



Friday, 22 January 2021

Environment and Climate Change Committee
Monday, 1 February 2021

NOTING REPORTS

The Committee is asked to note the following reports relating to item 6 on the main agenda.

6. QUESTIONS AND COMMENTS NOTING REPORTS

6.1 NOTING REPORTS

(Pages 1 - 80)

The Committee is asked to note the following reports:

- Broxtowe Parks Standard
- Environment Bill Update
- The Ten point plan for a green industrial revolution
- Fuel and Transport and Fleet Strategy Strand Update
- Green Number Plates
- Climate Change and Green Futures Programme Update

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Report of the Strategic Director

BROXTOWE PARKS STANDARD1. Purpose of report

To update Members on the outcome of the latest consultation and site assessments relating to the Broxtowe Parks Standard.

2. Background and detail

The Corporate Plan, as one of its priorities, is to protect the environment for the future. One of the targets associated with this priority is that 100% of parks and open spaces meet the Broxtowe Parks Standard. Having a uniform standard across all the sites is seen as a fair and positive way of improving the quality and visitor experience of the parks and open spaces. Appendix 1 details the questions asked as part of this standard.

Since the standard was approved in 2014 all the 45 main parks and open spaces have been assessed on a number of occasions and a report to the Environment and Climate Change Committee in February 2020 identified two sites not achieving the standard. Appendix 2 details these sites together with the outcome of the consultation reassessments in autumn 2020. In addition, the appendix lists the outcomes of consultation and site assessments of a further 20% of sites that previously met the standard to make sure they were still achieving the quality targets. Consultation took place during late summer/early autumn 2020 using an online questionnaire and 214 responses were received. Notices were placed on all the sites being assessed asking for responses. The questionnaire was also promoted on the Council's website and through social media. All sites are also inspected by officers from the Parks team to assess any concerns raised through the consultation process and to check that the scores achieved are a true and accurate reflection for the sites.

3. Financial implications

No costings have been included in this report but it is proposed to use some of the issues identified to prioritise both capital and revenue budgets for improvements to the Borough's parks and open spaces.

Recommendation

The Committee is asked to NOTE the report.

Background papers

Nil

APPENDIX 1

Site Assessment

1. How welcoming is the park?
2. How effective is signage?
3. Standard of cleanliness
4. How clean is the site in terms of dog fouling?
5. Accessibility
6. Standard of grass cutting
7. Standard of shrub beds/flower beds maintenance
8. Standard of the tree maintenance
9. Play facilities provided
10. Sports facilities provided
11. How are the issues with violence and anti-social behaviour dealt with?
12. Nature and wildlife management
13. Overall impression of the park/open space

Options

Very good/very well
Good/Well
Fair
Poor/not very well
Very poor/not at all
Don't know/not applicable

APPENDIX 2

Sites failing to achieve the Broxtowe Parks Standard in 2019

To achieve the Broxtowe Parks Standard sites must score at least 85% of marks in the fair and above category and at least 45% of marks in the good and above category. Detailed below are the 2 sites not achieving the standard in 2019.

Less than 85% Fair and Above

Archers Field Recreation Ground, Stapleford	75%
Knowle Park, Kimberley	83%

Less than 45% Good and Above

Archers Field Recreation Ground, Stapleford	30%
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Analysis of the 2020 Survey Work

In late summer/early autumn 2020 the 2 sites failing to achieve the Broxtowe Parks Standard were reassessed together with 12 other sites previously assessed as achieving the standard. These additional 12 sites were selected at random across the borough from the sites that had not been assessed in the last 3 years. The scores are shown below.

Area	Name of site	Fair & Above 2020	Good & Above 2020
Awsworth	Shilo Recreation Ground	89% P	63% P
Beeston	Beeston Fields Recreation Ground	92% P	56% P
Bramcote	King George V Park	94% P	77% P
Brinsley	Brinsley Headstocks	91% P	78% P
Chilwell	Cator Lane Recreation Ground	93% P	71% P
Chilwell	Sherman Drive Open Space	93% P	73% P
Greasley	Beauvale Park	82% F	61% P
Kimberley	Knowle Park	87% P	52% P
Nuthall	Basil Russell Playing Fields	96% P	84% P
Stapleford	Archers Field Recreation Ground	85% P	48% P
Stapleford	Ilkeston Road Recreation Ground	89% P	54% P
Toton	Manor Farm Recreation Ground	95% P	70% P
Trowel	Pit Lane Recreation Ground	95% P	80% P
Watnall	Watnall Green Open Space	97% P	89% P

F = Fail

P = Pass

Based on this round of assessments there is only 1 site failing to achieve the Broxtowe Parks Standard.

Less than 85% Fair and Above

Beauvale Park, Greasley 82%

Less than 45% Good and Above

All sites achieved the standard

Site Specific Comments on the 14 Sites Assessed

Awsorth – Shilo Recreation Ground. Very positive feedback on protection of nature and wildlife. Improvements to boardwalk and access paths suggested together with clearing back of vegetation and repairs to fences.

Beeston – Beeston Fields Recreation Ground. The play area was very well received having lots of space for informal play. Site scored highly in terms of cleanliness. Suggestions for a path around the full perimeter of the park. Comments about the possibility of outdoor gym equipment and refurbishment of the small multi use games area. Negative comments about issues with graffiti.

Bramcote – King George V Park. The new play area attracted lots of positive feedback. The new outdoor fitness equipment was also well received as was the balance between regular mown grass and that managed with a more relaxed mowing regime. Tennis courts popular but could do with more maintenance.

Brinsley – Brinsley Headstocks. Another high scoring site with many favourable comments. The new information panel was well received and the work of the Friends Group much appreciated. High scores for protection of nature and wildlife and the path improvement works. Further works needed to thin out the developing trees in the woodland compartments.

Chilwell – Cator Lane Recreation Ground. Positive comments about cleanliness and responsible dog ownership. A good play area with equipment for all ages. Comments on footpath erosion and the need for new tree planting. This last point has in part been addressed with a new woodland copse planted this winter.

Chilwell – Sherman Drive Open Space. This large open space in the middle of a housing development is appreciated by local residents. Seen as a clean site and only occasional problems with litter which is cleared quickly either by the Council or local residents.

Suggestion for additional tree planting to supplement work done in recent years.

Greasley – Beauvale Park. The only park this year failing to achieve Broxtowe Parks Standard. Although a creditable pass in the “good and above” category a score of 82% in the “fair and above” category was just below the required standard. One of the main criticisms related to the lack of surfaced paths in the children’s play area and the need for improved gates and fencing. Both these items are due to be addressed with Section 106 funding received for this site with the Parish Council working with the Borough Council. The works are scheduled to take place this spring. Other suggestions to improve the site included better signs at entrances, more tree planting and creating more natural areas of grassland management.

Kimberley – Knowle Park. An area failing to achieve the standard twice in recent years. This year however the scores have improved and the park is now achieving the standard. A key factor was the new fenced play area which was well received. Suggestions that it would benefit from a path to make access easier for pushchairs. Comments that signage could be improved.

Nuthall – Basil Russell Playing Fields. Very high scores in both categories with positive feedback across a wide range of areas. Facilities to suit lots of people, always clean and tidy with little anti-social behaviour. The new table tennis and fitness equipment introduced as part of Pride in Parks scheme was appreciated.

Stapleford – Archers Field Recreation Ground. An area that failed to achieve the standard in 2019 with low scores in both categories. Comments in previous years have related to issues with cleanliness and dog fouling but there have been noticeable improvements here. This may be a result of additional visits by the neighbourhood wardens and cleansing teams as recommended as a result of the consultation in 2019. The positive comments related to the recent meadow and orchard planting and removal of graffiti. Whilst still lower scores than other sites, there was a genuine feeling that improvements had been made on previous years. Areas that still need further improvement are issues with path surfacing and additional signage relating to dog fouling.

Stapleford – Ilkeston Road Recreation Ground. Generally positive comments relating to cleanliness, the path around the perimeter of the park, improvements to the play area in recent years and the outdoor fitness equipment.

Toton – Manor Farm Recreation Ground. Another high scoring site with people commenting on a good mix of space and facilities for all ages. Praise for the Council's cleansing team and the work done by local residents to maintain standards of cleanliness. Suggestions that some of the informal paths could be cut back more regularly.

Trowell – Pit Lane Recreation Area. Much appreciated during lockdown as a place to get away from it all. High score for nature and wildlife management. Drainage of the football pitch is a concern during the winter months.

Watnall – Watnall Green Open Space. The highest scoring of all sites with new paths and entrances well received. The changes to maintenance regimes that enhance the sites Local Nature Reserve status have proved popular. Clean and tidy throughout reflecting the work of the Council and local residents.

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Report of the Strategic Director

ENVIRONMENT BILL UPDATE1. Purpose of report

To update Members on the Environment Bill.

2. Background

The Environment Bill at the time of writing this report is at the Report Stage in the House of Commons within the parliamentary process.

The Environment Bill makes provision for targets, plans and policies in relation to:

- improving the natural environment
- reporting about environmental protection
- the creation of four environmental priority areas, namely:
 - resource efficiency and waste reduction
 - air quality
 - water
 - nature and biodiversity
- the creation of a Governing Body for Environmental Protection

Further information relating to the Environment Bill is shown in the appendix.

3. Financial implications

There are no financial implications at stage. Further reports will be brought to Committee in due course should the financial position change.

Recommendation

The Committee is asked to NOTE the report

Background papers

Nil

APPENDIX

1. Parliamentary Stage

At the time of writing this report the Environment Bill is currently at the Report Stage within the House of Commons. There is a third reading within the House of Commons before the Bill moves on to the House of Lords and then on to the final stage and receiving Royal Assent. There is no set timescale for the Environment Bill to progress and receive Royal Assent.

2. Overview of the Environment Bill

The Government states that the Environment Bill sets a new and ambitious domestic framework for environmental governance. The aim of the Bill is to respond to a clear and urgent scientific case and growing public demand for action to address environmental challenges including biodiversity loss, climate change, waste and pollution of the air, water and land.

The Environment Bill will give the Secretary of State a power to set long-term, legally binding environmental targets of at least 15 years in duration, across the breadth of the natural environment. It will specifically require the Government to set at least one target each in four priority areas.

3. The Four Priority Target Areas (updated 21 October 2020).

The four main priority areas are air quality, biodiversity, water and resource efficiency and waste reduction. The Government will also set a target for fine particulate matter expressed as an annual mean.

The Government will set at least one target in the four priority areas. Consultation will be undertaken before the targets are brought forward by 31 October 2022. Long term targets will be supported by interim 5 yearly targets which set a trajectory towards the long term targets.

The information below gives a brief overview of the information relating to the key priority area.

3.1 Air Quality

Air pollution comes from a diverse range of sources, including industry, transport, burning of solid fuels in the home, and the use of cleaning products. It poses the single greatest environmental risk to human health. The Environment Bill will help ensure we all have cleaner air to breathe¹.

The key actions the Government is taking to continue to reduce emissions from a wide range of sources are set out in two documents as shown below:

- The UK Plan for Tackling Roadside Nitrogen Dioxide Concentrations (2017).

¹ <https://www.gov.uk/government/publications/environment-bill-2020/10-march-2020-air-quality-factsheet-part-4>

- The Clean Air Strategy (2019).

The Environment Bill delivers key aspects of the Clean Air Strategy with the aim of maximising health benefits for our citizens. It also ensures local authorities have a clear framework and simple to use powers to address air quality in their areas, and provides the Government with powers to enforce environmental standards for vehicles².

The Bill introduces a duty on the Government to set at least two air quality targets by October 2022. These include:

- Reduce the annual average level of fine particulate matter (PM_{2.5}) in ambient air. This will deliver substantial public health benefits.
- Set a long-term target for a minimum of 15 years in the future, which will encourage long-term investment and provide certainty for businesses and other stakeholders.

The Government propose to also amend the existing substantive primary legislation:

- The Environment Act 1995, which sets up the local air quality management framework (amongst many other things), including local government responsibilities to tackle air pollution.
- The Clean Air Act 1993, which enables local authorities to tackle smoke emissions from chimneys of buildings, fixed boilers and industrial plant.

The amendments to the Clean Air Act 1993 made through the Environment Bill will help local authorities reduce pollution from domestic burning. Specifically, the amendments will:

- Replace the criminal offence of emitting smoke from a chimney in a smoke control area with a civil penalty regime, which allows for the removal of the statutory defences that currently hinder enforcement. This will enable quicker, simpler and more proportionate enforcement at a local level against the emissions of smoke within a smoke control area.
- Give local authorities powers to address pollution from solid fuel burning on inland waterway vessels (e.g. canal boats) in smoke control areas.
- Strengthen the offences in relation to the sale and acquisition of certain solid fuels for use in smoke control areas, by removing the limit on the fine for delivering unapproved solid fuels to a building in a smoke control area, and requiring retailers of solid fuels to notify customers that it is illegal to buy unapproved fuel for use in a smoke control area unless burning in an approved appliance.

3.2 Biodiversity

The Environment Bill will contribute to the recovery of our natural environment, improving biodiversity and protecting urban street trees. It will also enable localised

² <https://www.gov.uk/government/publications/environment-bill-2020/10-march-2020-air-quality-factsheet-part-4>

action to be taken across the country, directing investment in nature where it is most needed.³

The nature and biodiversity part of the Environment Bill provides a framework of measures to support nature’s recovery in line with the ambition set out in the Governments 25 Year Environment Plan. A link to the plan is https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/693158/25-year-environment-plan.pdf

Within the Bill there are six main measures which together are designed to deliver long-lasting action for nature as shown in the table below:

Measure	Action
A strengthened biodiversity duty	The duty within The Natural Environment and Rural Communities (NERC) Act 2006 will be amended so that there is an expectation on public authorities to look strategically at their policies and operations (at least every 5 years) and assess what action they can take ‘to further’ the conservation and enhancement of biodiversity. They must also have regard to the relevant Local Nature Recovery Strategies (LNRSS) as part of the consideration. The Bill also introduces a streamlined reporting duty which requires local authorities and designated large landowning public authorities to produce a Biodiversity Report every five years
Biodiversity net gain	The Bill will make it mandatory for housing and development, subject to some narrow exemptions, to achieve at least a 10% net gain in value for biodiversity – a requirement that habitats for wildlife must be left in a measurably better state than before the development. Developers must submit a ‘biodiversity gain plan’ alongside usual planning application documents. The local authority must assess whether the 10% net gain requirement is met in order to approve the biodiversity gain plan. If net gain is not achievable on-site, the biodiversity gain plan will need to include off-site habitat enhancements, in line with the mitigation hierarchy; the local authority must be satisfied that this is secured through a planning obligation or conservation covenant. If habitats are significantly enhanced within the development site, these improvements must be secured in the same way or through a planning condition.
Local Nature Recovery Strategies	Local Nature Recovery Strategies are a new system of spatial strategies for nature, covering the whole of England. Each strategy will, for the area that it covers: <ul style="list-style-type: none"> •map the most valuable existing habitat for nature •map specific proposals for creating or improving habitat for nature and wider environment goals •agree priorities for nature’s recovery This new mandatory system of spatial strategies for nature, will cover the whole of England. Locally led by an appropriate ‘responsible authority’, these will identify the opportunities and

³ <https://www.gov.uk/government/publications/environment-bill-2020/10-march-2020-nature-and-conservation-covenants-parts-6-and-7>

Measure	Action
	<p>priorities for enhancing biodiversity and supporting wider objectives such as mitigating or adapting to climate change in an area. The Bill will give the Secretary of State the power to determine what area each LNRS should cover and to appoint a ‘responsible authority’ to lead its production and publication. LNRSs will guide smooth and effective delivery of biodiversity net gain and other nature recovery measures by helping developers and planning authorities avoid the most valuable existing habitat and focus habitat creation or improvement where it will achieve the most.</p>
<p>Duty to consult - Trees</p>	<p>This clause introduces a duty on local highway authorities to consult with local communities before felling street trees, unless the trees qualify for certain exemptions. Guidance for local highway authorities will be provided to determine whether trees are exempt. This will give communities an opportunity to understand why a tree is being felled in their local area and, if they wish, to raise concerns to the local highway authority regarding the felling of trees. This will increase transparency around decisions over these green assets.</p>
<p>Strengthening forestry enforcement measures</p>	<p>The forestry enforcement measures will increase fines for illegal felling (to unlimited fines); introduce a court ordered Restocking Order to be made by the courts and allow for the Forestry Commission to list Restocking Notices and Enforcement Notices on the Local Land Charges register. They will also streamline the administrative process for the Forestry Commission; and provide clarity to some existing clauses, making it easier to enforce where illegal activity has taken place. These amendments will increase the deterrent for illegal felling and streamline administration for the Forestry Commission.</p>
<p>Conservation covenants</p>	<p>These are voluntary but legally binding agreements between a landowner and a designated “responsible body” such as a conservation charity, public body or for-profit body to conserve the natural or heritage features of the land. Conservation covenants can contain positive and restrictive obligations to fulfil conservation objectives for the public good. Generally, they will bind subsequent landowners and therefore have the potential to deliver long-lasting conservation benefits.</p>
<p>Proposed amendments: species conservation and protected site strategies</p>	<p>A Species Conservation Strategy is a new mechanism to safeguard the future of particular species at greatest risk. They build on the success of the district level licensing (DLL) approach for great crested newts.</p> <p>A Protected Site Strategy will seek to achieve a similar purpose in respect of protected sites. The concept of a Protected Site Strategy is broad and it includes any approach to mitigation or compensation that is wider than the individual project level. They will be particularly helpful where evidence shows sites are being affected by a range of different offsite activities.</p> <p>The amendments will place a new duty on local planning authorities to cooperate with Natural England and other public bodies in the establishment and operation of the Strategies.</p>

Measure	Action
	Species and Protected Sites Strategies are targeted tools to help particular species and sites. Where these strategies are created, the relevant measures that they propose will be integrated into the LNRs for the whole area – which will consider wider opportunities for enhancing biodiversity beyond these particular species and habitats

3.3 Water

The measures in the Bill address seven elements of our stewardship of water in the environment. These are shown below:

Measure	Action
Water Resources Management	The current statutory water resources planning process will be amended to ensure there is more effective collaboration between water companies and other sectors to manage supply and demand, deliver resilience against droughts and facilitate environmental improvement through a better understanding of environmental need.
Drainage and Sewerage Management	Drainage and sewerage management planning will be a statutory duty. Such planning, through which companies examine and investigate the capacity of their networks, will enable better risk-based assessments of current drainage and wastewater issues, impacts on the environment and long-term planning, improving our resilience to extreme weather events and risks of sewer/ surface water flooding.
Water Industry Regulation	The process for modifying water and sewerage company licence conditions will be modernised. The current process can constrain their responsiveness to Government priorities; increase regulatory uncertainty for the industry; and create divergence between individual companies' licence conditions. Bringing the process in line with other utility sectors will strengthen OFWAT's ability to improve the way water companies operate. The measures will also improve the information OFWAT receives from those companies about their operations and update the process for serving documents under water industry legislation.
Water Abstraction	Steps will be taken to further minimise the risk that water abstraction may damage the environment from which it is being taken. The measure will enable the revocation or variation of permanent abstraction licences, many dating back to the 1960s, without liability for compensation where the change is necessary to protect the environment or where the licence is consistently under-used.
Water Quality	Powers will be provided to enable the Secretary of State to maintain the list of priority substances used to assess the chemical status of water bodies in line with the latest scientific and technical knowledge, once existing powers to update it (section 2(2) European Communities Act 1972) are revoked.

Measure	Action
Solway Tweed River Basin District:	The way in which the cross-border Solway Tweed river basin district is administered by UK and Scottish Ministers and their respective agencies will be simplified, in order to better reflect devolved competence and bring administrative efficiencies.
Land Drainage	Technical barriers will be addressed which currently prevent existing internal drainage boards from expanding and new ones being established, where there is local support to do so. The measure will enable certain valuation calculations to be stipulated (and updated) in secondary legislation, addressing the issue of missing or incomplete data that currently prevents internal drainage boards from expanding because they cannot update the calculations used to apportion their expenses.

3.4 Resource Efficiency and Waste Reduction

The Environment Bill will increase efficiency in our use of resources. It will enable us to fundamentally change the way we use resources, whilst reducing polluting plastic waste, increasing rates of recycling and making the products we use every day more durable and easier to recycle. It also contains the powers for the Government to ban the export of polluting plastic waste to non-OECD countries.⁴

Through the Environment Bill the powers necessary to deliver on many of the commitments in the Resources and Waste Strategy will be mandated, such as to reform the UK Packaging Producer Responsibility system and to introduce greater consistency in recycling collections in England as well as to improve enforcement against littering.

More significantly, the Bill presents a rare opportunity to provide the broader legislative framework needed to transform the way we manage our resources and waste. For example, it will not just allow the Government to make packaging producers responsible for the costs of managing their products when they become waste and introduce a deposit return scheme for drinks containers, but will allow for the introduction of producer responsibility schemes for other waste streams in the future. This is because such schemes and other mechanisms such as resource efficiency standards, are seen as having a significant role to play in reducing our impact on the environment and moving to a circular economy.

The table below shows the measures within the Environment Bill intended to address resource efficiency and waste reduction:

Measure	Action
Extended Producer Responsibility	Powers to introduce extended producer responsibility will be implemented which will enable the Government to reform the existing producer responsibility schemes and introduce schemes for additional products in the future. These powers will ensure producers can be held responsible for the end-of-life costs of managing their products, thus incentivising them to design their

⁴ <https://www.gov.uk/government/publications/environment-bill-2020/10-march-2020-waste-and-resource-efficiency-factsheet-part-3>

	<p>products with re-use, recycling and repairing in mind. It is intended to introduce an extended producer responsibility scheme for packaging in 2023.</p> <p>The Bill also clarifies that producer responsibility obligations can be extended to the prevention of waste and the redistribution of surplus products and materials.</p>
Consumer Choice	<p>Powers to introduce clear labelling and consumer information will be implemented to enable consumers to identify products that are more durable, repairable and recyclable and to inform them on how to dispose of used products.</p> <p>Powers will be implemented to enable charges for single-use plastic items, similar to the carrier bag charge, to incentivise consumers to use more sustainable items.</p> <p>Consideration is being given to the introduction of a Deposit Return Scheme for cans, plastic and glass bottles, though the specific details, including the material and drinks to be in scope, will be developed using further evidence and ongoing engagement with stakeholders. The proposed scope and model of a deposit return scheme will be presented in a second consultation.</p> <p>The implementation of a deposit return scheme will support consumers to reduce litter and reuse and recycle more. It is intended that a deposit return scheme will be introduced from 2023.</p>
Consistent set of materials	<p>The Bill stipulates a consistent set of materials to be collected from all households, including food waste and potentially the provision of a free garden waste collection. Subject to a technical, economic and environmental test these materials are to be collected separately. Subject to further consultation, these requirements would come into force from 2023.</p>
Waste Crime	<p>Measures to tackle waste crime will improve the management of waste, better enabling its use as a resource and reducing the risk of economic, environmental and social harm that illegal activity often causes. This includes powers to introduce a digital system to track waste movements. Measures will also ensure agencies and authorities can work more effectively to combat waste crime through better access to evidence and improved powers of entry.</p> <p>Existing provisions on enforcement against littering and related offences will be improved and extended to ensure this is carried out proportionately and in a way which retains public trust.</p> <p>The Bill also contains powers which will allow Government to ban or restrict the exports of waste, including plastic waste to non-Organisation for Economic Co-operation and Development countries. Government will consult with industry, NGOs and local authorities on any specific restrictions or prohibitions.</p>

The majority of the above measures will need secondary legislation before they can be implemented. Where that is the case the Government will develop the evidence, identify full costs and benefits and consult on detailed proposals, as appropriate, prior to implementation. Indeed, further consultation will follow on consistency in recycling,

reforming the UK packaging producer responsibility system and introducing a deposit return scheme for drinks containers⁵.

The Government has stated that it will fully fund all new burdens arising from the Environment Bill recognising the financial pressures local authorities will face from new statutory duties proposed by the Bill.

The changes will mean that local authorities will be collecting more materials for recycling which may mean additional equipment – such as food waste bins for householders and the Government states it will allow sufficient time to adapt to the new duties and to communicate changes with householders.

4. Governance

The legally-binding targets will be monitored through the creation of an environmental enforcement body, the Office for Environmental Protection (OEP), which as well as assessing levels of environmental improvement will be able to hold the Government to account on achieving the targets it has set. As a further safeguard, people will be able to complain to the OEP if they think their Council, the Government or any other public authority has broken environmental laws.

In addition to legally binding targets the Government wants to transform the UK's environmental governance through the creation of statutory Environmental Improvement Plans (EIP's). In the Environmental Improvement Plan, the Government will set interim targets for each five-year period and lay out the steps it intends to take to improve the natural environment.

'A Green Future: Our 25 Year Plan to Improve the Environment'. which was published in 2018 and updated in 2019 will be adopted as the first Environmental Improvement Plan. Both the targets and the EIP's will be supported by this new statutory cycle of monitoring, planning and reporting.

The Bill framework requires Government to periodically review its targets, by carrying out a Significant Improvement Test at least every five years with the first Significant Improvement Test being conducted in January 2023. This means that Government must consider whether meeting its long-term targets and the PM_{2.5} target (particulate matter), alongside any other relevant statutory environmental targets, would significantly improve the natural environment in England. It must report to Parliament on its conclusions and, if it considers that the test is not met, set out how it plans to use its target-setting powers to close the gap.

The OEP will hold the Government to account on progress towards achieving targets and every year can recommend how it can make better progress, to which Government must respond.

⁵ <https://www.gov.uk/government/publications/environment-bill-2020/10-march-2020-waste-and-resource-efficiency-factsheet-part-3>

5. Implications of the Environment Bill for the Council

The measures within the Environment Bill will be cross cutting across the Council. The table below shows some examples of the possible impact on the services provided by the Environment Department relating to some of the proposed measures outlined in the Environment Bill:

Activity	Possible Impact for Council
Consistent set of materials	Will affect the Councils recycling rate Increase in costs which will be met by Government. Reduce the amount of residual waste collected in the black lidded bins. Could increase mileage and fuel consumption within the fleet.
Deposit Return Scheme	A well-designed deposit return scheme could lead to a minimal amount of deposit return scheme containers ending up in kerbside collection. Therefore, potentially reducing the amount of recyclables collected and so could affect the Councils recycling rate. Possible loss of income from the glass collection.
Commons set of recyclables	Create uniformity and reduce contamination.
Common set of labelling	Create uniformity and reduce contamination.

The Council's current Waste Strategy covers the period 2016-2020. The measures mandated as part of the Environment Bill will significantly shape the Councils waste and recycling services over the coming years. It is therefore intended that once the Bill has received Royal Assent and is ratified into law, and, the full implications in terms of mandatory functions and appropriate timescales for implementation are known, the Council's Waste Strategy will be updated accordingly to reflect the requirements of the Bill.

A watching brief will be kept on the progress of the Bill, including any pending consultations, and further reports will be brought to Committee in due course for consideration and approval by Members.

Report of the Strategic Director

THE TEN POINT PLAN FOR A GREEN INDUSTRIAL REVOLUTION1. Purpose of report

To update Members on 'The Ten Point Plan for a Green Industrial Revolution'.

2. Background

On 18 November 2020 the Government published 'The Ten Point Plan for a Green Industrial Revolution'. In addition to creating and supporting new jobs the plan is also intended to act as a blueprint for the UK to achieve net zero by 2050.

The Ten Point Plan covers several interconnected areas ranging from clean energy through to innovative technologies. It will mobilise billions of pounds of Government investment and it is envisioned that it will spur over three times as much private sector investment by 2030.

Further information on the Ten Point Plan is shown in the appendix.

3. Financial implications

There are no financial implications at this stage. Technology, funding and investment is changing rapidly. The Council will continue to monitor the arrangements nationally and work to take advantage where possible of the activities contained within the Government's 'Ten Point Plan for a Green Industrial Revolution'.

Recommendation

The Committee is asked to NOTE the report

Background papers

Nil

APPENDIX

1, The Ten Point Plan

An overview of the ten activity points within the plan together with their associated impacts are shown in the table below.

Activity	Policy Impacts
Advancing Offshore Wind	By 2030 the UK should produce enough offshore wind to generate more power than all our homes use today. In order to achieve this the amount of offshore wind produced will be quadrupled to 40GW and supported by £160 million investment in infrastructure. A projection of 60,000 jobs will be created and around £20 billion of private investment will be attracted into the sector.
Driving the Growth of Low Carbon Hydrogen	Working in conjunction with industry, it is the Government's ambition that the UK should generate 5GW of low carbon hydrogen production capacity by 2030. In addition, Government are looking to develop the first town heated entirely by hydrogen by the end of the decade. Around 8000 jobs will be created by 2030 and supported by £240 million funding and over £4 billion of private investment.
Delivering New and Advanced Nuclear Power	Government will look to advance nuclear as a clean energy source. This will be achieved not only through large scale nuclear projects, but also through the development of a new generation of small and advanced reactors. This could support up to 10,000 jobs.
Accelerating the shift to zero emissions vehicles	Government will support car manufacturers to accelerate the transition to electric vehicles. From 2030 the sale of new petrol and diesel cars and vans will be ended though the sale of hybrids will be extended for 5 years with 100% zero emission from 2035. Government has committed to £1 billion to support the electrification of UK vehicles and their supply chain including development gigafactories to produce the batteries needed at scale. The first £500 million of investment will be in this parliament. A further £1.3 billion will be invested on the roll out of charging infrastructure targeting support on rapid charge points on motorways and major roads as well as on-street charge points near homes and workplaces. A further £582 million will be available to extend the 'Plug-In' grants to 2022/23. A consultation exercise will be undertaken in 2021 on the phasing out of new diesel heavy goods vehicles (HGV) with £20 million investment in 2021 in freight trials in hydrogen and other zero emission lorries. The measures will support around 40,000 new jobs by 2030 and will attract around £3 billion in private investment by 2026.
Green Public Transport,	Government will look to make cycling and walking more

Activity	Policy Impacts
Cycling and Walking	attractive ways to travel including the creation of new cycle lanes and creation of more low-traffic neighbourhoods. In 2021 £120 million will be released as investment in thousands of zero-emission buses. Investment will be released to increase the electrification of the railway lines. Up to 3000 jobs will be created by 2025 with £5 billion of Government investment in this parliament.
Jet zero and green ships	Government will support the greening of difficult-to-decarbonise industries through research projects for zero-emission planes and ships. Up to 5,200 jobs supported by the production of Sustainable Aviation Fuels.
Greener Buildings	It is Government's intention to make the UK's homes, schools and hospitals greener, warmer and more energy efficient. This programme of work will help create 50,000 jobs by 2030. A target has also been set for 600,000 heat pumps to be installed every year by 2028. An additional £1 billion in funding has been announced for various grant schemes together with around £11 billion of private investment expected in the 2020's.
Investing in carbon capture, usage and storage (CCUS)	The UK should become a world-leader in technology to capture, use and store carbon. A target has been set for developing CCUS technology in 4 'Superplaces' to capture 10Mt of carbon dioxide a year by 2030. CCUS technology captures carbon dioxide from power generation and other production processes and stores it deeply underground where it cannot enter the atmosphere. This will support around 50,000 jobs by 2030 with up to £1 billion of public investment by 2025.
Protecting our natural environment	It is Government's intention to protect and restore our natural environment with the creation of new National Parks and Areas of Outstanding Natural Beauty. The new sites will play a key part of the Government's commitment to protect and improve 30% of UK land by 2030. Landscape Recovery projects could create wildlife rich habitats areas the size of 30,000 football pitches. Up to 20,000 jobs from improving flood and coastal defences by 2027 with £5.2 billion investment and £40 million investment on jobs to help improve biodiversity and tackle climate change.
Green Finance and Innovation	Government will support the development of the cutting-edge green technologies needed to achieve net zero. Government will release £1 billion funding for net zero innovation together with £1 billion of matched funding and potentially £2.5 billion on private sector funding with the potential to create hundreds of thousands of jobs by 2030.

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Report of the Strategic Director

FUEL AND TRANSPORT AND FLEET STRATEGY STRAND UPDATE1. Purpose of report

To provide Members with an update on the progress of the Fuel and the Transport and Fleet Strategy Strands of the Climate Change and Green Futures Programme.

2. Background

Following the adoption of the Climate Change and Green Futures Programme in September 2020 this is the first in series of update reports coming to the Environment and Climate Change Committee. The update reports will expand on the progress of the strategic actions within the relevant Strands.

Further information relating to achievements so far with regards both the Fuel and the Transport and Fleet Strand are expanded upon in appendix 1. An example of the data which can be extracted is shown in appendix 2.

Further update reports will be produced on the each of the Strategic Strands throughout the Environment and Climate Change Committee cycle.

3. Financial implications

There are no financial implications at stage. Further reports will be brought to Committee in due course should the financial position change.

Recommendation

The Committee is asked to NOTE the report.

Background papers

Nil

APPENDIX 1**1. Transport and Fleet Strand**

The Transport and Fleet Strategy provides a framework for procurement and management of the Councils fleet and plant required to support the delivery of front line services and transition to carbon net zero by 2027. In support of this the following initiatives are in progress.

Western Power (Power supplier to the depot) have been contacted in order to make arrangement for the site to be surveyed to ascertain the electrical load capacity within the depot. At the time of writing this report Western Power have not confirmed the date of the survey although it is anticipated that this will be before the end of March 2021. The information obtained from the survey will be the starting point for creating a roadmap for how the depot could be able to support a transition to the electrification of the fleet. A full report will be provided to Members in due course, inclusive of any financial implications.

In support of the above contact has also been made with other Local Authorities within Nottinghamshire in order that lessons can be learned, both positive and negative, from those that are a little further ahead with the electrification of their fleet. The learning obtained is aimed at helping the Council review progress to date and inform future approaches. As part of the learning process the Council will arrange a viewing and demonstration of an electric refuse vehicle and use this arrangement to capture how these vehicles perform in the field. Where possible, opportunities will be created to allow Members and employees to view the new technology. It is hoped that the demonstration will be arranged before the end of March 2021.

2. Fuel Strand

The Council's emissions from transport fuel account for 36% (831TCO_{2e}) of the Council's total emissions. The management and reduction of fuel usage therefore plays an integral part of achieving net carbon zero by 2027.

Progress has been made on leveraging the benefits of the Councils current onboard vehicle monitoring system which is a recent upgrade to the Vehicle Tracking system contract at zero cost. This system is in place for all light commercial vehicles.

This system enables the capture of driver behavior whilst carrying out driving activities through the use of driver ID tags. The system identifies and records activities such as excessive speeding, harsh cornering, acceleration and braking.

The data obtained over the next few months will allow a driver training program to be established in 2021/22 to address the common themes within driving performance. Where it is evident that there are also drivers who are not driving as environmentally and economically as they could these will also be addressed on an individual basis. This will ensure the continuation of safe economical driving as well reducing the of whole life vehicle cost and improving the Councils green performance.

An example of the data which can be extracted is shown in appendix 2

APPENDIX 2

Example activity report showing summaries of driving, idling and stopped times for vehicles and highlighting those which have been idling excessively.

Group	Start	End	Total Time	Moving	% Moving	Idling ▾	% Idling	Stopped	% Stopped	Stops	Miles
Field Service	17/07/19 16:08:20	17/07/19 20:00:23	03:52:03	02:56:35	76.10	00:12:05	5.21	00:43:23	18.70	5	75.2
Field Service	17/07/19 08:36:12	17/07/19 16:21:56	09:45:44	02:56:40	30.16	00:03:49	0.65	06:45:15	69.19	6	115.0
Transport	17/07/19 06:27:06	17/07/19 21:10:29	14:43:23	10:34:09	71.79	00:29:34	3.35	03:39:40	24.87	15	258.9
Cold	17/07/19 03:41:46	17/07/19 20:33:07	16:51:21	10:10:29	60.36	03:38:14	20.79	03:10:38	18.85	11	339.3
Field Service	17/07/19 05:27:23	17/07/19 20:11:09	14:43:46	04:29:53	30.54	00:28:52	3.27	09:45:01	66.20	22	110.0
Field Service	17/07/19 06:05:38	17/07/19 21:52:40	15:47:02	08:53:22	56.32	00:13:35	1.43	06:40:05	42.25	11	395.2
Field Service	17/07/19 06:28:30	17/07/19 14:23:13	07:54:43	03:18:51	41.89	00:06:55	1.46	04:28:57	56.65	13	89.5
Construction	17/07/19 04:10:35	18/07/19 02:16:18	22:05:43	08:53:36	40.25	11:21:45	51.43	01:50:22	8.33	6	405.5
Field Service	17/07/19 06:32:07	17/07/19 17:58:56	11:26:49	01:27:31	12.74	00:21:42	3.16	09:37:36	84.10	7	26.4
Construction	17/07/19 07:48:25	17/07/19 16:10:24	08:21:59	04:15:10	50.83	01:27:11	17.37	02:39:38	31.80	12	84.3
Field Service	17/07/19 06:33:27	17/07/19 14:59:00	08:25:33	03:04:48	36.55	00:02:59	0.59	05:17:46	62.86	8	103.8

In addition to the idling report the system will also allow further reports to be extracted such as the following:

Driving Behaviour (Summary) Driver Behaviour
EcoDriving Report (Summary) Driver Behaviour
EcoScore Report (Chart) Driver Behaviour
Speeding Detail Report Speeding
Speeding Report (Summary) Speeding
Utilisation Report (Detailed per vehicle/driver day)

All of these reports are customisable to enable less important data to be filtered so the most important information can be quickly and easily acquired.

Report of the Strategic Director

GREEN NUMBER PLATES1. Purpose of report

To advise Members of progress with the introduction of Green Number Plates, a key action identified as part of the Transport and Fleet Strategy which will assist in enabling the Council to achieve net carbon zero by 2027.

2. Background

In July 2019 the Council recognised that climate change was one of the most important issues we face not just locally but also nationally and worldwide. To respond to this challenge, the Council declared a climate change emergency and in September 2020 adopted the Climate Change and Green Futures programme.

The Green Futures programme identifies 15 strands, with each section providing context in terms of what has been achieved and what actions are required for the future. Two of the strategies Fuel and Transport and Fleet which have been adopted contain a series of key strategic actions that will enable the Council to deliver its carbon neutral target.

This report provides an update on Action 9 of the Transport and Fleet Strategy the introduction of Green Number Plates details of which are provided in the appendix.

3. Financial Implications

There are no financial implications arising from this report.

Recommendation

The committee is asked to NOTE the progress of introducing Green Number Plates one of the 9 key objectives within the Transport and Fleet Strategy.

Background papers

Nil

APPENDIX

Green Number Plates**1.0 Why Green Plates?**

Within the Transport Strategy one of the key actions is a commitment to introduce Green Number Plates. This is a UK government initiative that will enable residents and stakeholders to differentiate vehicles whose carbon footprint is low or negligible based on their environmental impact or tailpipe emissions.

Recently (18/11/20) the Prime Minister has given a commitment to cease the sales of petrol and diesel cars and vans from 2030.

Sales of pure electric cars are on the increase and zero emissions electric cars and vans accounted for 2.7% of all new registrations in January 2020, a significant rise from below 1% in 2019.

In May 2020 the total number of pure electric cars on UK roads has reached nearly 120,000.

The government considers that the introduction of Green Number Plates will help to boost this number enabling emission reduction targets to be achieved.

2.0 Green Number Plates

Nationally number plates are a way of identifying vehicles and are allocated to vehicles as part of the registering process.

To prepare for the mass adoption of electric vehicles and to encourage residents to move to low emission vehicles the UK Government has developed Green Number Plate Plan a scheme that will enable manufacturers and users to differentiate low emission vehicles as a way of raising awareness and identifying the revolution that is taking place in road transport.

Green Number Plates will only be eligible to be displayed by vehicles whose tailpipe emissions are zero; this means that they will be either full battery electric or hydrogen.

The government has indicated that the display of Green Number Plates will not be mandatory and for those electric vehicles already registered a retrofit scheme will be available enabling Green Number Plates to be fitted.

The Council currently has within its transport fleet two ultra-low electric vans (ULEV's) and with the adoption of this report it is proposed to re-plate the vans with Green Number Plates providing an example of Council leadership to our residents encouraging the shift to cleaner vehicles.

3.0 The Plates

Front plate:



Rear plate:



The design and consultation process for identifying green number plates was launched by the Department of Transport in June 2020. The consultation identified that the preferred option would involve a green flash on the left hand side of the plate and a sample of the front and rear plates are shown in the diagram above.

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Report of the Strategic Director

CLIMATE CHANGE AND GREEN FUTURES PROGRAMME UPDATE

1. Purpose of report

To provide an update to Members on the progress made with the Council's Climate Change and Green Futures programme and the Communications Campaign Plan supporting the programme.

2. Background

Members will recall the first Climate Change and Green Futures Programme update report presented to the November 2020 Environment and Climate Change Committee.

This report is the second Programme update report and contains, at appendix 1, a list of the strategic actions for each project strand, the responsible officer, the target date and a narrative, where appropriate to indicate the progress made. The format of the strategic actions will follow the Council's Business Plans to provide consistency of reporting and familiarity for both officers and Members.

At appendix 2, Members will find the progress made against the actions included in the Communications Campaign Plan, much of the campaign is already under development.

3. Financial implications

There are no current financial implications. However, as the Climate Change and Green Futures Programme matures any emerging financial implications will be reported to the committee.

Recommendation

The Committee is asked to NOTE the progress of the Climate Change and Green Futures Programme






Background papers

Nil






Climate Change and Green Futures progress report



The key to the symbols used in the is as follows:

Action Status Key






Icon	Status	Description
	Completed	Action/task has been completed
	In Progress	Action/task is in progress and is currently expected to meet the due date
	Warning	Action/task is approaching its due date (and/or one or more milestones is approaching or has passed its due date)
	Overdue	Action/task has passed its due date
	Cancelled	Action/task has been cancelled or postponed



Strand 01: Climate Change Strategy

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Establish a baseline for CO ₂ emissions for 2018/19 focusing on level 1 and level 2 emission sources. Compare with previous baseline and report position	Strategic Director / Head of Environment	100%	Mar-2020	Completed February 2020 in partnership with the Carbon Trust
Completed 	Action 2	Ensure methodology followed in strategic action 1 is repeatable for subsequent years moving forward, allowing progress to be measured more accurately.	Strategic Director / Head of Environment	100%	Feb-2020	Completed February 2020
In Progress 	Action 3	Establish a baseline for CO ₂ emissions based on level 3 emission sources (e.g. impact of supply chain, housing stock, employee travel to and from work)	Strategic Director / Head of Environment	25%	Mar-2021	Methodology determined with the assistance of the Carbon Trust. Work has begun to analyse the overall spend and apply the UK Government methodology for level 3 emission sources. The target date has been amended from Jun-2020 to reflect the delay incurred due to COVID-19.
In Progress 	Action 4	Deliver the Climate Change and Green Futures Programme	Strategic Director	5%	Mar-2021	Initial base line complete. Climate Change Strategy (Carbon Management Plan) Adopted. Transport and Fleet Strategy adopted.
Completed 	Action 5	Creation of a Climate Change Strategy and Carbon Management Plan (CMP)	Strategic Director	100%	Jun-2020	Completed September 2020



Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Develop further strategic actions following the carbon footprint analysis and partnership engagement.	Strategic Director / Head of Environment	N/A	On-going	As part of the update provided to committee in September 2020 a review and enhancement of actions took place.
Not started	Action 7	Using the principles of Carbon Budgeting create an approach that aligns with the budget process and determines and informs the level of CO ₂ e anticipated from investments in service provision	Strategic Director		Mar-2022	
Not started	Action 8	Investigate what funding opportunities exist to assist with the creation of Ecoteams within Broxtowe	Head of Environment		Mar-2022	
In Progress 	Action 9	Support the delivery of the actions with the Local Energy Partnership (LEP) Energy Strategy	Head of Environment / Head of Property	5%	On-going	Engagement commenced



Strand 02: Fuel



Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Environmental Services	100%	August 2020	
In Progress 	Action 2	Reschedule the dry recycling rounds in order to deliver economies in regards to fuel usage and better utilisation of vehicles in the fleet.	Waste and Climate Change Manager		March 2021	Initial discussions have commenced
In Progress 	Action 3	Reschedule the green waste rounds in order to deliver economies in regards to fuel usage and better utilisation of vehicles in the fleet.	Waste and Climate Change Manager		March 2021	Initial discussions have commenced
In Progress 	Action 4	Technology: Introduction of electric vehicles where practical and economic aligned to the capital replacement programme.	Transport and Stores Manager	Ongoing	To be completed annually	Small electric vans programmed into 2021/2022 capital programme
In Progress 	Action 5	Technology: Proactively monitor vehicle emissions utilising the Fuel Monitoring IT System utilising analysis to inform capital replacement programme.	Transport and Stores Manager	Ongoing	To be completed annually	Small electric vans programmed into 2021/2022 capital programme, existing vehicles monitored on annual servicing.


Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Technology: Utilising data from the on board Vehicle Monitoring IT System (for example recording harsh braking, excessive speeding and harsh cornering) inform the delivery of a programme of driver training – this will address safety, fuel economy, extended vehicle life and reduced emissions.	Transport and Stores Manager	50%	November 2020	Reports set up to establish driver behaviour.
In Progress 	Action 7	Technology: Introduction of electric solutions for plant equipment where practical and economic aligned to the capital replacement programme.	Transport and Stores Manager	5%	To be completed annually	Ongoing trials of small plant and equipment.

Strand 03: Transport and Fleet





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Create a new Transport and Fleet Strategy with a focus where economically appropriate on electric vehicles.	Transport and Stores Manager	100%	August 2020	The new Transport and Fleet Strategy was adopted by the Environment and Climate Change Committee 14 September 2020.
Not started	Action 2	Develop a plan for the further introduction of appropriate infrastructure to support potential growth in the electric fleet and growth in domestic use of electric vehicles.	Transport and Stores Manager		March 2022	Two charging points have been installed at Council sites. An exercise will be commenced in 2021 to evaluate the electrical load capacity within the depot. This will enable a roadmap to be created which details the infrastructure and resources which would be needed to transition to an electric fleet.
Not started	Action 3	Using available data, produce a report on vehicle types registered in the Borough along with scenarios indicating the behavioural change necessary to help achieve net zero by 2027.	Transport and Stores Manager		March 2022	
Completed 	Action 4	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Transport and Stores Manager	100%	August 2020	The Climate Change and Green Futures programme report presented to the Environment and Climate Change Committee 14 September 2020 included this analysis and is linked to the Communications Campaign Plan.






Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Technology - The Council has a fleet of 8 small vans (Below 2 Tonnes). Two of these vehicles have already been replaced with all electric vehicles and over the period to 2024 the remaining 6 vehicles where practical and economic (As they reach a life of 12 years) will be replaced with all electric models.	Transport and Stores Manager	5%	2021-2024	As the vehicles approach their end of life expectancy they will be replaced with the latest cost effective technology. This will be in conjunction with local authority trials, current consortium contracts and manufacturers data. Two further electric small vans will be purchased in 2021/22. These replacements will improve the green credentials of the fleet with the removal of older Euro 5 higher emission type vehicles
In Progress 	Action 6	Capital Investment- The Capital Vehicle replacement programme for those HGV's (Refuse Freighters 26 Tonnes) identified for replacement will be replaced with Euro standard engines (Euro 6 onwards). Before purchasing consideration will be given based on practicality and economics of the adoption of new technologies that have come to market this includes potential electric and hydrogen propulsion methods.	Transport and Stores Manager	50%	2021-2024	Principle adopted with ongoing review of low emission technology availability.





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 7	Technology - For small plant such as hedge trimmers, blowers, and strimmers where practical and economic these will be replaced with electric powered units. Technological developments in this field are rapid and the Grounds Maintenance Manager has been tasked with keeping abreast of new developments and trialling new developments as they come to market.	Transport and Stores Manager	5%	2021-2024	Ongoing trials of small plant and equipment; where appropriate and cost effective traditional petrol equipment will be replaced with battery items. A small amount of equipment has already been replaced such as blowers, strimmers and hedge cutters.
In Progress 	Action 8	Technology -Working pro-actively with the Nottingham Vehicle Consortium (District Councils) and industry suppliers a watching brief will be maintained on new and developing technologies this includes IT developments, and the move towards electric and hydrogen traction for heavy goods vehicles. Decisions on purchasing new technologies will depend on practical and economic factors when consideration is being given with regards to acquisition of this new technology.	Transport and Stores Manager	5%	Through to 2024	As the vehicles approach their end of life expectancy they will be replaced with the latest cost effective technology. This will be in conjunction with local authority trials manufacturers data and current consortium contracts. The consortium contracts with manufactures are reviewed every three years.


Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 9	Green number plates. The Department of Transport / GOV.UK is currently consulting on the introduction of green number plates as a means of differentiating vehicles whose carbon footprint is low or negligible based on their environmental impact and tailpipe emissions. If adopted the council will wish to provide community leadership by displaying such number plates on its vehicles that meet such low emission standards	Transport and Stores Manager	5%	2020	Green number plates are currently in the government consultation stage; these are to be fitted to all electric vehicles when available. A report is included in the agenda for the Environment and Climate Change Committee 1 February 2021.

Strand 04: Energy and Building Infrastructure




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Capture and analyse the achievements to date in regards to energy consumption / creation to inform the approach moving forward and to inform the overarching communications programme.	Head of Property Services	100%	July 2020	
In Progress 	Action 2	Determine and report on approaches that will assist in reducing the organisations energy consumption further.	Head of Property Services	50%	December 2020	Carbon Trust report describes the approaches from which further actions will flow. Target date changed to link with Action 4.
Completed 	Action 3	Capture and analyse the achievements to date in regards to building infrastructure to inform the approach moving forward and the overarching communications programme.	Capital Works Manager	100%	July 2020	
In Progress 	Action 4	Determine and report on approaches that will further assist the Council’s building infrastructure reduce its carbon emission.	Head of Asset Management / Capital Works Manager	50%	December 2020	Carbon Trust report describes the approaches from which further actions will flow.





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 5	Leisure Centres (708t CO2e 2018/19): Replace the Combined heating and Power (CHP) system at Bramcote (already budgeted for in 2020/21).	Head of Property Services	100%	October 2020	Completed June 2020
In Progress 	Action 6	Leisure Centres (708t CO2e 2018/19): Proceed with the Leisure Facilities Strategy which may lead to more efficient new buildings (longer term and requires very significant funding).	Head of Property Services	50%	March 2021	Leisure Facilities Strategy reported to Policy and Performance Committee 1 October 2020. Agreed that further studies are to be commissioned and reported on. Target date adjusted from September 2020 to March 2021.
In Progress 	Action 7	Bramcote Crematorium (308t CO2e 2018/19): Replace cremators with more efficient new ones and install heat exchanger (funding should become available from a land sale in 2021/22).	Head of Property Services	10%	March 2022	Initial quotes have been obtained, scheme is reliant on a land sale which is still being negotiated. Scheme will require a full tendering process.
In Progress 	Action 8	Kimberley Depot (265t CO2e 2018/19): Investigate reasons for recent increased of gas usage and introduce counter-measures .	Head of Property Services	50%	March 2021	Low cost measures have already been identified and implemented. Higher cost measures will be implemented by March 2021.
In Progress 	Action 9	Kimberley Depot (265t CO2e 2018/19): Introduce more LED lighting (within existing approved budgets).	Head of Property Services	10%	March 2022	Quotes have been obtained.




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 10	Council Offices (77t CO2e 2018/19): Ensure heating and insulation is optimised (within existing approved budgets).	Head of Property Services	10%	March 2022	Quotes have been obtained.
In Progress 	Action 11	Sports Pavilions (60t CO2e 2018/19): Continue with ad-hoc replacement of heating, hot water and lighting systems as older less-efficient systems become due for replacement (within existing approved budgets).	Head of Property Services	10%	On-going	Principles have been established and adopted for ad-hoc replacements
In Progress 	Action 12	Water: implementation of water efficient taps in all Council owned building to reduce water consumption, metered bills and cost.	Head of Property Services	5%	March 2022	So far 10 have been installed in the Business Hubs at Beeston and Stapleford and two in the Main Council Offices. They are not appropriate for all locations as they are only suitable for low use locations. Whilst water savings are comparatively modest (by definition as low use locations), energy savings can be greater as no un-necessary hot water is heated and stored. Taps also help with the management of legionella as a result of not having any stored water.
In Progress 	Action 13	Investigate further opportunities for the installation of solar panels on Council Buildings for example the Depot	Head of Property Services	10%	August 2021	Some studies are being commissioned and previous work re-visited, detailed surveys at Kimberley Depot underway

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 14	Investigate the energy management arrangements at the Crematorium in order to identify opportunities to redirect excess energy for heating and lighting.	Head of Property Services	10%	March 2022	Study has been undertaken and will need re-visiting when cremators and mercury abatement plant are replaced.
Not started	Action 15	Investigate the opportunity to create a woodland burial site – achieving eco burials within a woodland setting.	Head of Environment		March 2022	






Strand 05: Employee and Business Mileage




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Capture and analyse the achievements to date in regards to the reduction in business mileage to inform the approach moving forward and to inform the overarching communications programme.	Payroll and Job Evaluation Manager	100%	March 2020	Analysis of business mileage will continue each financial year and be reported as part of the Annual Workforce Profile.
Completed 	Action 2	Determine and report on approaches that may assist in reducing the Council's carbon emission impact of business mileage.	Payroll and Job Evaluation Manager	100%	October 2020	Analysis has been undertaken with Head of Service to determine how much of the business mileage reduction seen during the COVID-19 pandemic is sustainable. In addition, potential incentives for employees to use greener forms of travel for business mileage have been considered.
In Progress 	Action 3	Using the current employee home to work mileage as a baseline repeat the survey annually to inform the approach moving forward and the overarching communications programme.	HR Manager	40%	March 2021	To implement early 2021. Statistics may not be comparable to previous year due to COVID-19 and increased homeworking / less travel during 2020-21.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 4	Leverage the new technologies and agile working arrangements widely implemented and utilised during the COVID-19 emergency in order to reduce the impact that employees travelling to work has on the environment.	Strategic Director / Heads of Service	1%	March 2021	Initial discussion underway
In Progress 	Action 5	Employee Benefits: Consider the implementation of a car leasing scheme enabling employees access to a new vehicle. Include the promotion of electric vehicles within the scheme.	HR Manager	40%	March 2021	HR Manager has met with a supplier of these services in order to explore what is possible. GMT presentation done in December 20, HR Manager met with Trade Unions on 05 January 2021 – Unions are in agreement. HR Manager to follow up with some points of clarification for the scheme and finalise a report to committee in Q4 2020/21.
In Progress 	Action 6	Capture the achievements in order to inform the communications programme and promote what good looks like to Businesses within the Borough	Strategic Director	5%	On-going	Data is being captured to help inform future analysis
In Progress 	Action 7	Introduce home to work mileage survey as part of the induction process for all new employees	HR Manager	40%	September 2020	Once 2021 mileage survey criteria agreed, form can be adapted for new starters.





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 8	Consider the introduction of Cycle To Work promotion (leave the car at home week / day)	HR Manager / Corporate Communications Manager	20%	March 2021	On hold as a result of current COVID-19 related changes to work patterns
In Progress 	Action 9	Consider approaching public transport organisations to determine what promotions can be targeted at Broxtowe employees for example Green Travel Deals	HR Manager	50%	March 2021	NET and Trent Barton contacted in October / November 2019. Opportunities for further discussions being considered.
In Progress 	Action 10	Consider the promotion of approaches that would allow employees to lease / purchase a more environmentally sustainable vehicle	Head of Protection and HR	40%	August 2021	Linked to Action 5 in the first instance. Presentation to GMT November 2020. See Action 5 for updated narrative.
Not started	Action 11	Review the Council's mileage claim system to consider how it may be used to make it more financially attractive to employees that have an electric vehicle	Head of Protection and HR / Payroll and Job Evaluation Manager	0%	March 2022	





Strand 06: Water Courses




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Discussions will take place with the County Council and other partners as to the on-going management of the blue infrastructure in Broxtowe.	Parks and Green Spaces Manager	Ongoing	Autumn 2020 and then on-going	Meetings held and site visits undertaken summer 2020. Further meetings held on site Autumn 2020.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Parks and Green Spaces Manager	100%	July 2020	Completed July 2020
Completed 	Action 3	Develop further strategic actions as part of the Water Courses project strand delivery.	Parks and Green Spaces Manager	100%	July 2020	Completed July 2020
In Progress 	Action 4	Undertake a detailed assessment of the brooks that the Council is responsible for to carry out a flood risk assessment and look at opportunities for biodiversity enhancement	Parks and Green Spaces Manager	50%	Summer 2020 Summer 2021	Detailed assessment undertaken Summer 2020 Report to Environmental Climate Change Committee 23 November 2020
In Progress 	Action 5	Further meetings will be held with the Environment Agency on the Trent Gateway Project looking to develop the initiatives on the section of the river within Broxtowe	Parks and Green Spaces Manager	Ongoing	Autumn 2020 and ongoing with 2 or 3 meetings a year	Meeting held. Project being reviewed with Trent Rivers Trust taking on some of the responsibility for the partnership with Trent Gateway becoming part of the lower Trent and Erewash Catchment Partnership.





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Meetings with landowners to ensure that appropriate maintenance is taking place	Parks and Green Spaces Manager	25%	Ongoing	Following the assessment of the brooks in the borough, key areas where meetings are required have been identified. Meetings to be scheduled Spring/Summer 2021.
Completed 	Action 7	Clarify ownership responsibility for the boundaries of the 6 brooks in Borough Council responsibility	Parks and Green Spaces Manager	100%	Autumn 2020	This work is included in the report to Environmental Climate Change Committee 23 November 2020.
Completed 	Action 8	Identify risks and any mitigation that affect the water courses and any appropriate adaptations that can be implemented or promoted	Parks and Green Spaces Manager	100%	March 2021	Issues identified in report and will be actioned as part of the regular maintenance programme going forward.



Strand 07: Meadow Planting and Wildlife Corridors

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions within the Green Infrastructure Strategy 2015 - 2030.	Parks and Green Spaces Manager	Ongoing	March 2022	Strategy used to help deliver Green Infrastructure Improvements at designated sites across the borough.
In Progress 	Action 2	Determine and report how the green and blue infrastructure can be enhanced to help protect the environment for our native wildlife corridors.	Parks and Green Spaces Manager	Ongoing	March 2021	Ongoing projects and initiatives undertaken with the most recent the creation of hay meadows at Colliers Wood and Brinsley Headstocks. Summer 2020 was a huge success with wildflower planting at a series of locations/corridors in the borough. Further initiatives being identified for Spring /Summer 2021.
Completed 	Action 3	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020
Completed 	Action 4	Develop further strategic actions as part of the Meadow Planting / Wildlife Corridors project strand delivery.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 5	Improvements to the existing meadow grassland at Archers Field Recreation Ground, Stapleford with scarification of the existing grassland and over seeding with a dedicated wild flower mix to create two large wild flower meadows.	Park and Green Space Manager	100%	May 2020	Completed May 2020
Completed 	Action 6	Introduction of strategic areas of annual wildflower planting on highway verges at Gin Close Way, Awsworth, Bilborough Road, Nuthall, Narrow Lane, Watnall.	Park and Green Space Manager	100%	May 2020	Completed May 2020. All areas very well received
Completed 	Action 7	Introduction of additional areas of annual wild flower planting on parks and green spaces at Coronation Park, Eastwood and Inham Nook Recreation Ground, Chilwell	Parks and Green Spaces Manager	100%	May 2020	Completed May 2020 with the areas at Inham Nook Recreation Ground attracting a huge positive response on social media.
In Progress 	Action 8	Review of the Local Nature Reserve Management Plan for King George V Park, Bramcote to identify acid grassland areas and a strategic approach to their management.	Parks and Green Spaces Manager	50%	Summer 2021	Area reviewed with revised approach to management to be introduced in summer 2021





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 9	Identify further areas for annual seed, wildflower seed and bird crop seed sowing on parks and green spaces and highway verges at strategic locations.	Parks and Green Spaces Manager	100%	Summer 2020	Areas identified, to be implemented Spring 2021
In Progress 	Action 10	Assess sites for species rich grasslands that with a change in management could become more favourable for biodiversity. This will be done working with the County Biodiversity Officer and Nottinghamshire Wildlife Trust. Significant sites that offer further potential include the Nottingham Canal, Bramcote Hills Park acid grassland, Colliers Wood with the introduction of yellow rattle to keep grasses down and over seeding with native species.	Parks and Green Spaces Manager	25%	Review summer 2021 and implement spring 2022	Whilst review is not due until summer 2021 work is in progress at Colliers Wood and Brinsley Headstocks to create hay meadows and over seed with native species.
In Progress 	Action 11	Identify areas within woodlands with potential to improve ground flora.	Parks and Green Spaces Manager	5%	Review summer 2022 and implement spring 2023	Potential areas being considered but detailed assessment scheduled for subsequent summers.




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 12	Opportunities to undertake grass cutting and collection will be further explored utilising the additional revenue budget to fund the expensive grass collection and disposal.	Parks and Green Spaces Manager	25%	Review summer 2021 and implement spring 2022	Whilst not scheduled until summer 2021 the opportunity was taken to carry out grass cutting and collection this summer at Colliers Wood and Brinsley Headstocks utilising the additional revenue budget.
In Progress 	Action 13	The Management Plans for the Local Nature Reserve will continue to be assessed and opportunities for changes to maintenance schedules for grass areas considered to help enhance and improve areas of grassland meadow.	Parks and Green Spaces Manager	10%	Review summer 2022 and implement spring 2023	Initial discussions held with Nottinghamshire Wildlife Trust
In Progress 	Action 14	Opportunities arising from the Green Infrastructure Strategy will continue to be monitored	Parks and Green Spaces Manager	Ongoing	Review summer 2020 and implement spring 2021	This is ongoing. The work to improve the access and biodiversity this summer at Hall om Wong is a good example of work adjacent to the Kimberley Cutting Corridor. The Erewash Riverside Environmental Works Project is another good example that links to the primary Erewash Valley corridor.
In Progress 	Action 15	Consider opportunities to increase the number of allotments.	Parks and Green Spaces Manager	15%	March 2022	Opportunities to change full size plots to more “user friendly” half plots continue to be implemented. Potential to increase allotment sites in the borough is a consideration with large housing planning applications where there is an identified demand.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 16	Work with allotment holders to create composting ambassadors.	Parks and Green Spaces Manager	15%	March 2022	Feature article included in 2021 Newsletter to allotment holders about the benefits of composting and promoting composting ambassadors.
In Progress 	Action 17	Consider how the Council may create / support the provision of community food planting areas in addition to the current allotment provision.	Parks and Green Spaces Manager	15%	March 2023	Small initiative undertaken on Chilwell High Road where the community have utilised existing planters to grow vegetables. Other options will continue to be explored.





Strand 08: Tree Planting






Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions within the Tree Planting Strategy 2018. Including Specimen tree planting schemes using large trees.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	This seasons tree planting work is well advanced with schemes delivered on site.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020
In Progress 	Action 3	Determine and report on how the Tree Planting Strategy can be enhanced to help provide greater opportunities to encourage residents, schools and businesses to plant more trees and look at innovative ways.	Parks and Green Spaces Manager	25%	Summer 2021	Project currently being drawn up working with community group to plant 400 trees. Opportunities have been restricted due to COVID-19.
Completed 	Action 4	Develop further strategic actions as part of the Tree Planting project strand delivery.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020


Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Second tree giveaway event with small ornamental trees suitable for gardens.	Parks and Green Spaces Manager	50%	January/February 2021	Trees ordered and publicity undertaken. Trees delivered to residents over the weekend of 16/17 January 2021
In Progress 	Action 6	Create additional pocket orchard at an allotment site or appropriate community site.	Parks and Green Spaces Manager	10%	March 2021 March 2022 March 2023	Opportunities being assessed with a possible site at Borehole allotments
In Progress 	Action 7	Identify a site for new hedge planting in excess of 50m.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	New hedge to be planted at Colliers Wood winter 2020/21
In Progress 	Action 8	Identify opportunities to implement new pocket parks taking advantage of central government funding.	Parks and Green Spaces Manager	5%	March 2021 March 2022 March 2023	As yet no scheme for 2021 identified. The Pocket Park at Redwood Crescent has proved a real challenge with delays and obstacles to overcome but is now complete and has been well publicised through press releases and social media.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 9	Implement appropriate signage including the potential for information boards in parks, explaining how and why the Council manages the environment in the way that it does.	Parks and Green Spaces Manager	50%	Autumn 2021	Signs erected at strategic locations in summer 2020 explaining changes to maintenance regimes. This will continue in summer 2021. Interpretation board installed at Brinsley Headstocks.
In Progress 	Action 10	Undertaken planting work to enhance existing woodlands.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	Works programmed at Bramcote Hills Park.
In Progress 	Action 11	Creation of new woodland copses protected by fencing.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	Works in progress at Cator Lane Recreation Ground Chilwell and Hall on Wong Kimberley.




Strand 09: Recycling






Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to embed the intent within the Single Use Plastics Policy 2018 including for example reducing the use of plastic bags in refuse and the wider Council.	Waste and Climate Change Manager	50%	March 2021	Use of plastic bags within the refuse service has been reviewed resulting in a reduction of 500 bags a week being used. The reduction in single use plastic will continue to be monitored and alternative options or working methods considered where possible.
Completed 	Action 2	Develop a programme of activity to ensure that additional resources are immediately effective from appointment.	Waste and Climate Change Manager	100%	March 2020	Work priorities have been developed for the new recycling role to ensure upon appointment to post the role has direction and can be immediately effective. This will also be an ongoing activity across the service area.
Completed 	Action 3	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Waste and Climate Change Manager	100%	March 2020	Results from contamination analysis have been used to inform educational messages. This will also be an ongoing activity.
In Progress 	Action 4	Work with the Nottinghamshire Joint Waste Management Group to lobby for additional materials to be recycled.	Waste and Climate Change Manager	75%	March 2021	Meetings take place each quarter (though COVID 19 has reduced the number for 2020/21) and the issue of additional recyclables within the acceptance criteria will continue to be lobbied for as part of this group.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Develop further video and educational material for schools, businesses, households, and employees in order to encourage behavioural change in regards to recycling.	Waste and Climate Change Manager	75%	March 2021	Regular meetings have been set up with the Communications Team with the purpose of planning and delivering promotional measures/activities aimed at behaviour change in line with the Communications Campaign Plan
Completed 	Action 6	Develop further strategic actions as part of the Recycling project strand delivery.	Waste and Climate Change Manager	100%	March 2020	This will be on-going with new identified strategic actions being reported as they come to light.
Overdue 	Action 7	Create a new recycling officer role whose purpose is to promote the principles of the Waste Hierarchy, promote good recycling behaviour and responsible waste management practices	Waste and Climate Change Manager	75%	June 2020	The delay in implementation has been due to COVID 19 and the subsequent restriction measures implemented including the current lockdown. The role is due to be advertised at the earliest opportunity with the intention to make an appointment to post before March 2021.
In Progress 	Action 8	Work in partnership with charities, for example on Clean and Green Bulky Waste days, to promote the reuse of items as an alternative to disposal	Waste and Climate Change Manager	5%	Ongoing	Progress on this has been restricted due to Waste Day Events being postponed due to COVID 19.
In Progress 	Action 9	Evaluate the refuse and recycling rounds to consider whether further efficiencies can be made by round reconfiguration to reduce the use of fuel and vehicle emissions.	Waste and Climate Change Manager	5%	March 2022	Following the migration to the system upgrade preliminary work on round cleansing has been undertaken to ensure all rounds have the correct number of bins on them.






Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 10	National Waste Strategy: Implement the statutory measures aimed at increasing recycling for example this may result in additional infrastructure and resources being needed for such as food waste collection and disposal.	Head of Environment / Waste and Climate Change Manager	20%	Summer 2021	Watching brief being kept on the progress of the Environment Act which will legislate for any measures within the strategy. Most measures have a target implementation date of 2023 onwards.




Strand 10: Housing Delivery




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions within the Housing Delivery Plan 2019 – 2029 .	Head of Asset Management	10%	Ongoing	Two dementia friendly bungalows at Willoughby Street were completed in January 2020, which have Air Source Heat Pumps and PV panels Work to begin at Oakfield Road in February 2020 which also have Air Source Heat Pumps and PV panels.
In Progress 	Action 2	Research eco-friendly methods of construction.	Head of Asset Management	10%	Ongoing	Eco-friendly methods of construction to be considered as part of phase 2 of the Housing Delivery Plan
Completed 	Action 3	Identification of potential solutions to reduce on-going energy use in all Housing Delivery Plan phase 1 sites, including: <ul style="list-style-type: none"> • Air Source Heat Pumps • Ground Source Heat Pumps • PV Panels • Water Conservation • Energy efficient lighting • Small wind turbines. 	Head of Asset Management	100%	December 2020	Consultation has been completed for Fishpond Cottage and phase 1 garage sites. Energy efficiency features are being considered for all sites.



Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 4	Review of existing environmental solutions included in new build developments at Broxtowe Borough Council in last ten years, including survey of tenant experience.	Head of Asset Management	100%	September 2020	Telephone survey completed with 26 tenants who live in properties with energy efficient features (out of a possible 52 tenants). 76% found the systems easy to use and 28% said their energy bills had decreased. 64% said they would have liked more information about the system prior to moving into the property. This will be addressed for future developments.
Completed 	Action 5	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Asset Management	100%	June 2020	Four different types of energy efficient measures fitted to new properties on 11 different schemes
In Progress 	Action 6	Determine and report on how the Housing Delivery Plan can reduce carbon impact for all new developments.	Head of Asset Management	10%	December 2020	Ongoing
Completed 	Action 7	Develop further strategic actions as part of the Housing Delivery project strand delivery.	Head of Asset Management	100%	June 2020	Completed
Completed 	Action 8	Analysis of repairs and maintenance costs for our properties with energy efficient features, since they were built	Head of Asset Management	100%	September 2020	Initial work has been completed, which does not show significant increase in cost compared to properties without features. However, as many properties are under 5 years old very few repairs are reported. Exercise to be repeated in 2022.

Strand 11: Housing Improvements





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Formulate the appropriate response to the outcome of the stock condition survey.	Capital Works Manager	65%	October 2020 and Ongoing	Work is underway to analyse the results and to compare/combine with existing data to inform future plans. Additional survey work has recently been completed that was delayed due to COVID, and the findings supplied for assessment. Finalisation of the analysis will run beyond initial target date and could lead to further ongoing linked actions
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Capital Works Manager	100%	June 2020	
In Progress  	Action 3	Research alternatives to conventional heating systems and report finding.	Capital Works Manager	25%	December 2020	Initial research revealed options of ground source, and air source heat pumps for potential retro fit to existing gas boilers. Both systems have greater up-front costs. We are installing air source heating as a trial at the new dementia friendly bungalows which are due for completion by the end of January. Another potential solution is hydrogen technology for boilers. This can be a replacement fuel to natural gas but will rely on the network and large scale hydrogen generation through renewable power supplies as a nation. Boilers have been developed and are being tested.  Research will need to continue beyond the initial estimated target date.




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 4	Develop further strategic actions as part of the Housing Improvements project strand delivery.	Capital Works Manager	100%	June 2020	
In Progress 	Action 5	Install external wall insulation to the remaining 94 solid wall properties – this requires careful assessment as most of them are hard to treat as they are in Eastwood’s conservation area	Capital Works Manager	5%	December 2024	Some initial investigation has started to look at possible internal insulation due to difficulties of external work, and consideration of planning approvals.
Not started	Action 6	Stock Condition Survey: act on recommendation to install external wall insulation to 53 steel-framed properties in the short term 1 – 5 years	Capital Works Manager		December 2024	
In Progress 	Action 7	Consider how best to address the 30 properties remaining with less-efficient gas boilers and implement the solution / solutions	Capital Works Manager	16%	December 2022	Replacements continue with “A” rated boilers when access is gained or they become void.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 8	Consider how best to address the 285 properties remaining with less efficient all-electric systems. In the short term these will primarily be replaced with high heat retention storage heaters, but air source heat pumps will also be trialed at suitable properties	Capital Works Manager	19%	December 2024	The Installation of more energy efficient high heat retention storage heaters has started but progress is slow due to the pandemic.
In Progress 	Action 9	The two new dementia-friendly bungalows at Willoughby Street, Beeston will have air source heat pumps with under floor heating and PV on the roof	Capital Works Manager	85%	March 2021	Work progressing well
In Progress 	Action 10	Trial emerging technology: The future of the gas network is under review. Gas boilers are being developed to work on both hydrogen and gas. There is a stock of over 4000 gas boilers in domestic properties. In the short term high efficiency condensing boilers will continue to be used, but emerging solutions will also be trialed.	Capital Works Manager	5%	Ongoing	Air source trial underway with the dementia friendly bungalows. Hydrogen ready boilers have been developed but are not yet available. Network issues also. Air source retro fit trial to be considered when possible






Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 11	Consideration will be given to retro-fitting of PV panels – especially to stock that is not subject to right to buy.	Capital Works Manager	2%	Summer 2021	Desk top study started to review the possibility of using some additional independent living scheme roofs.
In Progress 	Action 12	Loft insulation will continue to be upgraded to the very latest standards every time that other work is undertaken in a property	Capital Works Manager	54%	Ongoing	Insulation checked/topped up as part of other work particularly roof covering replacement. Additional work will also be planned to pick up properties noted during the recent stock survey where improvement is possible above existing levels.


Strand 12: Core Strategy and Planning

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Include proposals relating to energy efficiency and climate change as part of ongoing work on implementing Policy 17 of the Part 2 Local Plan, 'Place-making, design and amenity'	Head of Planning and Economic Development	70%	July 2021	The Part 2 Local Plan was adopted in October 2019. Policy 17 is now being applied when determining planning applications to secure high quality, energy efficient developments. The Annual Monitoring Report is currently being produced which will analyse the effectiveness of applying Policy 17. Improvements will then be identified to secure further benefits. Target date amended from December 2020 in order to ensure that monitoring reports are all up to date.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Planning and Economic Development	100%	May 2020	
In Progress 	Action 3	Gather evidence, including viability evidence, to inform ACS policies that will enforce / expand on NPPF requirements regarding energy efficiency and climate change.	Head of Planning and Economic Development	20%	May 2021	The evidence is being collected as part of the Aligned Core Strategy review (now referred to as the 'Greater Nottingham Strategic Plan'. Addressing climate change is to form a core objective of the Strategic Plan.
In Progress 	Action 4	Develop further strategic actions as part of the Core Strategy / Planning project strand delivery.	Head of Planning and Economic Development	20%	May 2021	As part of developing the Strategic Plan, strategic options are being explored to how environmental benefits can be secured.






Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Ensure that all Neighbourhood Plans include reference to policies regarding climate change and climate change mitigation.	Head of Planning and Economic Development	30%	On-going	Officers are providing assistance with the production of a number of Neighbourhood Plans and are providing advice to ensure that climate change issues are considered and form part of future policies.
In Progress 	Action 6	Engaging with and ensuring the adoption of a Toton Masterplan which contains innovative proposals for an advanced model of living and working which is highly sustainable.	Head of Planning and Economic Development	50%	March 2021	Consultation on the Toton and Chetwynd Masterplan commenced on 12 th October 2020. Delivering a net zero carbon community is a key objective of the masterplan and sustainability is a key principle which will include promoting new and innovative models of development.
In Progress 	Action 7	Complete the review of the Aligned Core Strategy.	Head of Planning and Economic Development	20%	December 2022	Growth Options consultation closed in September 2020. The consultation responses are currently being considered with the next stage being to develop 'preferred options'. This will include specific policies related to climate change.
Not started	Action 8	Approve the council's participation in a new development corporation which will include ambitious proposals for the development of an international centre for zero carbon futures.	Chief Executive		March 2021	

Strand 13: Technology

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions contained within the ICT Strategy 2017-2021	ICT Manager	85%	Ongoing	Progress against the ICT Strategy will be reported into the Policy and Performance Committee in December 2020.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Strategic Director	100%	June 2020	
In Progress 	Action 3	Monitor technology development to ensure the Council is able to take advantage of developments that are economically and environmentally advantageous.	Strategic Director / ICT Manager	5%	Ongoing	The ICT team monitors the market in terms of technology developments. More focus will be given to the environmental impact and benefits of technology as we move forward.
Completed 	Action 4	Develop further strategic actions as part of the Technology project strand delivery.	Strategic Director	100%	June 2020	
In Progress 	Action 5	Continue to deliver the actions contained within the Digital Strategy 2020-2024 including building on the existing digital culture to enhance the digital awareness, increase the number of digital services for customers, Members and employees.	Strategic Director / ICT Manager / Corporate Communications Manager	10%	Ongoing	A Communications Plan is currently being developed to support the Digital Strategy 2020-2024. This will help enhance the existing digital culture for customers, Members and employees.




Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Work with all parts of the organisation to leverage the benefits achieved through the use of technology during the COVID-19 emergency.	Strategic Director	5%	August 2021	Initial discussions have started


Strand 14: Air Quality

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to provide an annual Air Quality Status Report for the Borough which is fit for purpose	Head of Public Protection and HR	100%	Ongoing	2020 Annual Status report approved by DEFRA. Ongoing in respect of preparation of 2021 report
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Public Protection and HR	100%	May 2020	Complete
In Progress 	Action 3	Continue to work with relevant partners in order to bring about improvements in local air quality	Head of Public Protection and HR	50%	Ongoing	Meetings with officers of Broxtowe BC have taken place to produce the Air Quality Action Plan. Meetings with other partners continue to take place throughout the year.
Completed 	Action 4	Review the NO ₂ diffusion tubes network; take proactive action to discontinue sites where the annual air quality levels are comfortably below the objective, and relocate them to new sites within the Borough allowing the identification of “problem” areas to be focussed on.	Head of Public Protection and HR	100%	March 2021	Sites were reviewed in December 2020. No changes to network required.
Completed 	Action 5	Develop further strategic actions as part of the Air Quality project strand delivery.	Head of Public Protection and HR	100%	October 2020	Air Quality Action Plan produced. To be taken to Environment and Climate Change Committee February 2021 where approval will be sought to include the actions into this plan.



Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Not started	Action 6	To encourage employees of BBC to purchase hybrid vehicles and electric vehicles for their personal and business use	Head of Public Protection and HR	0%	March 2021	
Not started	Action 7	Investigate the installation of vertical gardens, using moss to absorb CO ₂ and particulate matter	Head of Public Protection and HR	0%	March 2022	



Strand 15: Hospitality and Support Services



Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Determine and report on approaches that can further reduce the use of single use resources in both the areas of hospitality and support services.	Head of Administration	100%	May 2020	Plastic cups have been replaced by china mugs and glasses in all meeting rooms. Plastic cups have been removed from water coolers. The bin bags used in waste and recycling bins are emptied out and put back each day and only replaced when necessary, rather than being used once.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Administration	100%	May 2020	
Completed 	Action 3	Develop further strategic actions as part of the Hospitality / Support project strand delivery.	Head of Administration	100%	May 2020	Coffee machines have been purchased which use recyclable pods. Wooden stirrers have replaced plastic spoons. Packaged tea, coffee etc. is being replaced with loose supplies stored in airtight containers when stocks need to be replenished to reduce the need for any packaging.





Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 4	Investigate the use of environmentally-friendly cleaning products using only naturally derived materials which has a less damaging effect on the environment	Head of Administration	70%	March 2021	The investigation into the purchase of environmentally friendly cleaning products has now been completed. It has shown that not all of the products that are required by the Council are currently available in an environmentally friendly format. In addition, when they are available certain items can be over 400% more expensive. Further work is being conducted to determine what percentage of cleaning materials could be replaced by environmental friendly products and what the cost of this potentially change would be. A report will be brought to the committee in due course.


Communications Campaign Plan



Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Promote progress on each strand in the Climate Change Strategy, increases awareness of the issues and how to help.	Communications and Engagement Officer	75%	Ongoing	<p>Activities include: Assessing current levels of awareness, producing an infographic, reviewing and improving existing materials, digital content, email bulletins, press releases, Broxtowe Matters magazine updates, stakeholder engagement.</p> <p>Recent progress includes: Infographic produced and shared. Regular green futures content now features across a range of our email bulletins. Articles included in Broxtowe Matters (had to be pulled because of COVID) but we re-used the content in other ways. Community resource pack to be shared Jan 2021.</p>
In Progress 	Action 2	Use storytelling and engaging 'journey' content to engage residents in what we're doing and how they can contribute.	Communications and Engagement Officer	50%	Ongoing	<p>Activities include: Developing a consistent look and feel for the campaign, videos, promoting topical issues and national awareness weeks.</p> <p>Recent progress includes: Promoted awareness weeks and days including Recycling Week and Air Quality Day. Video produced on Hall Om Wong Park improvements and the benefits to the environment. Green Futures branding established.</p>

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 3	Make information about recycling easy to find, understand and act upon.	Communications and Engagement Officer	75%	Ongoing	<p>Activities include: Website updates, promotion of the online A-Z, promoting what can be recycled across all digital and traditional channels, producing a community resource pack for groups to use and share.</p> <p>Recent progress includes:</p> <p>Promoted A-Z of recycling tool through a variety of channels.</p> <p>Regular promotion of recycling correctly in email bulletins and social media.</p> <p>Resource pack produced and shared in Jan 2021.</p> <p>Recycling advice and tips promoted through leaflet with Council Tax bills to go out March 2021.</p>
In Progress 	Action 4	Make being conscious about recycling an attractive proposition.	Communications and Engagement Officer	50%	Jan 2021	<p>Activities include: investigating options for postcode prize draws, shout outs and working with businesses to provide prizes to reward behaviour.</p> <p>Recent progress includes:</p> <p>Recycling challenge launch through the email me service late Jan/early Feb.</p>

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Create social opportunities to promote recycling.	Communications and Engagement Officer	50%	Feb 2021	<p>Activities include: targeted work in high contamination areas, resident competitions and challenges, engaging local influencers, maximising on national initiatives and running resident workshops. Workshops may need to be done online to be COVID-secure - this will require additional planning.</p> <p>Recent progress includes:</p> <p>Recycling challenge launched through the email me service late Jan/early Feb.</p> <p>Engagement with University on research project to take place later in 2021 on a recycling pledge for local people to sign up to..</p>
In Progress 	Action 6	Ensure that messages about recycling are timely – regular bulletins and reminders.	Communications and Engagement Officer	100%	Dec 2020	<p>Activities include: Increasing the frequency of waste and recycling bulletins, increasing subscribers to these bulletins, reviewing existing materials, campaigns to target key issues.</p> <p>Recent progress includes:</p> <p>Waste and recycling bulletins now going out monthly with additional bulletins for specific promotions.</p> <p>We now have more than 12,000 subscribers to the Waste and Recycling Bulletins. Since August 2020 when the Communications and Engagement Officer started in post, there have been 525 new subscribers. This bulletin has one of the best engagement rates at 83% (compared to a national average of 67% and a Broxtowe email me service average of 81%.</p>

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 7	Make information about recycling easy to find, understand and act upon for businesses.	Communications and Engagement Officer	50%	On hold	Activities include: Training, workshops and best practice guides. Work has been impacted by COVID-19.
In Progress 	Action 8	Make being conscious about recycling an attractive proposition for businesses.	Communications and Engagement Officer	40%	On hold	Activities include: Developing a business pledge and reward scheme. Work has been impacted by COVID-19.
In Progress 	Action 9	Create social opportunities to promote recycling to businesses.	Communications and Engagement Officer	10%	On hold	Activities include: Incentive programme and showcasing best practice. Work has been impacted by COVID-19.
In Progress 	Action 10	Ensure messages about recycling are timely.	Communications and Engagement Officer	90%	March 2021	<p>Activities include: Utilising business bulletins to share resources, promotions to trade waste customers and sending information with business rates bills. Wider activity has been impacted by COVID-19.</p> <p>Recent progress includes:</p> <p>Trade Waste email bulletins now going out bi-monthly to share information about recycling correctly with this customer base.</p> <p>Information shared in weekly business bulletins to support businesses to be more sustainable but not a priority at the moment due to COVID-19.</p>

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 11	Make information about recycling easy to find, understand and act upon for Broxtowe employees and Members.	Communications and Engagement Officer	80%	Dec 2020	<p>Activities include: Assessing awareness, training sessions, Members' Briefing Pack, regular and engaging intranet content and sustainable hospitality framework. Training sessions WIP.</p> <p>Recent progress includes:</p> <p>Member Briefing pack issued to help them support the project.</p> <p>Regular articles shared in the weekly Employee Briefing and Members Matters.</p> <p>Training sessions provided to all Senior Managers from the Carbon Trust, along with presentations for Managers and Members.</p> <p>Sustainable hospitality framework developed but not currently in use whilst working from home continues/events are not permitted.</p>
Not started	Action 12	Make being conscious about recycling an easy and attractive proposition to Broxtowe employees and Members	Communications and Engagement Officer		Feb 2021	<p>Activities will include: Practical measures to make 'green' choices easy e.g. location of recycling bins, recycling bin signage. Impact of this reduced whilst most employees are working at home but will be reviewed before larger scale return.</p>

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 13	Create social opportunities to promote recycling to Broxtowe employees and Members.	Communications and Engagement Officer	25%	Feb 2021	<p>Activities include: 'Double your recycling' or 'Half your waste' campaign, to encourage staff to change habits and take these messages back home. 50% Recycling Project.</p> <p>Recent progress includes:</p> <p>Content now being included regularly in internal communications.</p> <p>Public recycling challenge to be shared internally late Jan/early Feb to encourage internal audiences to also take part.</p> <p>Employee suggestion project for green projects currently being developed.</p>
In Progress 	Action 14	Ensure messages about recycling are timely to Broxtowe employees and Members.	Communications and Engagement Officer	10%	Jan 2021	<p>Activities include: Education, reward/recognise achievements and identify 'champions' to encourage others to join and share ideas. Progress has been impacted by COVID-19.</p> <p>Recent progress includes:</p> <p>Sharing content encouraging employees to think about their own carbon footprint through Employee Briefing and inviting them to join in with the Recycling Challenge.</p> <p>Staff quiz being developed to assess existing knowledge and help make improvements.</p> <p>Content regularly updated on the intranet as a central source of information for employees.</p>

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Not started	Action 15	Make discussing Climate Change easy for schools	Communications and Engagement Officer		Sept 2021	Activities will include: Developing a lesson plan or assembly schools can use. These activities have been impacted by COVID-19.
Not started	Action 16	Make being conscious about recycling an attractive proposition for schools and young people.	Communications and Engagement Officer		Sept 2021	Activities will include: Videos, incentives, reward and recognition schemes, primary school promotional visits publicity. These activities have been impacted by COVID-19.
Not started	Action 17	Create social opportunities to promote recycling to young people and schools.	Communications and Engagement Officer		Sept 2021	Activities will include: Engaging schools in a challenge/competition and engaging school influencers to work with us on climate change. These activities have been impacted by COVID-19.
Not started	Action 18	Ensure messages about recycling are timely for schools and young people.	Communications and Engagement Officer		Sept 2021	Activities will include: Working with the Youth Mayor and Broxtowe Youth Voice on ways to reach young people and engage them in what the Council is doing.

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