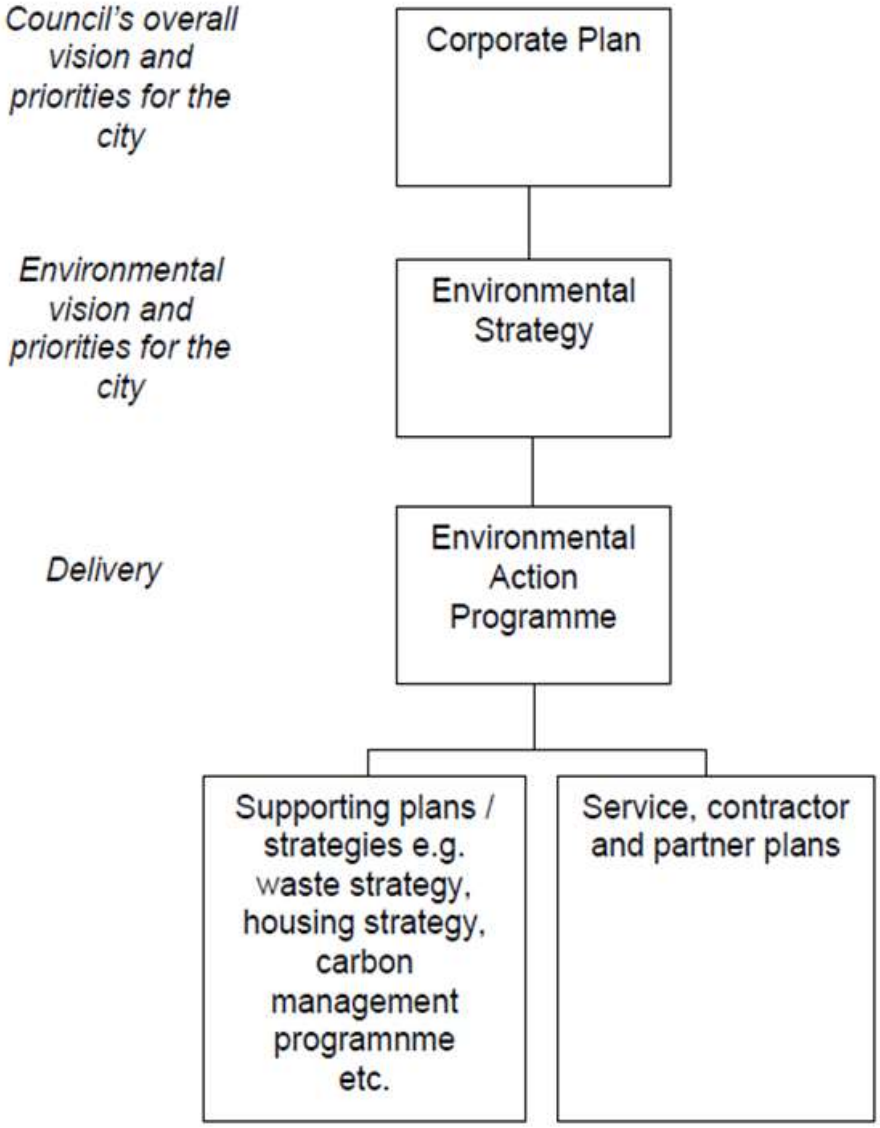


Fig2: Diagram A: Framework for Environmental Strategy

Norwich Environmental Strategy 2019-2024

Developing the 2019-2024 strategy

The new environmental strategy has been developed through the following methods:

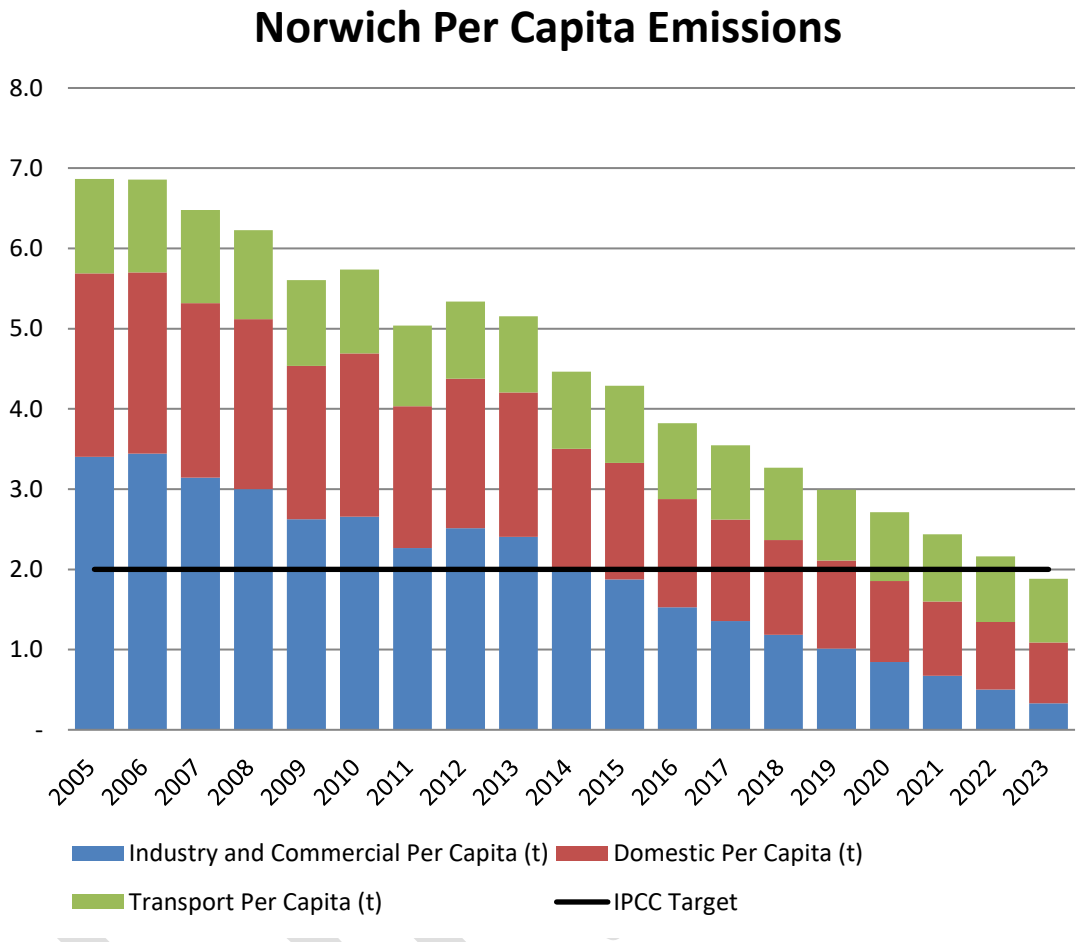
- Analysis and assessment of targets on the current environmental position in Norwich.
- Review of the wider policy and legal context.
- Review of external funding opportunities
- Workshops and input from expert stakeholders including the Tyndall Centre for Climate Change Research and the Carbon Disclosure Project.
- Review of existing activities and future opportunities across services and contractors.
- Discussions and input from elected members including across services and contractors.
- Discussions and input from elected members including cabinet and an all-member Tyndall workshop.
- Assessment of the likely resources the council will have in the future to carry out environmental work.
- Commentary from various external stakeholders including any relevant government agencies.

Over the previous three revisions of the environmental strategy, a wide range of stakeholders groups have been identified. Building upon this work, the council is, once again, engaging with Norwich organisations on this strategy as well as the wider public.

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Carbon emissions - where have we come from and where do we want to be?

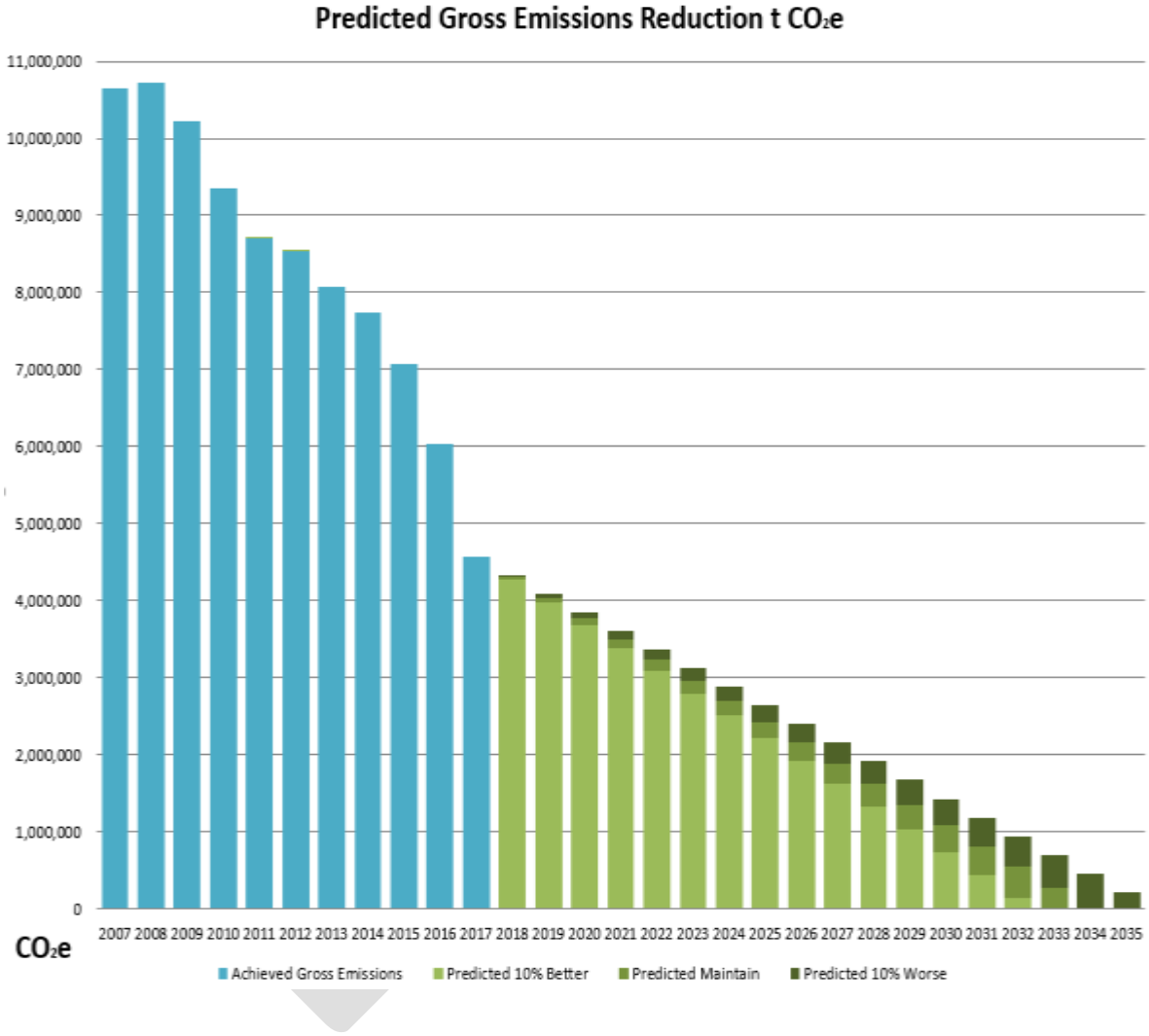
As a city, Norwich is on track to achieve the IPPC emissions target of 2.09 tonnes of CO_2 per person by 2023/24, and ,based on existing trajectory data, we are due to achieve carbon neutrality before 2050. (UK Government Per Capita Emissions Data)*



*UK local authority carbon dioxide emissions from 2005. Produced by Department for Business, Energy & Industrial Strategy. The indicator comprises annual reduction in CO2 emissions across an agreed set of sectors (housing, road transport and business) measured as a percentage reduction of the per capita CO_2 emission from the 2005 baseline year. NI 186 excludes aviation, shipping and consumed emissions as a reliable dataset has not been created at a national and regional level.

The council

To date we have reduced the carbon emissions of Norwich city council by 59.6 per cent since 2008, a notable achievement given the diverse range of services we deliver to the city. In recognition of the council's sizeable carbon emissions reductions we have been awarded several national accolades, firmly establishing the council as a high achiever, delivering a real step-change in the sustainability of its public services.



Vision

To be recognised as one of the best councils in the country for delivering the way in which we help address climate change.

Themes

Community leadership: through providing leadership to the city including championing and advocating, listening, engaging and communicating, and building and maintaining strong partnerships.

Service provision: through providing a range of services including planning, housing, transport, waste collection and recycling, and environmental management and protection.

Buyers of goods and services: through purchasing a range of goods and services including ensuring procurement processes support sustainability.

Estate management: through better management of our own transport and buildings the council can cut emissions and save money and manage the estate so it can be better adapted to the changing climate.

Our priorities will be:

Priority 1: work with partners through Norwich 2040 to develop a city wide response to climate change to reduce the city's carbon dioxide emissions;

Priority 2: reduce the council's own carbon dioxide emissions;

Priority 3: increase reuse and recycling in the city and reduce the amount of residual waste;

Priority 4: increase the energy efficiency of all the housing stock in the city;

Priority 5: ensure that new development is carried out in a sustainable way;

Priority 6: support and encourage more sustainable transport solutions;

Priority 7: support a low carbon economy in Norwich;

Priority 8: prepare for the impacts of climate change;

Priority 9: work with local communities to ensure our local environment is protected and enhanced where possible;

Priority 10: work with partners to promote behavioural change to establish a more sustainable society

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How will we get there?

The council will achieve its environmental priorities through delivery of a comprehensive environmental action plan. This sets out the key projects, actions and activities the council will progress within the areas of its responsibility.

Responsibility for the overall delivery of the environmental action programme rests with the corporate leadership team and is co-ordinated and managed by the environmental strategy team.

Specific projects, actions and activities within the programme will be the responsibility of services, contractors and partner organisations.

How will we know and review?

Delivery of the environmental strategy and action programme will be closely monitored through the council's performance management framework. This includes regular performance review and challenge by officers and formal performance reporting and review by councillors through:

- Cabinet (quarterly through the council's performance report).
- Scrutiny
- Sustainable development panel (regularly on specific projects, services and activities).
- A new members group called CEEEP (Climate Emergency and Environment Executive Panel)

We will also publish a biennial environmental statement that sets out overall performance against the priorities within the strategy.

The environmental strategy will be subject to a review at the end of each year looking at:

- Overall performance and progress.
- Changes in the national or local landscape.
- Success of engagement and communication activities.
- New opportunities identified e.g. through partnership work or engagement work.
- Learning from pilot projects and approaches that have been tested.
- Resourcing levels.

This process will determine any changes to be made to the strategy.

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How will we engage and communicate?

The council will carry out a range of work to engage and communicate with residents, voluntary and community organisations, businesses, academic institutions and other statutory bodies on the progression of this environmental strategy.

Engagement and communication activities will draw on the latest research and approaches in community engagement and environmental psychology (a discipline concerned with effective communication and behaviour change with regards to environmental issues) and utilise concepts and principles such as:

- Making sustainability meaningful for citizens (focusing on factors such as the wider environment and community and communicating with people based on their environmental values).

- Habit discontinuity (taking advantage of existing lifestyle opportunities to encourage behaviour change e.g. promoting energy efficiency when people move homes).

- Using social networks and norms (utilising what other people do and/or is the expected behaviour e.g. most people in this area now recycle).

- Two-way participatory engagement/communications (engaging others in discussions and work on the issues and the solutions to deliver the environmental priorities for the city e.g. the development of community energy projects through the use of grants).

- Using existing engagement and communication activities wherever possible (to ensure a holistic approach, maximise the use of resources and prevent engagement/ communication overload).

- Pre-testing and evaluating different engagement and communications (to ensure that they are as well designed as possible and that lessons are learned for future activities).

  A detailed supporting engagement and communication plan will be developed as part of the action programme.

Action Plan

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See Action Plan PDF

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Annex A: Norwich City Council's published environmental policy

The council's environmental policy will play a key role in working towards sustainable development because the health and well-being of our environment is crucial for providing us all with a good quality of life, both today and for years to come.

The policy

It is our policy to meet our national and international legislative obligations, to develop local sustainable communities, enhance the local environment, deliver environmentally-friendly services and enforce environmental legislation to help stem the depletion of finite natural resources.

We are committed to preventing pollution of the environment through compliance with legislation and the continual improvement of environmental performance. We will also monitor our resource use, by:

- increasing energy efficiency in council-owned property
- promotion of domestic energy efficiency
- reducing the amount of waste sent to landfill
- increasing recycling opportunities
- reducing consumption of paper in council activities
- reducing consumption in fuel in council operations
- reducing CO_2 emissions from council operations to achieve a 70% reduction in emissions by 2025/26
- reducing per capita carbon emissions until becoming carbon-neutral by 2050
- preventing groundwater pollution and contamination of land
- protecting and enhancing of habitat and biodiversity
- enhancing of the quality of the built environment
- environmental considerations laid out within the procurement strategy.

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Outcome/ priority	Key Actions (RAG)	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
Theme 1 - the council as community leaders	1.1 To work with the LEP, County Council and other districts on the low carbon agenda.	All	Environmental Strategy	Ongoing
	1.2 Support Earth Hour, Car Free Day and other environmental campaigns locally	1,3,4,6,7,8,9,10	Coms, Transport team	Ongoing
	1.3 Updates risk register using UKCIP18 and LCLIP study	8	CLT/ Neighbourhoods	2020
	1.4 To provide grants and advice for local communities to develop community energy projects	1, 4 & 7	Environmental Strategy	2021
	1.5 Promtion of ECO Energy Company Obgliation	1,4,5&7	Environmental Strategy	Ongoing
	1.6 To promote an online reuse portal to facilitate and increase reuse www.lumi.org.uk	1,7,	Neighbourhoods	Ongoing
	1.7 To develop local sustainable living and 'love where you live' type campaigns to promote simple measures to residents and organisations to lower Carbon emissions and adapt to climate change.	All	Environmental Strategy/Neighbourhoods/Communications	Ongoing
	1.8 Promote Norwich as a sharing city	1,3,6,7,9,10	Communications	Ongoing
	1.9 To promote local food production through the council's allotments service and communication activities	1,7,8	Citywide Services	Ongoing
	1.10 To continue to promote waste prevention and recycling through public engagement	1,3,9,10	Citywide Services	Ongoing
	1.11 New SUP free bins and more recycling in the city centre	3	Citywide Services	2019
	1.12 Support the Anglia Water CATCH project	1,8,9	Environmental Strategy	2020
	1.13 Work with Anglia Water to promote water efficiency	1,8,9	Environmental Strategy	Ongoing
	1.14 Continie to run an annual eco living event for residents and organisations	1,3,5,6,7,8,9,10	Environmental Strategy	Ongoing

Outcome/ priority	Key Actions (RAG)	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	1.15 Continue to run an annual eco awards scheme in the city to promote environmental excellence to residents and organisations including encouraging carbon reduction and use of renewable energy by businesses	1,3,6,7,8,9,10	Environmental Strategy	Ongoing
	1.16 To develop and publish an bi-annual environmental statement to show our porgress	All	Environmental Strategy	Bi-Annual
	1.17 Continue to do thematic networking around open spaces and food and deliver growing communities	2,9,3	Strategy and Neighbo	2019 then ongoing
	1.18 - To work with expert partner organisations in the city e.g. University of East Anglia/ Environment Agency/ Tyndall Centre to provide external advice and challenge and to utilise, share and promote environmental research and learning and develop joint bids and solutions to environmental issues.	All	Environmental Strategy	Ongoing
	1.19 Introduce a new cycle sharing scheme for Norwich City	1,6,7	Transport Team	2020
	1.20 Introduce a new cycle map for Norwich	1,6,7	Transport Team	2021
	1.21 Encourage more walking and cycling via the transforming cities bid	1,6,7	Transport Team	2020 then ongoing
	1.22 Establish a new rapid transport route into the city (Potential EV travel hubs)	1,6,7	Transport Team	2020 then ongoing
	1.23 Introduce more 20 MPH zones and traffic management systems which lower CO2 emissions	1,6	Transport Team	2020 then ongoing
	1.24 Refresh the Councils Local Climate Impacts Profile (LCLIP) using the latest data from the UKCIP18	8	Environmental Strategy	2020
	1.25 Explore the CPD Scatter Tool developed by the Tyndall Centre for use in Norwich	1,2,7	Environmental Strategy	2019
	1.26 To review the electric charging provision in Norwich and surrounding area to ensure Norwich is “zero emission ready” and to install further rapid chargers (if required) on council land.	1,6,& 7	Environmental Strategy/ Transport	2021

Outcome/ priority	Key Actions (RAG)	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	1.27 Update the councils district heating map to account for the developments in low temperature systems and locallised "energy centers"	1,2,4,5,7	Environmental Strategy	2023
	1.28 To run a third collective auction for solar panels so that private households and landlords can purchase and install them at a lower cost	1,4 & 7	Environmental Strategy	2020
	1.29 Review the investment potential for solar private wire for local businesses to use	1,5,7	Environmental Strategy/LGSS	2020
	1.30 To implement initiatives to raise awareness and create action at a local neighbourhood level about energy efficiency, managing energy use and the benefits of installing renewable energy by providing information, advice and education	1&4	Environmental Strategy	Ongoing
	1.31 To set up a series of Environmental discussions and information sessions physically and vertually to inform citizens.	1,3,4,6,7,8,9	Environmental Strategy	2021 then ongoing
	1.32 Reduce retail food waste via a food poverty strategy	1,3,7,9	Strategy	2020 then ongoing
	1.33 Continue reduce the use of SUP at events on council land	1,3,5,7	Events	2019 then ongoing
	1.34 Refreh the councils Travel Plan	1	Env Strat	2020 then ongoing
	1.35 To set up a Climate Leaders Group via the City Vision 2040 partnership to help to deliver the environmental	1,5 & 7	Strategy	2019 then ongoing
	1.36 Encourage more electric taxi's by the provision of discounted rapid charge refills and potential increase of vehicle age licencing rules if fully electirc	1,6,7	Licencing, Transport & Environmental Strategy	2022
	1.37 To set up a energy company to help citizens take advantage of renable energy as well as exploring with partner organisations the potential for a district heating scheme for the city	1,2,4,5 & 7	Environmental Strategy/ Communications	2019 then ongoing

Outcome/ priority	Key Actions (RAG)	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	1.38 To monitor, review and potentially take forward opportunities in the local energy supply markets including exploring community energy companies/ ESCo's, use of block chain and smart meters to incentivise reduced energy consumption	1&7	Environmental Strategy/ LGSS/ ENGIE/ Others	Ongoing
	1.39 To have an environmental themed Lord Mayors and to use more sustainable transport	1,5,6 & 7	Events	2019 then ongoing
	1.40 Develop a sustinable food group and apply for a sustainable food city status	All	Strategy/ E Health	2023 then ongoing
	1.41 Sell local honey at the TIC to support local honey producers	9	TIC	2019 the ongoing

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
Theme 2 - the council as service providers	2.1 To ensure that new developments include sustainable travel options from the start	1&6	Planning	Ongoing
	2.2 To support parties wishing to undertake voluntary remediation of land	9	Citywide Services	Ongoing
	2.3 To ensure the infrastructure at Threescore will provide attractive landscaped areas around the drainage lagoons for local people to use and to provide important habitats	9	Planning	Ongoing
	2.4 To ensure all emergency plans for major weather events are kept up to date	8	Citywide Services	Ongoing
	2.5 To keep accurate records of the effects of weather events on council services	8	Environmental Strategy	Ongoing
	2.6 Include climate change on the councils risk register	8	CLT/ Planning	Ongoing
	2.7 Revise the TOR the Councils Sustainable Development Panel	All	Democratic Services	2019
	2.8 Biodegradable cups in meeting rooms & improved recycling at city hall including crisp packet recycling	3	Office Facilities	2019
	2.9 Refresh the Councils Fleet with greater use of EV/ Hybrid	2	Office Facilities	2024
	2.10 Run a training event on climate change adaptation for planners and members of the planning committee	1,4	Planning	Ongoing
	2.11 Remediate the old depot site to enable new use for housing	1,4		Ongoing
	2.12 To continue to lobby OFGEM for a standard for renewable energy tariffs so that this can be included within the council's switch and save scheme	1 & 7	Environmental Strategy	Ongoing
	2.13 Investigate the use of Green Gas for City Hall	2	Environmental Strategy	2024

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	2.14 To continue to run a staff awareness campaign to reduce the amount of carbon emissions from business operations at Norwich City Council	2	Environmental Strategy	Ongoing
	2.15 Continue to measure social environmental and economic factors as part of our contract management	All	Procurment	Ongoing
	2.16 Continue to replace trees and deliver sponsorship opportunities through Blooms for Norwich	1,9	Neighbourhoods	Ongoing
	2.17 To increase landfill diversion rates and reduce landfill tonnage	1&3	Citywide Services	Ongoing
	2.18 To identify ways to reduce and treat food waste	1&3	Citywide Services	Ongoing
	2.19 To identify ways to reduce and treat garden waste	1&3	Citywide Services	Ongoing
	2.20 To develop and improve the quality and range of recycling services available to Norwich residents	1&3	Citywide Services	Ongoing
	2.21 To continue to work with the other local authorities in Norfolk to achieve the objectives set-out in the joint waste strategy	1&3	Citywide Services	Ongoing
	2.22 To deliver programmes and projects to improve energy efficiency measures in privately owned housing e.g. Cosy City	1,4,7,8	Environmental Strategy	Ongoing
	2.23 To implement the Greater Norwich Joint Core strategy by 2026	5,6,7&8	Planning	Ongoing
	2.24 Review the Norfolk Strategic Planning Framework for green infrastructure opportunuty	5,6,7&8	Planning	2019 them ongoing
	2.25 Work with other districts to improve the GNDP Energy Policy	5,6,7&8	Planning	2019 them ongoing
	2.26 Implement the River Wensum Strategy		Planning	Ongoing
	2.27 To explore the energy aspects of new developments and possible new policy from central government	1,4,5&7	Planning	Ongoing
	2.28To develop new homes for the city council that conform to the "norwich Standard"	1,4,5&7		Ongoing

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	2.29 To continue to monitor air quality and meet EU standards and to take action where necessary to address nuisance issues where they occur e.g. from bonfires etc.	9	Citywide Services	Ongoing
	2.30 To work with local businesses to drive down emissions to atmosphere under the Pollution Prevention & Control (PPC) regime	9	Citywide Services	Ongoing
	2.31 To review the objectives of the tree strategy for Norwich which will consider carbon storage, biodiversity, air quality and climate change adaptation.	8&9	Citywide Services	2022
	2.32 To deliver a new open spaces strategy in Norwich including ensuring all Norwich City Council Wildlife Sites (SWS) are in positive management	9	Citywide Services	2022
	2.33 To utilise external funding sources to undertake a programme of improvements at key city council owned natural areas to improve the biodiversity, increase their resilience to extreme weather and enhance access for visitors on foot. To initially include Marston Marshes, Earlham Millennium Green, the Heronry and Danby Wood.	8&9	Citywide Services	Ongoing
	2.34 To investigate the potential for managing some intensively-managed grass areas under 'conservation cuts', involving fewer cuts per year	9	Citywide Services	Ongoing
	2.35 To replace water-intensive planting with wildflowers and herbaceous shrubs, to encourage wildlife and become more resistant to drought in parks and green spaces in the city	8&9	Citywide Services	Ongoing
	2.36 To continue to involve local communities in the management of their local parks, natural areas and open spaces	9	Citywide Services	Ongoing
	2.37 To carry out the climate adaptation tool review of services	8	Environmental Strategy	2020

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	2.38 Make the cementry more sustainable by the introduction of "ECO" incentives and "for nature" planting	8,9	Citywide Services	2020
	2.39 Investigate the use of electric gardening equipment to replace that driven by fossile fules	1,2	Citywide Services	2020
	2.40 To explore other mitigation and adaptation measures that could be included in the planning framework in the future	8	Planning Service	Ongoing
	2.41 To ensure gullies are emptied effectively across the City	8&9	Citywide Services	Ongoing
	2.42 To continue to deliver an affordable warmth strategy and programme to reduce fuel poverty and increase wellbeing	4	Environmental Strategy	Ongoing
	2.43 Explore other monitoing options for air quality including real-time monitoring	5,6	Citywide Services	2019
	2.44 Develop a new "Norwich Standard" for homes built by the councils housing company.	1,4,7,9	NRL	2021
	2.45 Undertake a feasability study to develop a range of low carbon modular homes for future developments and self build and/or sale	1,4,9	NRL	2024
	2.46 Work with other districts to improve the energy policy SDP for new developments via the GNDP.	1,4,5	Planning	Ongoing
	2.47 Investigate decentralised energy – locally generated heat and electricity – rather than depending on the less efficient national energy infrastructure.	1,2,4	Environmental Strategy	Ongoing
	2.48 To produce and publish the Home Energy Conservation Act report	1&4	Environmental Strategy	Ongoing
	2.49 Install more grouund source and air source solutions where possible for district heating	1,4	NPS	Ongoing

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	2.50 To continue to work with PIXIE and others in the energy markets to find new ways to reduce carbon for the domestic and industrial energy markets: including the use of block chain, behind the meter services, private wire, ECO aggregation.	1,4,9	Environmental Strategy	Ongoing
	2.51 To carry out a CDP annual review of our climate actions	All	Environmental Strategy	Annual
	2.52 Upgrade commercial buildings to the latest EPC standards	1,5	NPS	Ongoing
	2.53 Balancing cost effectiveness alongside social, environmental and exonomic factors.	ALL	Procurment	Ongoing
	2.54 Continue to maximise the use of friends groups and volunteers to make norwich a biodiverse and eco city	1,9	Citywide Services	Ongoing
	2.55 Develop a new Open Spaces strategy	1,9	Citywide Services	2021
	2.56 Develop a tree strategy	1,9	Citywide Services	2021
	2.57 Encourage people to plan trees at home	1,9	Citywide Services	2020
	2.58 - To improve participation, set-out rates and collected tonnages for recycling services, particularly the weekly food waste service	1&3	Citywide Services	Ongoing
	2.59 Deliver the Transforming Cities Bid	1,6,7,9	Transport Team	Ongoing
	2.60 To increase the number of 20 mph zones in the city to make cycling and walking safer	1&6		Ongoing
	2.61 To continue the implementation of bus rapid transit, city centre improvements and walking and cycling investment	1&6		Ongoing
	2.62 To explore with partner organisations the potential for establishing electric charging points in the city	1,6&7	Environmental Strategy	ongoing
	2.63 To investigate the potential for improving other natural areas using external funding	9	Citywide Services	Ongoing
	2.64 To plant trees and vegetation that prevent rapid run-off and protect areas from flooding	8&9	Citywide Services	Ongoing

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	2.65 Continue to minimise the use of Glyphosate	9	Citywide Services	Ongoing
	2.66 To carry out flood mitigation modelling and develop a future investment plan	8	Planning Service	Ongoing
	2.67 To ensure effective maintenance of highway drainage systems and partnership working with Norfolk County Council and Anglian Water	8&9		Ongoing
	2.68 To deliver a preventable seasonal excess deaths action plan with key partner organisations e.g health	8	Environmental Strategy	Annual
	2.69 Refresh the Councils Carbon Management Plan	2	Environmental Strategy	2020
	2.70 Continue to keep our natural areas to the Higher Level of Stewardship (HLS)	1,9	Citywide Services	Ongoing
	2.71 Trial biodegradable wrap straps to reduce SUP in council activity	All	TBC	2021
	2.72 Trail the use of energy Arbitrage with battery storage	8	TBC	2023
	2.73 explore the feasibility of a virtual power plant via ERDF funding	8	TBC	2022
	2.74 to enable more studnets to undertake research at NCC		TBC	2021

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
Theme 3 - the council as a purchaser of goods and services	3.1 - To implement a sustainable procurement strategy and contract management framework	1,2&7	Procurement	Ongoing
	3.2 - To continue to ensure 100% of the councils energy is sourced from a "green" tariff	1&2	Procurement	Ongoing
	3.3 - To work with our contractors to reduce waste and esnure the delivery of high environmental standards.	1,2&3	Procurement	Ongoing
	3.4 - To adopt an ethical investment policy, with commitment to divestment from fossil fuels	1	Finance	Ongoing
	3.5 To ask all new contractors (Gold/ Silver) to use green energy	1	Procurement	2019 Onwards
	3.6 Use of "Green" tariff for gas use at city hall and at Riverside LC	1	Procurement	2023
	3.7 Develop a social value procurment framework	1	Procurement	2013

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
Theme 4 - the council as an estate manager	4.1 - To deliver an ongoing investment programme of energy efficiency improvements in council housing across the city	1,4&7	Housing	Ongoing
	4.2 - To carry out a review of the council's asset portfolio informed by energy performance surveys to guide opportunities for energy efficiency improvement and rationalisation	1,2&7	City Development	Ongoing
	4.3 - To explore the development of a programme of LED lighting and more efficient landlord lighting working closely with residents	1,2&7,10	Housing	2021
	4.4 - To refresh and re-launch the council's employee travel plan including looking to reduce single occupancy car journeys by 20% by 2024 and the continuation of the cycle to work scheme, pool bike scheme and encouragement of walking	1,2,6&7	Human Resources	2020
	4.5 - To rationalise and reduce the number of fleet vehicles run by the council by 2.5%	1,2&7	City Development	2023
	4.6 - To produce and deliver a council water reduction action plan	1&2	Environmental Strategy	2024
	4.7 - To Reduce SUPs where possible	All	All	Ongoing
	4.8 - To explore the development and delivery of a large scale PV scheme on council housing across the City in consultation with tenants and review other opportunities for micro- generation and storage.	1,2,4&7	Housing	Ongoing
	4.9 - To deliver the council's carbon management programme for the next 5 years to realise a 65% reduction (from a 2007 baseline) from local authority operations	1,2&7	Environmental Strategy	Ongoing

Outcome/ priority	Key Actions	Environment priorities they contribute to delivering	Lead Service	Delivery timescale
	4.10 - To deliver large scale solar PV schemes on a minimum of 2 commercial or operational sites in the city	1,2&7	City Development	2022