

# Enfield climate action plan Progress Report 2020/21





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# Introduction

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## 1. Introduction from Cllr Ian Barnes, Chair of Enfield's Climate Change Task Force

In the foreword to our Climate Action Plan I spoke about how our climate is rapidly changing and since then over the past year we have witnessed these freak weather events seemingly increasing in magnitude and frequency.

Furnace-like temperatures in western Canada reaching almost 50 degrees, triggering thunderstorms across the region generating lightning strikes, igniting dry grass and producing wildfires which have decimated towns.

On the other side of the world, torrential rain on the Pacific coast of Japan triggered a landslide in Atami city, with 20,000 people evacuated. The City received 130% of its monthly rainfall in just 48 hours, which is shocking enough until you consider the Chinese city of Zhengzhou which received a year's worth of rain (61cm) in just three days.

Closer to home, at the end of July, after 30 degrees temperatures for days in London, there was torrential rain and flooding. In case proof were needed, these extremes show the climate emergency is real and it affects us all.

While the Climate Change Committee tells the Government to pull its finger out and get a move on, here in Enfield we are taking ambitious action now by pushing forward with our Climate Action Plan objectives, with headline targets to be a carbon neutral organisation by 2030 and for the borough to be carbon neutral by 2040.

Within the Plan there was a commitment to:

"... review performance and publish our progress on an annual basis, using the key performance indicators set out in our plan. When we do that, we will invite the public and other stakeholders to comment on our performance and ask us questions about the progress we are making."

This is the first such progress report and represents the start of a regular cycle of reflection and refinement, as we look to achieve carbon neutrality.

It highlights what has been achieved in a short space of time, looks at carbon emissions for 2020/21, considers new challenges and areas of work, before setting out what we see as the new opportunities and main priorities for 2021/22.

In terms of what we have achieved, against the backdrop of a global pandemic, the Council and its partners have continued to take climate action:

- Embedding it in the Council's Plan and decision-making processes, as well as resourcing a dedicated climate action and sustainability team.
- Substantial completion of LED streetlight replacement programme, as well as implementation of various active travel schemes.
- Delivery of the first phase of the Enfield Chase Restoration Project.



**Ian Barnes**

Deputy Leader of  
Enfield Council

*Chair of the Climate  
Change Task Force*

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- Engaged with suppliers and started preparing a new ethical and sustainable procurement policy, which includes climate action considerations for contracts.
  - Pushed forward with the retrofit of corporate buildings and Council housing stock, investing both our own capital and using government funding to pilot new approaches, while also jointly leading the Retrofit London programme with Waltham Forest.

We have also sought to get a better understanding of our own carbon emissions (which have fallen significantly in the past twelve months) so that we can better track progress and target our resources as effectively as possible.

Going forward, we have set out a clear direction of travel. However, it needs to be recognised that the Council cannot achieve its ambitions alone, so as well as engaging with local stakeholders, we will continue to work with regional and national organisations to secure the tools and resources we need.

Over and in the coming months and years we will continue to talk to people about what we are doing, looking for new ideas and partnerships.

I hope that you find this document interesting and even thought provoking. If you want to have your say about where we go next on our climate action journey, please email: [climate.emergency@enfield.gov.uk](mailto:climate.emergency@enfield.gov.uk)



# Progress

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## 2. Progress in 2020/21

Below are highlights of climate action progress in 2020/21. For ease of reference they have been grouped under the thematic areas in the Climate Action Plan.

### The Council's operations

- Despite the impact of the Covid-19 pandemic on operations, the streetlight replacement programme was substantially completed with 95% of all lamps being switched to LED.
- Public Sector Decarbonisation Scheme funding of up to £3.8m was secured, which will support the delivery of retrofit measures (including heat pumps and solar panels) at a number of Council buildings.
- There has been engagement with suppliers which has informed the preparation of an Ethical and Sustainable Procurement Policy which is due to be adopted in 2021.
- The electricity supplies for Council offices and housing communal areas have been switched to 100% Renewables Energy Guarantees Origin (REGO) supplies; for the latter this is two years ahead of the Climate Action Plan target date.
- Climate action is a cross-cutting theme in the Council Plan and is a consideration in corporate decision-making reports.
- The Council's diesel fleet is using a lower emissions fuel and work has started on switching more vehicles to electric.

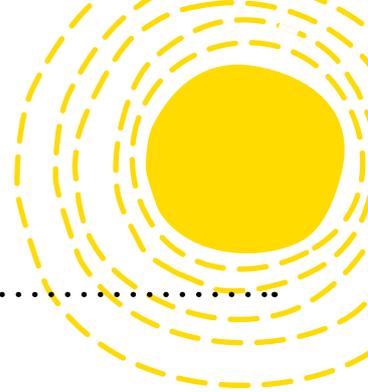
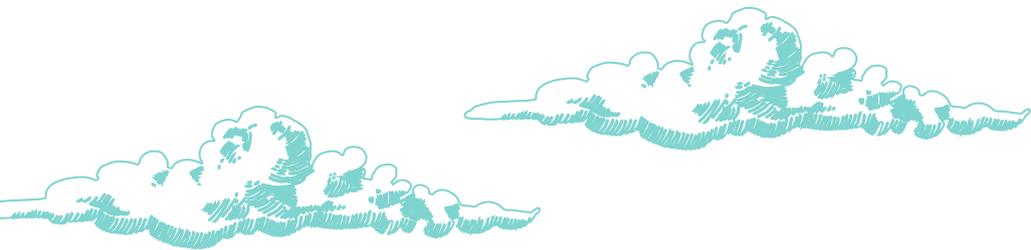
### Travel

- The A1010 cycle route has been completed, 12 School Streets were put in place to protect children and two Low Traffic Neighbourhoods were implemented.
- A new bus route, the 456, was introduced which links Crews Hill in the north to North Middlesex University Hospital in the south of the borough.
- 80 new electric vehicle charging points were procured and installation started.

### Buildings

- The Meridian Water Environmental Sustainability Strategy has been adopted and is guiding the next phases of development and informing future Council schemes.
- The recently published London Plan, with its higher energy efficiency and carbon reduction requirements, is now the basis for assessing new planning applications.
- The Council's Housing Asset Management Strategy is being developed, which includes support for bringing dwellings up to EPC B.
- Work has started on several housing retrofit projects, including an Energiesprong pilot on 36 properties and an holistic improvement programme at the 22 storey Walbrook House in Edmonton.





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- Recognising the importance of housing retrofit as a way to improve health and wealth, the Council has joined Waltham Forest as joint lead for the Retrofit London programme, which is aiming for an average of EPC B or equivalent across the Capital's housing by 2030.

### **Waste**

- There have been campaigns to encourage people to recycle and reuse more.

### **Energy**

- A total of 615 homes were connected to Energetik by the end of the year. In addition, funding has been secured to pilot connecting to existing homes.
- Work has started on the development of a local energy plan.

### **Natural environment**

- The first 50,000 new trees have been planted as part of the Chase re-wilding project and a unique project to reintroduce beavers has been progressed, with delivery supported by third party funding.
- A Blue and Green Strategy was drafted and consulted on.

### **Influencing others**

- Low income and fuel poor households were targeted for Green Homes Grant with the joint Enfield / Waltham Forest HEET initiative offering advice and support.
- The Council joined the Council for Energy Efficient Buildings and also has signed up to the UK100 Race To Zero pledge.
- A school's climate action network has been set up and has informed the preparation of a related handbook.

### **Financing the plan**

- The Council was successful in securing significant external funding for housing and corporate building retrofit, as well as for transport projects.

# Review

## 3. Review of carbon emissions in 2020/21

The Climate Action Plan includes a commitment to annually review progress with reducing carbon emissions. In preparing this progress report the carbon emissions review for 2020/21 has also been undertaken.

### Scopes explained:

<b>Council Scope 1</b>	Direct emissions that occur at sources owned or controlled by the Council. Including fuel combustion on site such as gas boilers, fleet vehicles and air-conditioning leaks.
<b>Council Scope 2</b>	Indirect emissions from electricity or heat purchased and used by the council. Emissions are created during the production of the energy and occur at the production source.
<b>Council Scope 3</b>	All Other Indirect Emissions from activities of the Council, occurring from sources that we do not own or control. This includes emissions associated with business travel, employee commuting, procurement, waste and water. It also includes estimated emissions from energy used by residents in council homes and capital goods for the construction of new council homes.

### The headlines are:

- Scope 1 emissions decreased by 10%, largely reflecting the impact of Covid-19 on corporate building use. The move to working from home and temporary closure of key Council sites such as libraries and community centres positively reduced overall Scope 1 emissions.
- Scope 2 emissions fell by 31%, this was due to the substantial completion of the LED street lighting retrofit programme and also reflects the impact from Covid-19 pandemic on corporate building use. This was also helped by the continued decarbonisation of the grid.
- Overall combined Scope 1 and 2 emissions fell by 19%, which is ahead of the trajectory needed for the Council to reach its end of the decade carbon neutral targets (an average reduction of between 7.3 and 9.1% per annum).

- The monitoring of Scope 3 emissions has been improved for 2020/2021 to enable more accurate insights into potential impact and enable better tracking in future accounting.
- Borough-wide emissions fell by 2% with the proportion split by type remained broadly similar. However, data lag continues to be a challenge with the 2020/2021 reporting year relating to 2018 data.

The details of 2020/21 Council and borough-wide carbon emissions are provided in Enfield's Carbon Emissions Review 2020/21.

As we have developed a better understanding of the data around our own carbon emissions, some challenges have been identified. There has also been a global pandemic, which has had an impact on carbon emissions.

In the rest of this section we consider the impacts of:

- Better data and baseline consistency
- Covid-19
- Scope switching
- Trajectory setting

### Better data and baseline consistency

In line with the areas of focus identified in the 2019/20 carbon emissions review (an update on these is included in Appendix A), there has been work to improve the collection and understanding of carbon emissions data.

This has looked at the data relating to Scopes 1 and 2 emissions and has highlighted:

- **Gaps** – As gaps are filled in (for example by reducing estimated meter reads) there will be changes to the level of carbon emissions, both up and down, so this should be noted when reporting and a target set relating to data reliability.
- **Covid-19** – Staff have not been able to consistently undertake physical meter readings. This should be a short-term issue but will impact figures for 2020/21.
- **Operational change** – When the Council changes its approach to delivering services, this can lead to changes in carbon emission due to scope switching. This is considered in more detail later in this section.

In addition, baseline consistency has been an area of further investigation.



The 2018/19 work to calculate a baseline for Council carbon emissions involved looking at Scopes 1, 2 and 3 using a methodology that was based on best practice at the time. Since then there has been further development in this area with national and international baseline measurement approaches coming forward.

In a similar vein, the 2018/19 borough-wide emissions were calculated using the SCATTER tool, however this was not updated for the 2019/20 review, so standard national data was used.

To ensure a consistent and comparable baseline and ongoing monitoring, the Council will measure carbon emissions using recognised definitions and methodologies:

<b>Scope 1</b>	GHG Protocol Corporate Standard
<b>Scope 2</b>	GHG Protocol Corporate Standard GHG Protocol Scope 2 Guidance
<b>Scope 3</b>	GHG Protocol Corporate Standard GHG Protocol Scope 3 Calculation Guidance
<b>Borough-wide</b>	GHG Protocol for Cities (SCATTER cities) Global Covenant of Mayors' Common Reporting Framework (SCATTER cities)

### Covid-19

Apart from issues with energy data collection, Covid-19 also had an impact on usage, with buildings being closed and staff working from home. This raised a question about the transfer of staff carbon emissions from the Council's direct emissions to wider emissions. There was also concern that staff working from home could have higher emissions than those based in offices.

A study was undertaken to assess the possible impact of this. It concluded that the emissions were broadly

equivalent once factors such as travel had been included.

In the analysis of Scopes 1 and 2 emissions, a note has been included which highlights that the figures are likely to be lower due to the impact of Covid-19 on working patterns. In the analysis of Scope 3 emissions for 2020/21, a new estimate of both commuting and work from home emissions has been included to ensure transparency of potential emissions relating to working pattern changes.

Going forward, there are likely to remain fewer staff working in Council buildings as structural changes to working practices take hold. Further analysis will be undertaken once these changes are embedded.

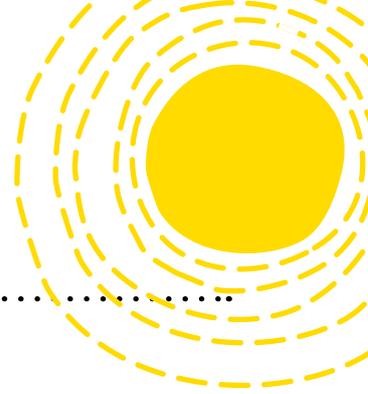
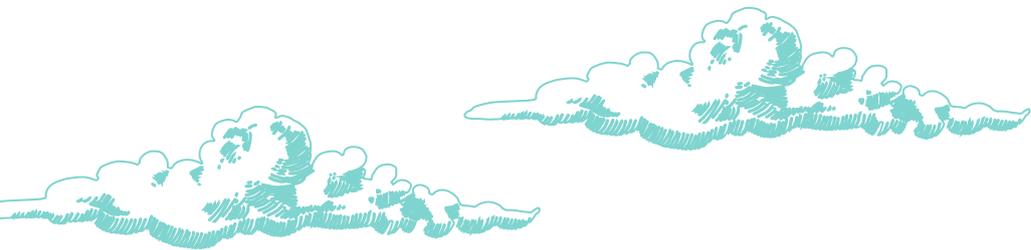
Covid-19 has also had an impact on the delivery of some actions, notably those that involve staff because of deployment of resources to support our customers and changes to working arrangements as noted above. As we recover from the pandemic these actions will be progressed as appropriate.

### Scope switching

When looking at the 2019/20 carbon emissions it was identified that there had been an increase in fleet diesel usage. On further investigation the cause was the insourcing of some services which had increased the number of vehicles. This meant absolute emissions had gone up, which had a negative impact on performance against a percentage reduction target. However, the activity emissions (the level per unit, in this case vehicle number) had not changed.

This helped to explain other negative changes in respect of overall emissions, with other services having been insourced, which meant that related emissions have been switched from indirect to direct.

As noted, this increases total direct emissions (i.e. Scopes 1 and 2), which has a negative impact on performance



against the baseline figure. To address this, corporate reports now include a carbon emissions per full time equivalent staff member, because this is a more effective measure of progress:

	2018/19	2019/20	2020/21
Emissions per employee (tCO <sub>2</sub> e per FTE)	7.3	6.6	5.4

Relates to Council direct emissions (Scopes 1 and 2).

Target is based on a flat line trajectory equivalent to a reduction of 0.55 tCO<sub>2</sub>e per FTE per annum (excludes any offset requirement).

Employee FTE for baseline was 3,000. 2019/20 performance based on 3,301 FTE (Council, Agency and Apprentices) as at March 2020. 2020/21 performance based on 3,326 FTE as at March 2021.

### Trajectory setting

The Climate Action Plan includes a trajectory target of an average reduction in Scopes 1 and 2 emissions of 7.3% per year. However, when looking at the actions in the Climate Action Plan, this straight-line approach is too simplistic, with the actual trajectory showing lower reductions until around 2025 before they accelerate.

This makes sense given the current availability and cost of technologies (for example electric vehicles and heat pumps).

To better reflect the actual trajectory, work is underway to look at whether performance can also be measured against an action-based figure for each year. More information is included in the Carbon Emissions Review 2020/21.

# Review

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## 4. Review of actions and Key Performance Indicators

There has been significant progress with delivering the actions in the Climate Action Plan, as set out in the highlights for 2020/21.

As part of the Progress Report work each action has been looked at, with an update on performance provided. Alongside this are next steps. For a number of actions these relate to continuing ongoing work, while for others they set out how progress will be made in 2021/22.

More information on progress and next steps is included in Appendix A.

Performance against the KPIs in the Climate Action Plan has also been looked at and more information on this is included in Appendix B.

For Key Performance Indicators, analysis to date has identified a number that are simple output measures and / or do not measure a significant area in terms of carbon emissions.

In terms of better linking actions to emissions, as part of the analysis identifying a realistic trajectory, there has been work to define delivery timescales and quantify the carbon emissions impacts of the various actions and related Key Performance Indicators. Whilst this is subject to ongoing development, it already provides an indication of which areas should be focused on and when.

It has also highlighted that the Climate Action Plan would benefit from clear outcome measures and targets. For example, there are sub-headings indicating intended outcomes within the Climate Action Plan thematic areas. However, these do not always have distinct measures of targets. In addition, it is not realistic to regularly monitor and report on over 100 actions and targets. Therefore, measurable outcomes should be identified, beneath which relevant actions and Key Performance Indicators can be grouped.

As for monitoring the delivery of specific actions, preparing the Progress Report has been an opportunity to identify and engage with operational lead officers for each action and Key Performance Indicator.



# Challenges

## 5. Challenges to consider

Over the past year, other than those already highlighted, several challenges have been identified, which will need to be addressed as we move forward:

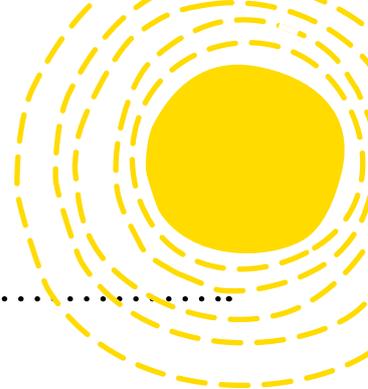
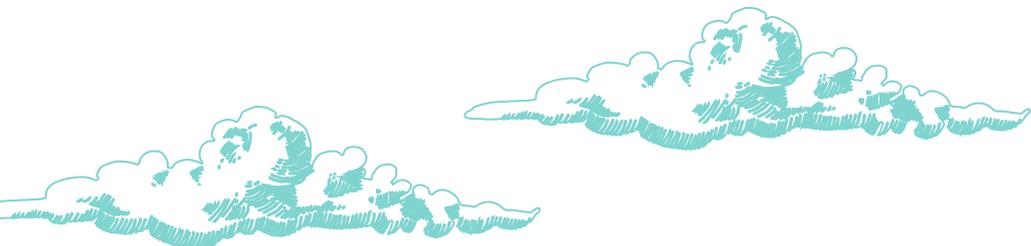
Challenge	Proposed Approach
<p><b>Adaptation and resilience</b></p>	<p>This is an area that is not at the core of the Climate Action Plan, which focuses on reducing emissions to limit the impacts of climate change.</p> <p>However, the actions in the Natural Environment section will improve resilience, particularly to flooding.</p> <p>In addition, the new Blue and Green Strategy considers some areas of resilience but more work is needed to look at wider impacts.</p> <p>To this end there has been initial engagement with the Greater London Authority to look at impact mapping and this is an area for further investigation in 2021/22.</p>
<p><b>Aligning with the UN's Sustainable Development Goals</b></p>	<p>Some local authorities have clearly aligned their climate action activities with the UN's Sustainable Development Goals.</p> <p>Whilst this is worthwhile, it is not currently part of Enfield's Climate Action Plan and would require significant work to map all other actions and KPIs against a new set of themes. Therefore, this will be considered as part of the 2022 Climate Action Plan Review.</p>
<p><b>Embodied carbon</b></p>	<p>The recently adopted London Plan includes requirements for whole life carbon assessments for new developments, which should help reduce embodied carbon in new buildings.</p> <p>In addition, the Meridian Water Environmental Sustainability Strategy looks at how embodied carbon can be reduced, so can inform other new developments.</p> <p>The embodied carbon in the products used by the Council is something that needs further investigation but is challenging due to the number of suppliers and range of goods and services.</p> <p>Whilst this is in Scope 3, which is not covered by the Council's carbon neutral commitment, it is a significant contributor to the Council's wider emissions. Therefore, the drafting of an Ethical and Sustainable Procurement Policy is a positive step.</p>

# Priorities

## 6. Priorities for 2021/22

These have been identified based upon progress to date, timescales for delivery and the impact on carbon emissions. Consideration has also been given to the national and regional headwinds in terms of taking climate action.

Priority	To Do In 2021/22
<b>Embedding climate action in our work with staff empowered to deliver</b>	<p>Undertake carbon disclosure reporting in line with international best practice.</p> <p>Formalise climate action governance and structures, along with outcome measures and targets.</p> <p>Agree and implement the Ethical and Sustainable Procurement Policy.</p> <p>Prepare and start delivering a climate change and action literacy programme for staff.</p>
<b>Corporate buildings including schools</b>	<p>Review capital programme and survey sites to identify projects so that there is a shovel ready pipeline ready for submission as funding becomes available.</p> <p>Finalise school's climate action handbook.</p>
<b>Energy and water</b>	<p>Develop a local energy plan.</p> <p>Undertake feasibility for renewable energy projects and commence delivery of at least one.</p> <p>Improve corporate water supply management.</p>
<b>Consistent approach to new buildings</b>	<p>Increase the knowledge and capacity of planning service so that all new developments meet the highest London Plan and government standards.</p> <p>Secure Carbon Offset Fund contributions for all development where it is genuinely not feasible to address London Plan and government requirements onsite.</p> <p>Update the standards for Council schemes so that they are exemplars in respect of energy efficiency and sustainability.</p> <p>Use the Meridian Water Environmental Sustainability Strategy to inform the approach taken by other developments.</p>



Priority	To Do In 2021/22
<b>Residential retrofit</b>	<p>Prepare and make submissions for government funding to deliver retrofit to Council housing as well as for households that are at risk of fuel poverty.</p> <p>Complete existing retrofit schemes and use lessons learnt to inform future programme development and funding submissions.</p> <p>Identify longer term requirements for funding and policies / powers to deliver against target of EPC B or equivalent by 2030.</p> <p>Develop, agree and begin implementing an action plan for the Retrofit London programme.</p>
<b>Active and sustainable transport</b>	<p>Continue to deliver existing programmes including Healthy Streets and electric vehicle charging points.</p> <p>Support changes to staff travel patterns, including via increased working from home, and the use of more sustainable travel options for commuting and while on Council business.</p> <p>Procure more electric vehicles for the Council's fleet.</p>
<b>Adaptation and resilience</b>	<p>Deliver more tree planting both as part of rewilding and also urban greening.</p> <p>Continue to implement flood mitigation schemes, including both urban drainage and wetlands.</p>
<b>Engagement and finance</b>	<p>Prepare costs for delivering the areas of the Climate Action Plan which will have the greatest impact, then identify funding sources.</p> <p>Identify changes to policies and powers, as well as funding requirements with a view to securing resources via ongoing programmes, in addition to informing lobbying ahead of COP26 and the Comprehensive Spending Review.</p> <p>Develop a pipeline of projects with the initial focus on the retrofit of buildings (including Council offices, maintained schools and housing), blue and green infrastructure and active travel.</p> <p>Tell people about our climate action work and involve stakeholders, particularly our residents.</p> <p>Pilot at least one community led climate action project to help develop a model for future work.</p>

It should be noted that whilst reducing waste and increasing recycling remain a corporate priority, they account for only 3% of borough-wide carbon emissions and are covered by existing plans and activities.

In 2021/22 there will also be a pilot to test new ways to more effectively service flats, as well as more investment to tackle fly-tipping. Therefore, at this time waste and recycling has not been identified as a top priority for reducing carbon emissions.

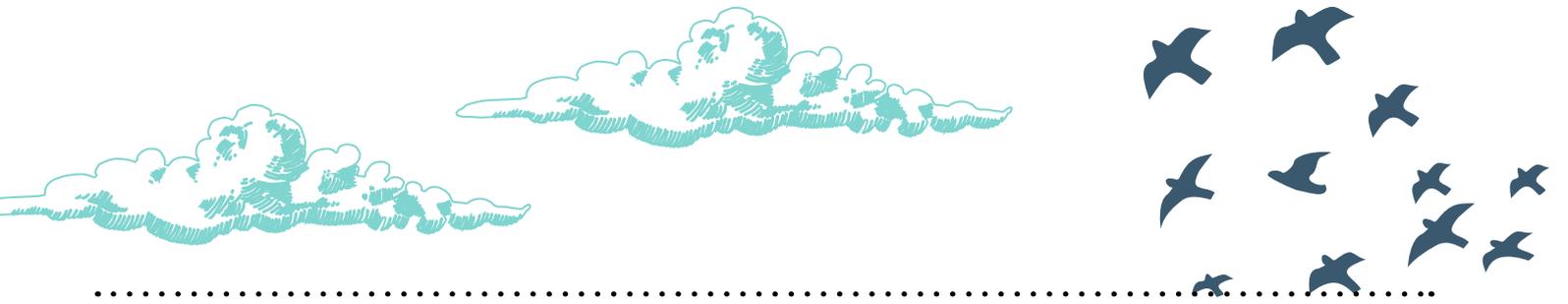
# Appendices



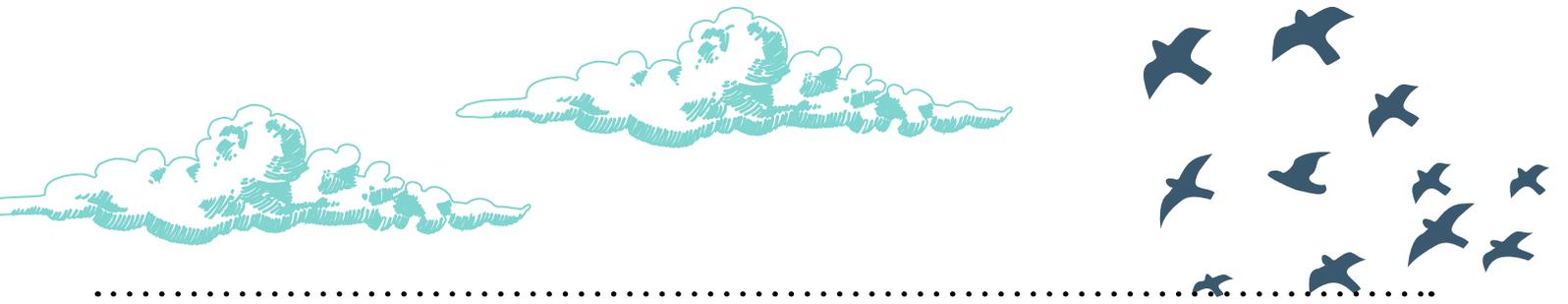
# Appendix A - 2019/20 Carbon Emissions Review

## Areas of Focus Update

Area	Actions	Update
<b>Borough wide emissions</b>	Monitor whether the SCATTER tool is updated and consider possible proxies to gauge changes with borough wide emissions.	<p>An updated version of the SCATTER tool is now available so this has been used for the 2020/21 review of carbon emissions.</p> <p>The Council has offered to support the ongoing updating and development of SCATTER so that it can provide an ongoing resource to monitor borough-wide emissions.</p> <p>There is an issue with the underlying data, which currently relates to 2018 because the national data takes around 18 months to compile and is reported in June / July each year. Given the data lag, other indicators will need to be used (including those set out in the Climate Action Plan) to monitor interim progress.</p>
<b>Business travel data</b>	Review staff mileage policy and approach to business travel. This should include collecting finer grain information to inform future assessments.	This has not been a priority due to limited staff travel during the Covid-19 pandemic. Reviewing staff travel arrangements will be a priority for 2021/22.
<b>Climate Action Plan Delivery</b>	<p>The delivery of the Climate Action Plan needs to progress at pace including:</p> <ul style="list-style-type: none"> <li>• Develop and implement governance structures and processes, as well as establishing a dedicated post with supporting team.</li> <li>• Identify the resources required to deliver the Climate Action Plan.</li> <li>• Focus on short term deliverables with greatest impact and on non-cost options.</li> <li>• Develop a pipeline of projects ready for investment should funding be available.</li> <li>• Embed a climate action in all policies approach across the Council.</li> <li>• Provide regular performance and progress updates, including the annual carbon baseline review.</li> </ul>	<p>These areas are also covered in the main progress report:</p> <p>Governance structures have been established with some supporting processes.</p> <p>A dedicated team has been established to facilitate and support other teams within the Council, as well as our stakeholders, to deliver climate action.</p> <p>There is ongoing work to quantify the carbon emissions benefits of the actions in the Climate Action Plan and this is reflected in the priorities for 2021/22.</p> <p>The need for a pipeline of projects has been recognised and the initial focus will be on the retrofit of buildings (including Council offices, maintained schools and housing), blue and green infrastructure and active travel.</p>



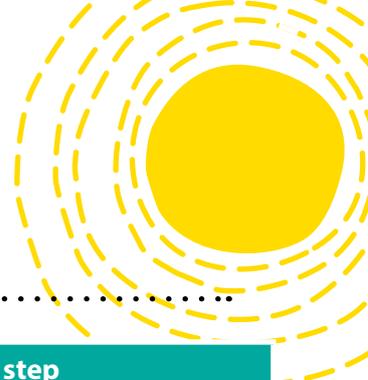
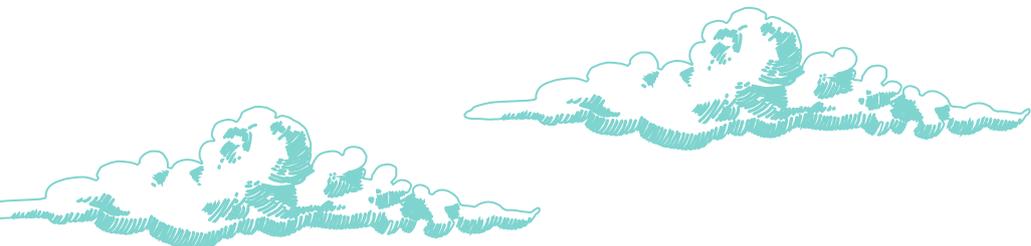
Area	Actions	Update
<b>Covid-19 impacts</b>	<p>To inform the 2020/21 baseline:</p> <ul style="list-style-type: none"> <li>Undertake mid-year analysis of energy consumption from Council operations to assess change compared to previous years.</li> <li>Consider potential emissions transfer arising from staff working at home.</li> </ul>	<p>Analysis of energy consumption has been undertaken, although data is not necessarily comparable to previous years due to the impact of Covid-19 on working patterns.</p> <p>A study was undertaken to look at the potential transfer of emissions arising from different working patterns.</p>
<b>Electricity and gas usage</b>	<ul style="list-style-type: none"> <li>Focus on the highest emitters in terms of electricity and gas usage. Activities should include both behaviour change for users and retrofit for buildings, to improve thermal efficiency, and changing the heating supply, to reduce energy consumption.</li> <li>To understand the carbon intensity of the buildings listed, the most up to date square meterage should be identified. Where this is not readily available, this should be established.</li> <li>Undertake baseload analysis to better understand usage patterns and deliver interventions to reduce usage, particularly when buildings are being lightly used.</li> <li>Work with energy suppliers and data recording companies to improve the information held about building uses and meter readings, including through the use of additional smart meters.</li> </ul>	<ul style="list-style-type: none"> <li>Work has been undertaken to identify those buildings which have the highest emissions and as noted before a programme of projects is being developed.</li> <li>A Council property asset inventory is being prepared and will feed into a database which will record information including size and metering arrangements. This will inform other areas of work.</li> </ul>
<b>Embodied carbon in Council goods and services</b>	<ul style="list-style-type: none"> <li>Engage with suppliers to understand their operations and emissions, focusing on the largest, and work with them to reduce emissions from goods and services.</li> <li>There needs to be a focus on securing reductions in construction emissions through existing policies and guidance, as well as preparing for the introduction of embodied carbon assessments within the Intend to Publish London Plan.</li> </ul>	<ul style="list-style-type: none"> <li>There has been engagement with suppliers and this has informed the development of an Ethical and Sustainable Procurement Policy.</li> <li>Reducing emissions for new developments has been an ongoing area of work and the new London Plan and the Meridian Water Environmental Sustainability Strategy will help support this going forward.</li> </ul>
<b>Enfield Council homes emissions</b>	<p>Look at opportunities to better assess existing emissions, including by type and size of home.</p>	<ul style="list-style-type: none"> <li>A stock condition survey has been undertaken and has informed the development of a Housing Asset Management Sustainability Strategy.</li> </ul>



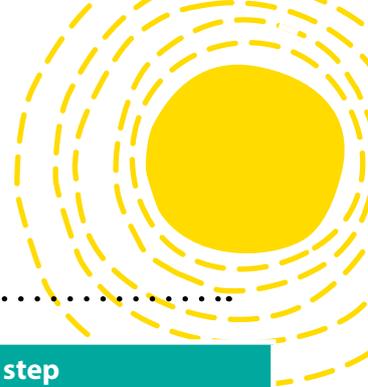
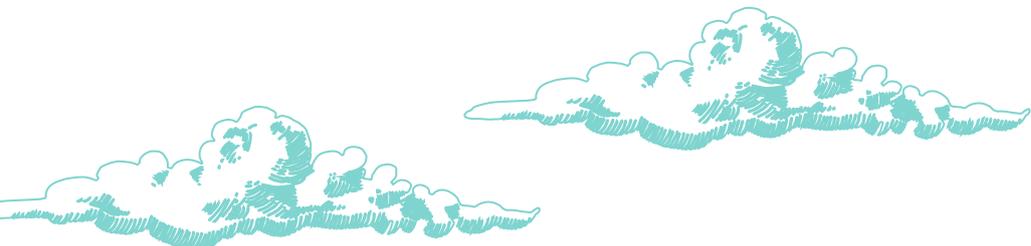
Area	Actions	Update
<b>New build homes data</b>	Consideration should be given to using an alternative to GLA housing figures if data is unavailable when calculating 2020/21 baseline.	<ul style="list-style-type: none"> <li>The figures were available for 2020/21 but this will be kept under review.</li> </ul>
<b>Staff commuting data</b>	The Climate Action Plan already commits to the Council undertaking staff travel surveys. Due to the impact Covid-19 has had on travel patterns this has been delayed. It is unclear when it will be appropriate to undertake this survey, so it will be prepared should there be stabilisation of staff working patterns.	<ul style="list-style-type: none"> <li>Staff working patterns are yet to stabilise so a survey will likely take place later in 2021/22.</li> </ul>
<b>Waste from Council buildings</b>	Undertake analysis to identify the waste produced by Council operations, in particular from buildings.	<ul style="list-style-type: none"> <li>This is being taken forward by the Council's Public Realm service.</li> </ul>
<b>Water usage</b>	Engage with supplier to look at availability of improved data on usage. Alongside this start to develop programme for additional metering.	<ul style="list-style-type: none"> <li>The need for more effective water management and monitoring has been recognised and a new post is being established to address this.</li> </ul>

# Appendix B - Update on Climate Action Plan Actions

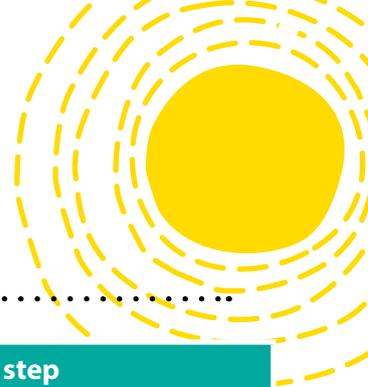
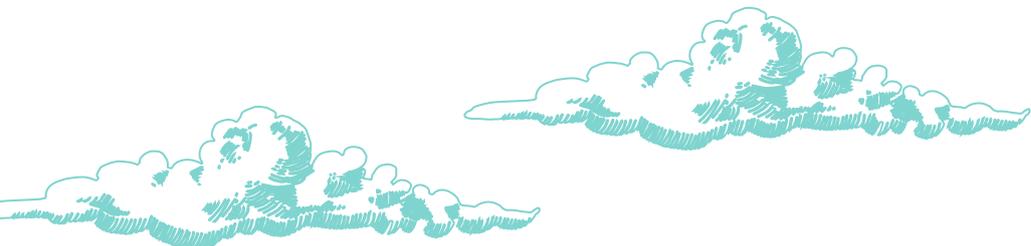
Item	Action	Actions in detail	Status	Next step
OV.1.1	<b>Carbon neutral organisation</b>	The Council will be a carbon neutral organisation by 2030.	<p>Headlines from the review of the Council's carbon emissions for 2020/21:</p> <ul style="list-style-type: none"> <li>• Total Council emissions fell by 4,207 tCO<sub>2</sub>e, around 19%.</li> <li>• Scope 1 emissions fell by 1,258 tCO<sub>2</sub>e</li> <li>• Scope 2 emissions fell by 2,949 tCO<sub>2</sub>e</li> <li>• Scope 2 emissions fell by 10.3%</li> <li>• Overall combined Scope 1 and 2 emissions fell by 0.9%</li> </ul>	<p>Whilst this is positive, there is still a lot to be done, particularly in respect of our own electricity and gas usage.</p> <p>It should also be noted that the Covid-19 pandemic reduced consumption onsite.</p> <p>More information is included in the main report and actions update.</p>
OV.1.2	<b>Carbon neutral borough</b>	The borough will be carbon neutral by 2040.	The review of the Council's carbon emissions for 2020/21 showed a circa 2% drop between 2017 and 2018 (the most recent years that data was available for), which is equivalent to 25,626 tCO <sub>2</sub> e.	The reduction in borough wide emissions is significant in scale when compared to the Council's own emissions. However, more needs to be done to reduce emissions from buildings both existing and new, as well as transport. More information is included in the main report and actions update.
CO.1.1	<b>Staff behaviour campaign</b>	Review and improve how we use our buildings to minimise carbon emissions through a staff behaviours campaign.	Due to the impacts of Covid-19 staff have been focused on maintaining service provision with the majority working remotely. This means it has not been an opportune time to deliver a staff behaviour campaign.	Prepare staff climate awareness campaign and deliver.



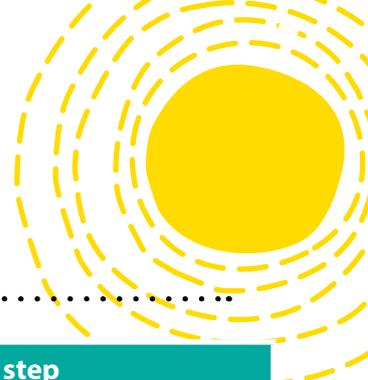
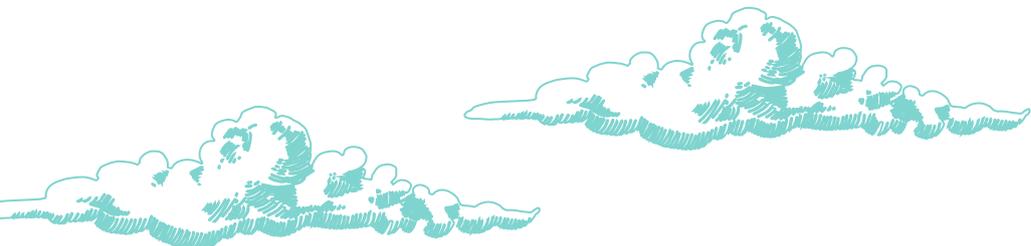
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CO.1.2	<b>Recycling targets and separation</b>	Set new recycling targets for waste from council buildings and increase the quality of waste separation.	The Council has a Waste and Recycling Plan covering 2018 to 2022, which aligns with London wide targets.	When developing the next iteration of the Waste and Recycling Plan look for opportunities to work with stakeholders to reduce waste volumes, including food waste, and increase recycling rates.
CO.1.3	<b>LED Street Lighting</b>	Switch all street lighting to LED.	Programme continued despite disruption due to Covid-19 and was substantially completed by the end of March 2021. In addition, a zero carbon electricity supply contract was procured.	Action will be completed in early 2021/22. Consideration will need to be given to the possible impact of new street lighting assets being added, although the overall change is likely to be minimal.
CO.1.4	<b>Heating system review</b>	Review of building heating systems and operations, including feasibility of lower carbon systems.	As part of a successful bid for Government funding (the Public Sector Decarbonisation Scheme), a number of sites have been surveyed and related improvements identified.	Deliver Public Sector Decarbonisation Scheme funded projects. Undertake further analysis to identify high emitting buildings and then assess options for improving thermal efficiency, making changes to heating systems, ranging from better controls to replacement with low carbon alternatives, and providing additional renewable energy generation capacity. Further work in this area will need to take into account future plans for Council buildings.



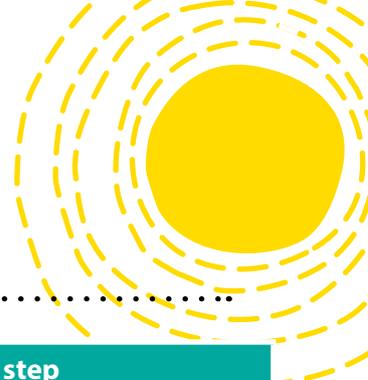
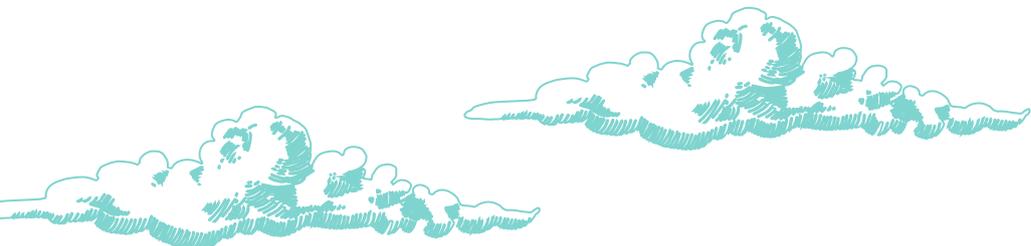
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CO.1.5	<b>Light sensors and timer installation</b>	Install light sensors and timers for heating and air conditioning units in all council buildings.	As part of a successful bid for Government funding (the Public Sector Decarbonisation Scheme), a number of sites have been surveyed and related improvements identified.	Deliver Public Sector Decarbonisation Scheme funded projects. Undertake further analysis to identify high emitting buildings and then assess options for improving thermal efficiency, making changes to heating systems, ranging from better controls to replacement with low carbon alternatives, and providing additional renewable energy generation capacity. Further work in this area will need to take into account future plans for Council buildings.
CO.1.6	<b>Energy sub-metering</b>	Install sub-metering at the Civic Centre to comprehensively meter energy consumption on a floor by floor basis.	Some existing sub-metering has been identified, although this only covers a small proportion of existing buildings.	Undertake assessment of buildings to identify locations where sub-metering would be beneficial. From this develop a programme for sub-metering of Council buildings. Further work in this area will need to take into account future plans for Council buildings.
CO.1.7	<b>Water metering installation</b>	Install water metering for all council buildings.	Work has been undertaken to review existing water supply metering and identify locations where improved management of the supply could be beneficial in terms of both usage and cost of supply.	Recruit an officer to focus on better monitoring and management of the Council's water supplies, with the aim of reducing consumption over time.



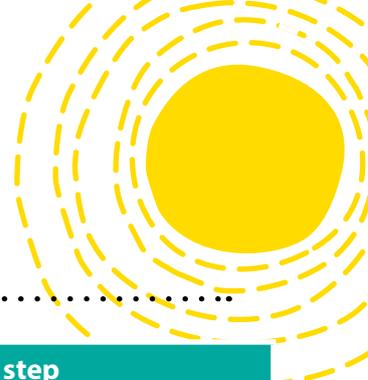
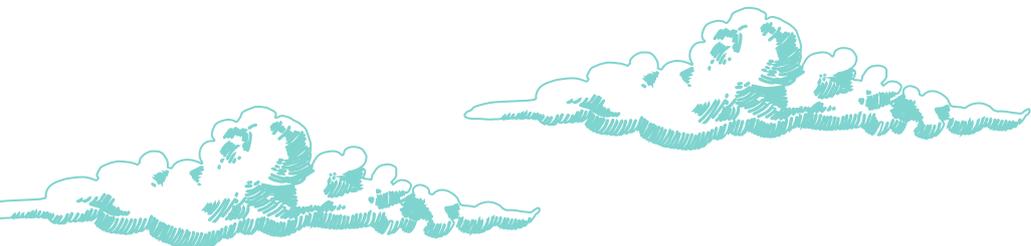
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CO.1.8	<b>Council site EV charging access</b>	Install Electric Vehicle charging points to serve all council owned office sites.	The provision and management of electric vehicle charging has been brought under one team which will act as client for the wider Council. Work has started to procure electric vehicle charging capacity with the initial focus being on Council fleet requirements.	Complete procurement of first phase of Council fleet chargers. Also establish a baseline of Council corporate sites and identify likely electric vehicle charging requirements. This will need to take into account changes to the Council's property portfolio.
CO.1.9	<b>Comprehensive refurb delivery</b>	Deliver comprehensive refurbishment programme including LED lights in all council buildings, voltage optimisation, battery storage and replacement of office equipment (photocopiers, refrigerators, monitors) with the lowest carbon versions.	As part of a successful bid for Government funding (the Public Sector Decarbonisation Scheme), a number of sites have been surveyed and related improvements identified.	Deliver Public Sector Decarbonisation Scheme funded projects. Undertake further analysis to identify high emitting buildings and then assess options for improving thermal efficiency, making changes to heating systems, ranging from better controls to replacement with low carbon alternatives, and providing additional renewable energy generation capacity. Further work in this area will need to take into account future plans for Council buildings.



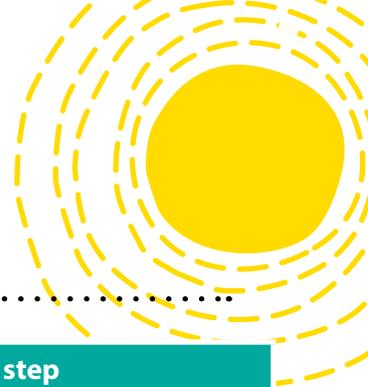
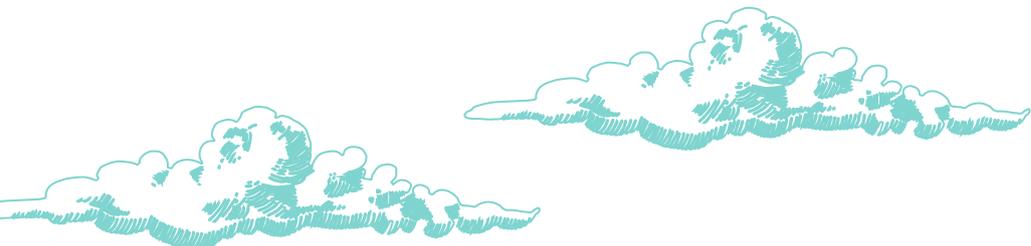
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CO.1.10	<b>Renewable energy capacity on Council sites</b>	Using the available roof capacity available on council owned buildings, increase solar coverage by 2% per year.	Public Sector Decarbonisation Scheme funding has been secured which will be used to undertake works including the installation of solar PV. Future Neighbourhoods 2030 funding was also applied for, which would support installation of solar PV on the Building BloQs site. In addition, a pilot site services cabin on Meridian Water incorporates solar PV.	Delivery of the Public Sector Decarbonisation Scheme works is planned to provide additional capacity which will achieve the related target for the life of the Plan. However, there are still opportunities to increase renewable energy capacity on Council sites so these will be pursued. The action itself and related target should be updated at the next review of the Climate Action Plan, including to reflect the outputs of the proposed local energy plan.
CO.1.11	<b>Council electric fleet</b>	Convert the Council fleet to 60% electric by 2025/26 and 100% electric by March 2030 as contracts come up for renewal.	Whilst the market for fleet electric vehicles matures (there are currently very few products which meet the Council's operational needs at an affordable price) the focus is on improving the carbon efficiency of the existing fleet. To this end the Council has committed to use a diesel variant which generates around 5% less pollution in use.	Review vehicle fleet and develop a plan which supports the transition to zero carbon alternatives as suitable products become available. Procure electric vehicles as part of fleet replacement programme where suitable products are available.
CO.2.1	<b>Climate assessment methodology</b>	Integrate climate assessment methodology into the council decision-making process, focusing on carbon emissions and climate resilience.	In June 2020 Environment and Climate Change considerations were included in corporate reports.	The inclusion of Environment and Climate Considerations in corporate reports was a significant step. The next step is to develop a common approach to assessing and reporting carbon impacts, ideally measured as actual emissions, as part of the decision-making process.



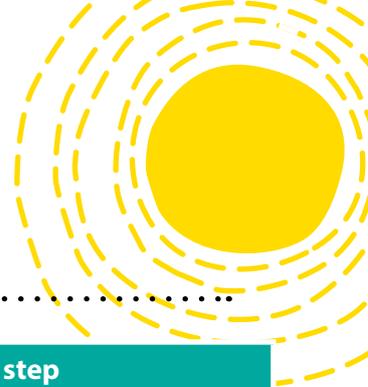
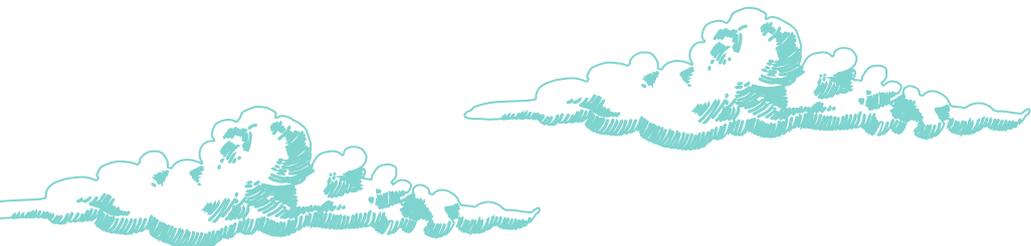
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CO.2.2	<b>Top 30 supplier survey</b>	Survey the top 30 suppliers by value about their carbon footprints.	42 suppliers responded to a survey undertaken to support development of the draft Ethical and Sustainable Procurement Policy.	Engage with more suppliers through the delivery of an Ethical and Sustainable Procurement Policy.
CO.2.3	<b>Council 100% REGO</b>	Switch for council offices	The Council's corporate electricity supplies switched in October 2020.	This is a positive step and means the target has been achieved ahead of schedule.
CO.2.4	<b>100% REGO</b>	Switch to 100% REGO certified renewable electricity supply. This means no longer buying energy generated from coal.	Action complete for Council sites and communal housing areas. Need to undertake further work in respect of supplies to schools.	Aim to procure REGO certified electricity for future supply contracts.
CO.2.5	<b>Maintained schools 100% REGO</b>	Switch for maintained schools	Analysis of school supplies has been undertaken to inform engagement on the corporate energy contract.	Aim to procure REGO certified electricity for future supply contracts.
CO.2.6	<b>Communal housing 100% REGO</b>	Switch for communal housing	The Council's corporate electricity supplies switched in October 2020.	Aim to procure REGO certified electricity for future supply contracts.
CO.2.7	<b>Reduce top 30 products carbon emissions</b>	Identify the 30 products we purchase which produce the greatest carbon emissions (by value or volume) in order to better understand our scope 3 emissions, and to set targets for emissions reductions for these largest emitters.	Focus has been on supplier engagement with products to follow.	Work in this area will follow on from supplier engagement. Initial discussions have highlighted the need for possible change to contracts, which will have to be phased in. Relates to development and delivery of an Ethical and Sustainable Procurement Policy.



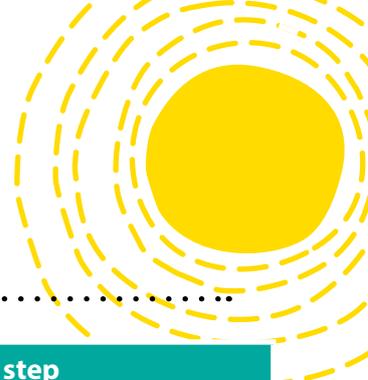
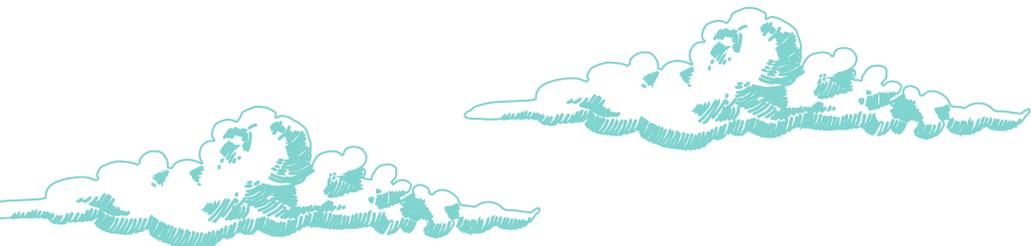
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CO.2.8	<b>Low carbon advice to smaller suppliers</b>	Provide advice to smaller suppliers on how they can assist the council's efforts to be carbon neutral.	Focus has been on supplier engagement with some analysis to inform supplier selection.	Work in this area will follow on from supplier engagement. Given the number of suppliers the Council engages with, will need to target any support at those with potential to have the greatest positive impact on carbon emissions. Relates to development and delivery of an Ethical and Sustainable Procurement Policy.
CO.2.9	<b>Embodied carbon investigation</b>	Undertake an investigation to understand the embodied carbon from a) construction b) other products and services and identify lower carbon alternatives.	As part of our Scope 3 carbon accounting process we have begun to investigate how to monitor and account for GHG emission related to embodied carbon including an initial estimate related to council housing development. As part of our action to develop an Embodied Carbon approach, we have incorporated requirements within our new council housing design standards to undertake embodied carbon assessments for new council developments along with embodied carbon targets. Through the Meridian Water development, to meet embodied carbon targets, investigation into lower carbon product alternatives is being undertaken.	This is a wide ranging area of work which relates to both buildings and procurement. The next step will be to a) construction, to continue to implement requirement for embodied carbon assessments and targets for new council developments with a target to increase scope to include all construction works (e.g highways and infrastructure projects) and b) other products, to implement a new sustainable and ethical procurement policy which increases opportunity to understand product and service footprint and procure lower carbon products. Work with existing suppliers to develop recommendations and toolkits.



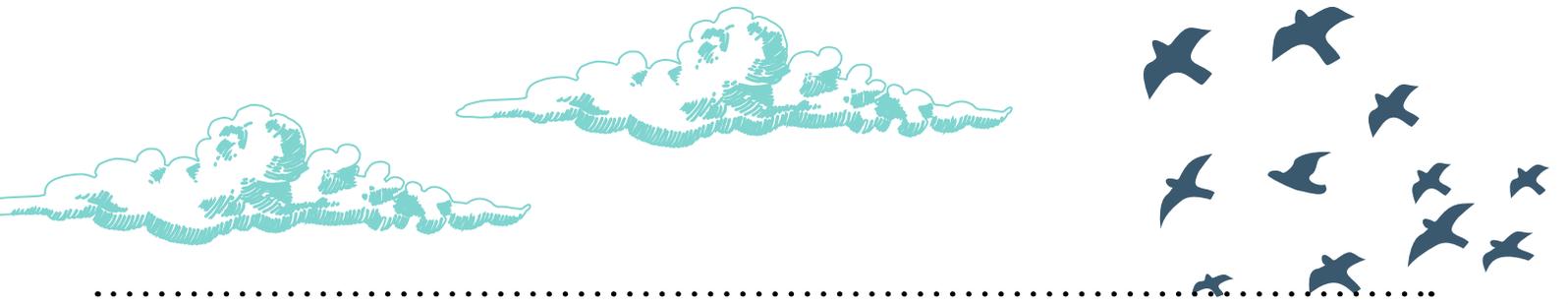
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CO.2.10	<b>Top 50 supplier survey</b>	Survey the top 50 suppliers by value about their carbon footprints.	42 suppliers responded to a survey undertaken to support development of the draft Ethical and Sustainable Procurement Policy.	Engage with more suppliers through the delivery of an Ethical and Sustainable Procurement Policy.
CO.2.11	<b>Green gas</b>	Review opportunities for being supplied by green gas.	This is being kept under review as national approaches to energy provision are developed.	Keep under review.
CO.2.12	<b>Top 30 suppliers low carbon alternatives</b>	Work with our top 30 suppliers to identify low carbon alternatives.	42 suppliers responded to a survey undertaken to support development of the draft Ethical and Sustainable Procurement Policy.	Engage with more suppliers through the delivery of an Ethical and Sustainable Procurement Policy.
CO.3.1	<b>Internal carbon price</b>	Trial an internal carbon price with one Council department and extend that if it helps with decision-making.	Background work has been undertaken to look at options for developing a carbon price.	Having undertaken initial work and discussed with other local authorities, whilst the potential outcome of this approach is understood, there are issues with practical implementation, including making sure that any price is not simply passed on. Therefore, work will be undertaken to further investigate this as well as alternatives such as a carbon budget approach.
CO.3.2	<b>Calculation of carbon and climate impact</b>	Require a calculation of the carbon and climate impact of decisions.	In June 2020 carbon implications were included in corporate reports.	The inclusion of Environment and Climate Considerations in corporate reports was a significant step. The next step is to develop a common approach to assessing and reporting carbon impacts, ideally measured as actual emissions, as part of the decision making process.



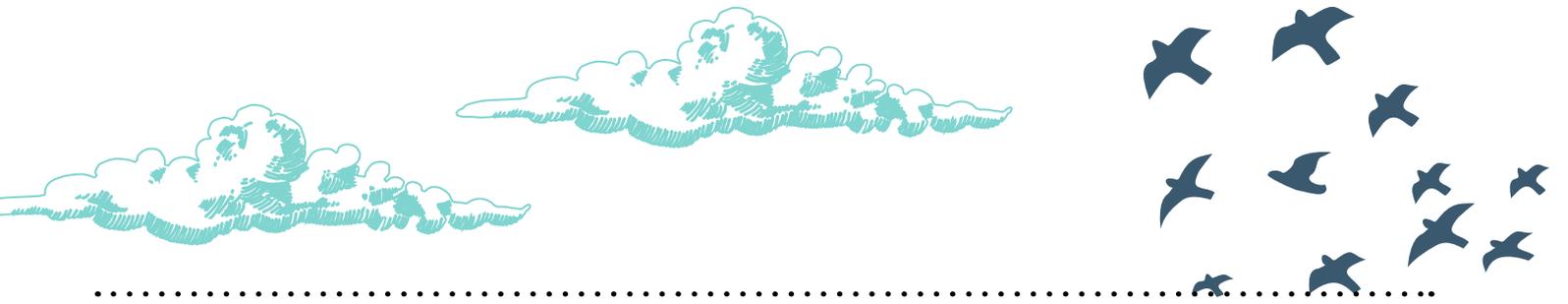
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CO.3.3	<b>Council green leases</b>	Develop 'green' leases for commercial lessees to encourage better low carbon installation and operational behaviour.	The Council has a range of leased premises across a portfolio that broadly covers community, industrial, retail and rural. Further work is required to understand the detailed lease arrangements and identify opportunities to reduce carbon emissions from the Council's commercial properties.	Review best practice in respect of including clauses in new leases which allow for future improvements to properties to improve their environmental performance. There is also work underway at a national level to review and potentially revise the environmental performance standards for commercial properties. This will inform the approach to future retrofit. Undertake an assessment of the Council's property portfolio and migrate details onto a new asset management database. This will likely be completed in 2022/23.
CO.3.4	<b>Carbon literacy programme</b>	Implement a rolling carbon / climate literacy programme, prioritising teams with the greatest impact.	Background work has been undertaken to inform training programme for staff. And there has been bespoke training for high impact teams in the Planning Service.	Prepare staff climate awareness campaign and deliver.



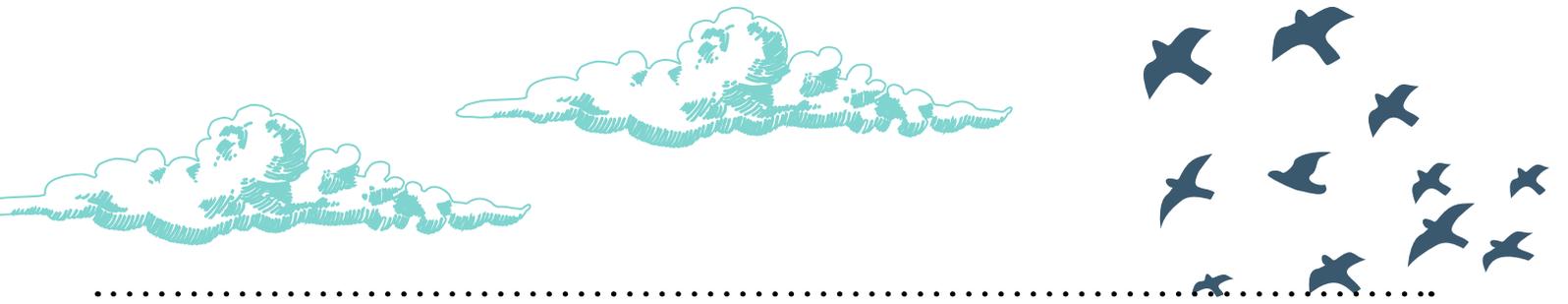
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CO.3.5	<b>Pension fund fossil fuel divestment</b>	Achieve 100% divestment of fossil fuels from all council pension funds.	<p>The Council's Pensions and Investment Committee have developed a Responsible Investment Policy which commits to reducing exposure to fossil fuels and reducing carbon impacts. The Responsible Investment Policy has targets which are less ambitious than those in the Climate Action Plan, although it should be noted that considerations were put forward in respect of this:</p> <p>The pension fund trustees must balance financial returns with other factors including Environmental, Social and Governance (ESG) Issues. Sudden divestment can have significant cost impacts, which is at odds with the fiduciary duties of the fund.</p> <p>The approach will be reviewed in 2022, at which point the target could be altered to reflect new opportunities arising from carbon neutral investments becoming more mainstream.</p>	<p>In January 2021 the Council's Pensions and Investment Committee agreed a work programme for 2021/22 which includes looking at:</p> <ul style="list-style-type: none"> <li>• Investment in Low Carbon</li> <li>• Investment in Clean Energy,</li> <li>• Renewable Energy and or Private Debt</li> <li>• Carbon Footprint Audit.</li> </ul> <p>At the March meeting of the Pension Policy and Investment Committee the Responsible Investment Policy was discussed and the commitment to the divestment target was agreed, with officers tasked with creating a plan to progress with divestment.</p>



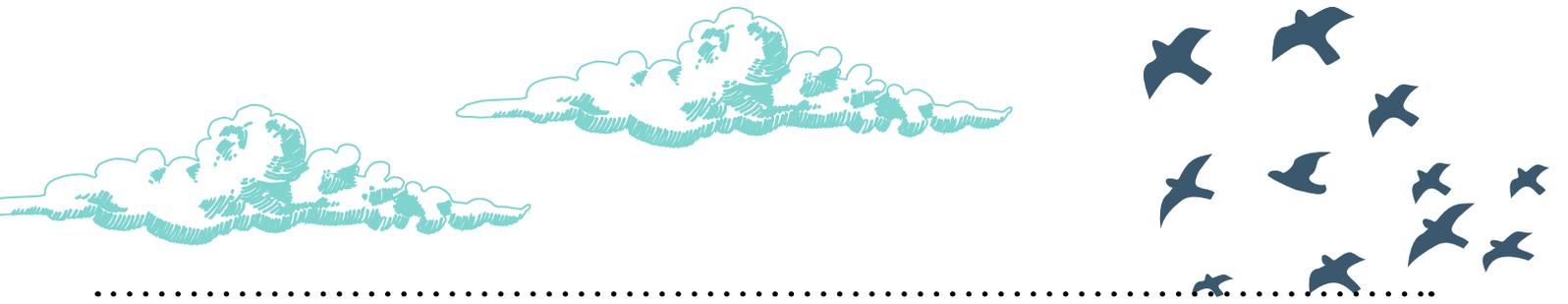
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CO.4.1	<b>Staged divestment</b>	Further 10% of the pension fund is invested in fossil free equities and renewable / clean energy funds.	<p>The Council's Pensions and Investment Committee have developed a Responsible Investment Policy which commits to reducing exposure to fossil fuels and reducing carbon impacts. The Responsible Investment Policy has targets which are less ambitious than those in the Climate Action Plan, although it should be noted that considerations were put forward in respect of this:</p> <p>The pension fund trustees must balance financial returns with other factors including Environmental, Social and Governance (ESG) Issues.</p> <p>Sudden divestment can have significant cost impacts, which is at odds with the fiduciary duties of the fund.</p> <p>The approach will be reviewed in 2022, at which point the target could be altered to reflect new opportunities arising from carbon neutral investments becoming more mainstream.</p>	<p>In January 2021 the Council's Pensions and Investment Committee agreed a work programme for 2021/22 which includes looking at:</p> <ul style="list-style-type: none"> <li>• Investment in Low Carbon</li> <li>• Investment in Clean Energy</li> <li>• Renewable Energy and or Private Debt</li> <li>• Carbon Footprint Audit.</li> </ul> <p>At the March meeting of the Pension Policy and Investment Committee the Responsible Investment Policy was discussed and the commitment to the divestment target was agreed, with officers tasked with creating a plan to progress with divestment.</p>



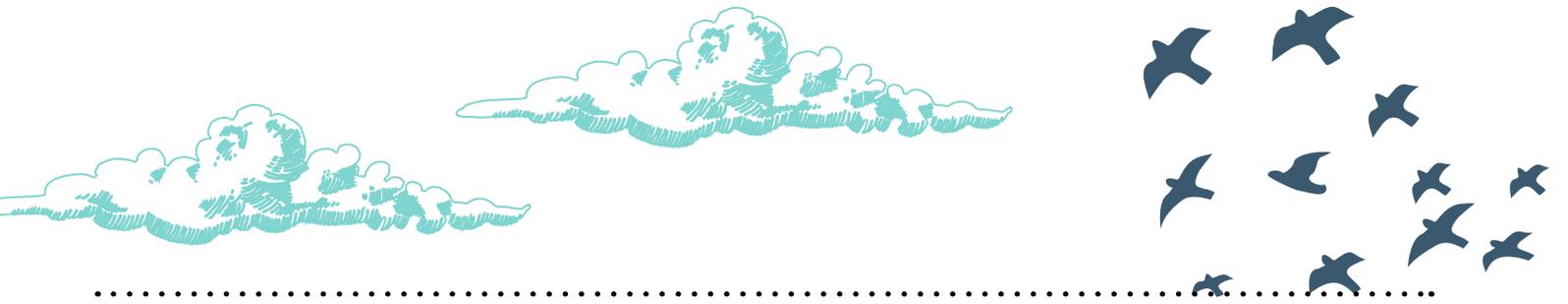
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CO.4.2	<b>Pension fund investment strategy</b>	Develop and agree a Pension Fund Investment Strategy which increases the level of investment in low carbon and fossil free equities and funds whilst still meeting obligations to pension fund members.	<p>The Council's Pensions and Investment Committee have developed a Responsible Investment Policy which commits to reducing exposure to fossil fuels and reducing carbon impacts. The Responsible Investment Policy has targets which are less ambitious than those in the Climate Action Plan, although it should be noted that considerations were put forward in respect of this:</p> <p>The pension fund trustees must balance financial returns with other factors including Environmental, Social and Governance (ESG) Issues. Sudden divestment can have significant cost impacts, which is at odds with the fiduciary duties of the fund.</p> <p>The approach will be reviewed in 2022, at which point the target could be altered to reflect new opportunities arising from carbon neutral investments becoming more mainstream.</p>	<p>In January 2021 the Council's Pensions and Investment Committee agreed a work programme for 2021/22 which includes looking at:</p> <ul style="list-style-type: none"> <li>• Investment in Low Carbon</li> <li>• Investment in Clean Energy</li> <li>• Renewable Energy and or Private Debt</li> <li>• Carbon Footprint Audit.</li> </ul> <p>At the March meeting of the Pension Policy and Investment Committee the Responsible Investment Policy was discussed and the commitment to the divestment target was agreed, with officers tasked with creating a plan to progress with divestment.</p>
TR.1.1	<b>Cycle Enfield</b>	Complete delivery of the main Cycle Enfield routes.	Delivery of main routes on A105 and A1010 has been completed.	The main Cycle Enfield walking and cycling routes have been completed. However, the Healthy Streets programme will continue to deliver schemes which encourage walking and cycling.



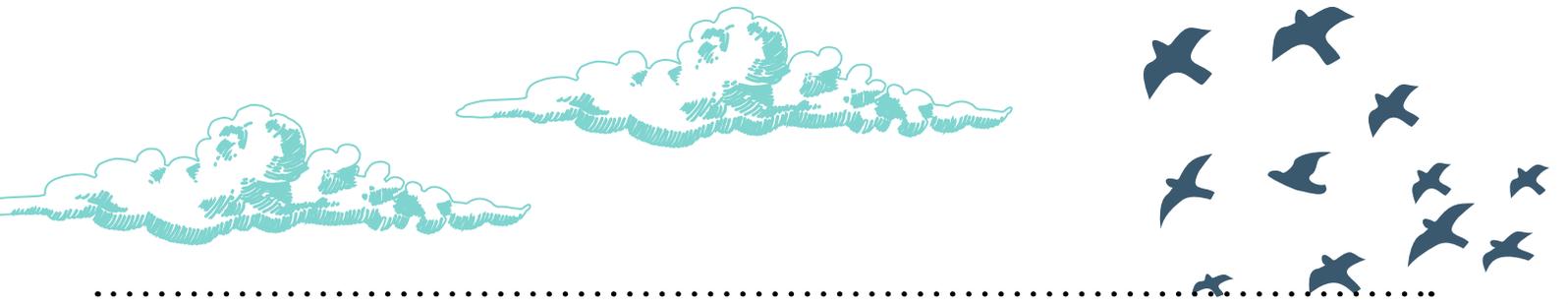
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TR.1.2	<b>Introduce low traffic neighbourhoods</b>	Roll out Low Traffic Neighbourhoods across the borough.	Two low traffic neighbourhoods have been introduced on an experimental basis.	<p>The low traffic neighbourhood programme is progressing with a pipeline of schemes in place. There is currently a material risk to delivery in respect of securing Transport for London funding.</p> <p>There is some direct DfT funding which will be used to deliver schemes.</p>
TR.1.3	<b>Increase public transport</b>	Continue to work with Transport for London, train operators and Network Rail to increase public transport service provision. This includes delivering new infrastructure across the borough.	A new bus route, the 456, has been delivered and significant funding has been secured from new developments to improve public transport services.	<p>Whilst there has been positive progress against this action, there are material uncertainties in respect of demand for services in the near to mid-term, which is having a significant impact on TfL finances and related investment programmes. The long term requirements, including in respect of new infrastructure, will need to be assessed as part of the development of the Local Plan.</p>



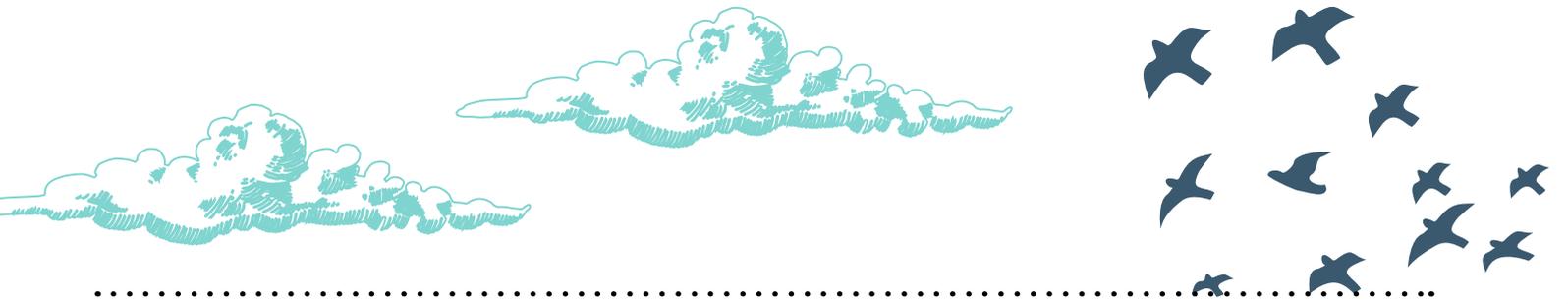
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TR.1.4	<b>Limit new car parking</b>	Limit the provision of car parking spaces on new developments in line with the New London Plan and better manage existing kerbside space.	This is being delivered on an ongoing basis via the planning process.	The Council has sought to deliver a consistent approach in respect of private vehicle parking on new developments, with reduced levels where this is sustainable and impacts can be mitigated, including via investment in active and sustainable travel. Going forward the publication of the New London Plan and development of the Local Plan will be opportunities to evolve this approach to further reduce vehicle ownership and related trips, which are key to encouraging increased levels of walking and cycling.
TR.1.5	<b>Support car clubs</b>	Support the provision of car clubs where it reduces car use and ownership.	This is being delivered on an ongoing basis via the planning process.	The Council has sought to deliver a consistent approach in respect of private vehicle parking on new developments, with reduced levels where this is sustainable and impacts can be mitigated, including via investment in car clubs. Going forward there is an opportunity to engage with car club operators to determine the best approach for providing additional public provision to meet demand.



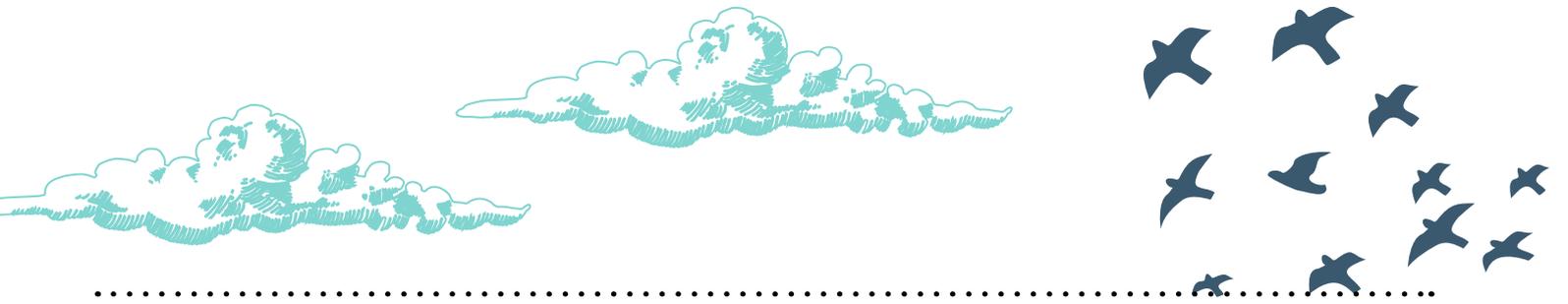
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TR.1.6	<b>Increase cycle parking</b>	Increase the provision of cycle parking on-street, at Council buildings and in new developments (in line with London Plan standards).	There has been progress across these three strands: On-street provision has increased with more cycle hangars on residential streets and hubs at strategic locations. Providing improved cycling facilities is part of the Build the Change programme. Cycle parking on new developments has been secured in line with London Plan targets where this is feasible.	There has been significant progress in this area, although there are risks in terms of funding and identifying suitable locations for provision. In respect of Council site provision, this will need to be monitored to make sure it can accommodate any increase in demand arising from changing travel behaviours.
TR.1.7	<b>Two new 'school streets' each year</b>	Introduce at least two new 'school streets' each year so that parents and children are encouraged to travel to school using active and sustainable transport.	12 were introduced.	There has been significant progress in this area, partly due to increased funding being available due to Covid-19. Going forward this remains a core element of the Healthy Streets programme and the ambition is, subject to funding being secured, for at least a further 10 school streets in 2020/21.
TR.2.1	<b>Staff business travel</b>	Review staff mileage policy and approach to business travel.	Work had previously been undertaken to look at staff mileage which indicated potential savings both in terms of carbon emissions and expenses claims.	There are opportunities to better monitor emissions relating to staff business travel, including by collecting information on vehicle fuel type, as well as updating related policies and approaches to encourage use of active and sustainable modes. This requires further development.



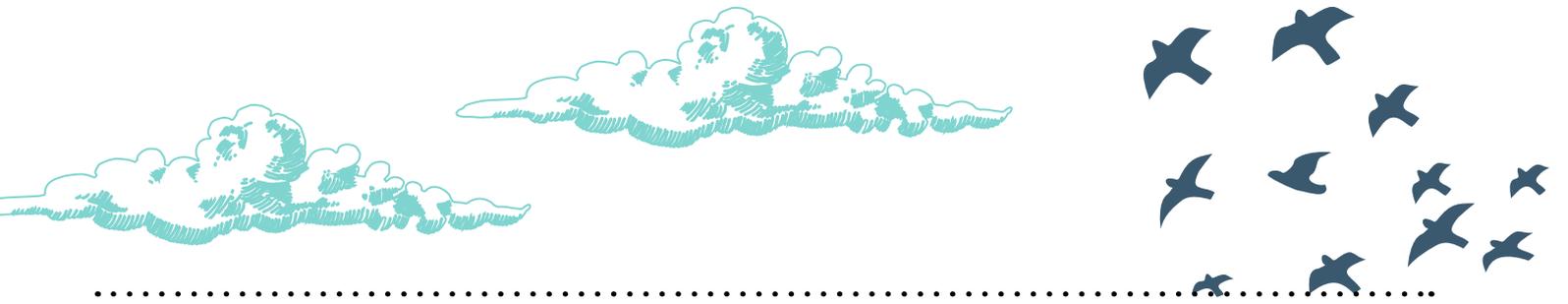
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TR.2.2	<b>Pool bikes &amp; cars</b>	Deliver year on year investment in pool cars and pool bicycles.	Previous work identified opportunities for pool bikes and cars to support staff to travel actively and reduce the use of private vehicles.	Further work is required to identify priority sites for pool bike provision, with a view to supporting a post Covid-19 increase in walking and cycling. The provision of pool cars should be investigated further with a view to developing a business case for investment.
TR.2.3	<b>Staff parking charge increase</b>	Increase charges for staff parking at council offices.	Work in this area will be progressed when the impact of Covid-19 on staff travel and changes to the Council's property portfolio can be assessed.	An approach to staff parking charges should be developed which factors in potential changes to the Council's corporate buildings portfolio and the practicalities of enforcing any charges. There should be an option which encourages staff who need to drive private vehicles to switch to low carbon versions.
TR.2.4	<b>Staff parking reduction</b>	Reduce the number of available parking spaces at council offices for private vehicles.	Work in this area will be progressed when the impact of Covid-19 on staff travel and changes to the Council's property portfolio can be assessed.	An approach to staff parking should be developed which factors in potential changes to the Council's corporate buildings portfolio and the practicalities of delivering changes.



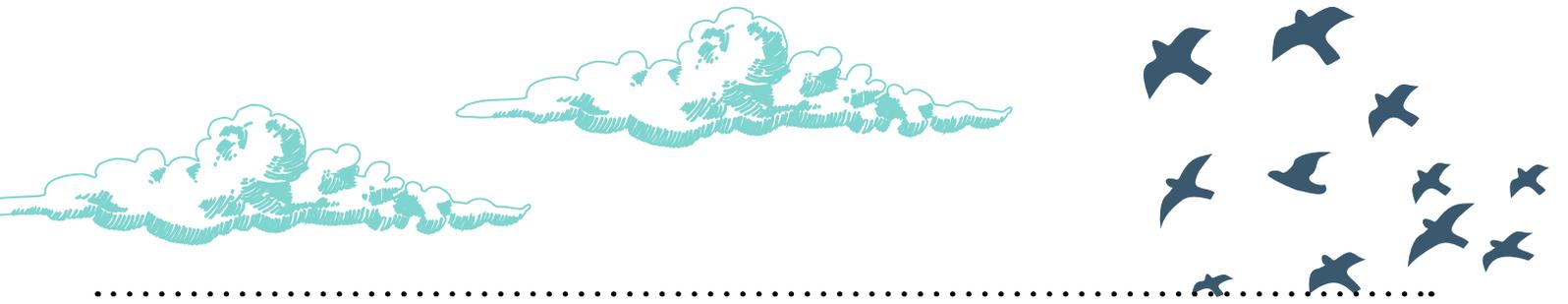
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TR.2.5	<b>Council EV charging</b>	Install charging infrastructure at all council office sites.	Work in this area will be progressed when the impact of Covid-19 on staff travel and changes to the Council's property portfolio can be assessed.	An approach to onsite electric vehicle charging should be developed which factors in potential changes to the Council's corporate buildings portfolio and the practicalities of delivering chargers. The action should also be reviewed to make sure that it reflects the intended outcome, which is that sufficient capacity should be provided to support staff who are unable to switch to active and sustainable travel to move to a low carbon private vehicle.
TR.2.6	<b>Working from home</b>	Encourage staff to work from home when they can.	This has been by the Smart Working Policy, including recent updates to reflect the impacts of Covid-19 on staff working patterns.	The Covid-19 crisis has seen a major shift in parking patterns, with the majority of staff working from home. Supporting staff to continue doing so is in line with long term corporate policies, which is supported by the Build the Change programme. An estimation for work from home emissions has been included in 2020/21 Scope 3 emissions, as working patterns stabilise further analysis will be undertaken to understand the carbon emissions impact related to work from home and whether this has positively impacted our carbon emissions and identify opportunities to further decrease emissions through corporate policies and initiatives.



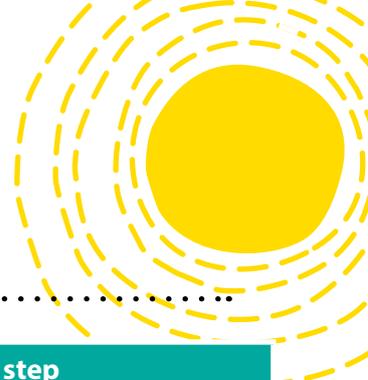
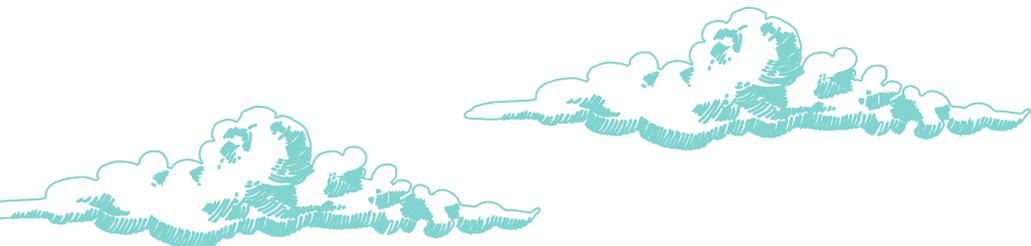
Item	Action	Actions in detail	Status	Next step
TR.3.1	<b>EV Charging in new developments</b>	Include Electric Vehicle charging infrastructure in all new developments meeting the minimum London Plan threshold.	The Council has continued to secure electric vehicle charging provision in line with London Plan requirements.	The adoption of a new London Plan in February 2021 means that the level of electric vehicle charging provision required for new developments has increased. This will be reflected in assessments of planning applications. Related to this, there is an opportunity to improve the monitoring of actual delivery, which will be looked into in 2021/22.
TR.3.2	<b>TfL low emission buses</b>	Work with TfL to increase the number of low and zero emission buses.	There is already a zero emission bus zone in Enfield which runs from Edmonton to Seven Sisters. In addition, TfL are moving towards an all low or zero carbon fleet.	Engage with TfL to map the longer term trajectory for the decarbonisation of their bus fleet.
TR.3.3	<b>Public EV charging</b>	Increase the provision of public highway and car park electric vehicle charging infrastructure to provide over 250 sockets.	Over 80 additional electric vehicle charging sockets have been procured and installation has commenced.	Need to review target to check it aligns with updated demand forecasts being prepared by TfL for autumn 2021. This will inform the development of a longer term costed delivery plan.
BU.1.1	<b>Energetik connection to Meridian water</b>	Connect first new home on Meridian Water to the Energetik decentralised heat network	The Meridian Water development is progressing and will include connections to the Energetik heat network. The laying of pipework between Meridian Water and the Energetik plant is underway.	This action will be delivered as part of the Meridian Water development, which is now underway with Phase 1 enabling works.
BU.1.2	<b>New local plan in line with new London Plan</b>	Deliver a new local plan that is in line with the higher standards of the New London Plan in terms of climate change and net zero.	The development of the Local Plan continues with sustainability one of the core themes.	A draft Local Plan is being consulted on which includes sustainability elements that align with the London Plan requirements. The next step will be to review these following the consultation.



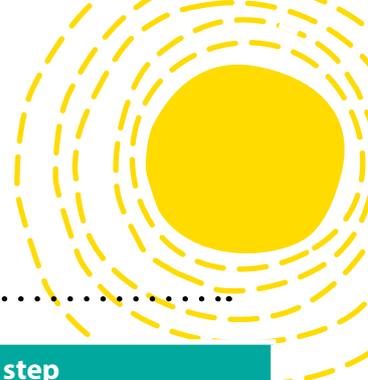
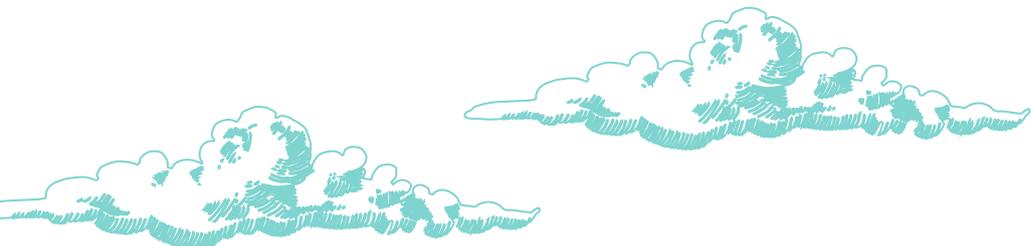
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BU.1.3	<b>New homes to meet net-zero New London Plan</b>	Require new homes that Enfield develop to meet the net zero requirements outlined in the New London Plan or exceed where the opportunity arises.	There has been engagement with relevant teams, which has informed the preparation of bespoke training to enable planning officers to better assess the carbon emissions impacts of new development.	The delivery of bespoke training is an initial output. Then further work is required to secure resources and expertise to ensure that new developments deliver against London Plan requirements or that sufficient mitigation is secured.
BU.1.4	<b>Developers in line with New London Plan and renewables before offsets</b>	Require developers to build net zero homes in line with the New London Plan, pushing for the highest standards and renewables before offsets are considered.	There has been engagement with relevant teams, which has informed the preparation of bespoke training to enable planning officers to better assess the carbon emissions impacts of new development.	The delivery of bespoke training is an initial output. Then further work is required to secure resources and expertise to ensure that new developments deliver against London Plan requirements or that sufficient mitigation is secured.
BU.1.5	<b>Post occupancy evaluation over 20 units</b>	Require every new development over 20 units in size to undertake post occupancy evaluation for two years after occupation on a percentage of properties and to supply performance data to Enfield's Planning and Climate Action Teams.	This relates to the recently published London Plan so will be progressed now that the related planning policy has been formally recognised.	This action will now be progressed with the related processes to be developed.
BU.1.6	<b>BREEAM outstanding for council facilities</b>	Ensure that all council developed facilities are built to BREEAM In Use 'Outstanding'.	This will be the aspiration for relevant projects as they come forward, although an initial review suggests that these will be limited in the near term.	Where Council controlled commercial developments do come forward, as well as meeting the requirements of the new London Plan, consideration will be given to how they can meet the highest levels of BREEAM or equivalent standards.



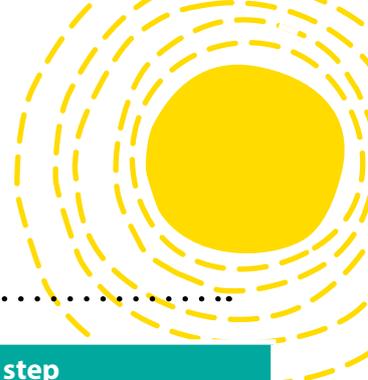
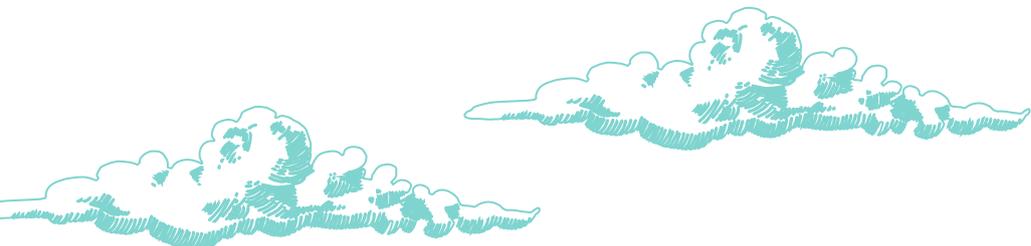
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BU.1.7	<b>Embodied carbon approach</b>	Develop an approach for measuring the embodied carbon for the Council's new developments.	The Meridian Water Environmental Sustainability Strategy outlines an approach to embodied carbon. Embodied carbon targets and related requirements have been included in draft Council Design Standards for all new Council housing developments. The published London Plan has whole life carbon and circular economy statements as a requirement for major projects. There are also policies and principles, in addition to targets, proposed to be adopted as part of the Draft Local plan, which is currently out for consultation	Work on the Meridian Water Environmental Sustainability Strategy has provided a basis for an approach to embodied carbon that can be replicated for other projects. Further work will look at how this can be measured and accounted for. Meridian Water phase 1b planning application will require embodied carbon measurement, which can then be used as an example to share to other projects. Defining a process for more accurately accounting for embodied carbon emissions from all council new development (as part of Scope 3 emissions) is an area for further investigation.
BU.2.1	<b>Participate in CEEB</b>	Join the Coalition of Energy Efficient Buildings (CEEB) to develop new instruments to deliver low carbon retrofit across tenures in Enfield.	The Council became a member of CEEB in July 2020.	The Council should continue to engage with relevant workstreams, as well as more strategic work to develop key asks for across the retrofit sector.
BU.2.2	<b>Share knowledge and embed zero carbon</b>	Work proactively with housing associations and other housing providers to share knowledge and embed a zero carbon approach across mixed tenure organisations.	The Council has been engaging with a range of partners and sharing knowledge through membership of organisations such as the Good Homes Alliance, via the UKGBC Foreground programme and through the registered provider framework procurement process.	There has been progress with delivering against this action. Further opportunities will arise from the Retrofit London Programme, which will include engagement across the housing sectors to promote increased levels of retrofit to a higher standard.



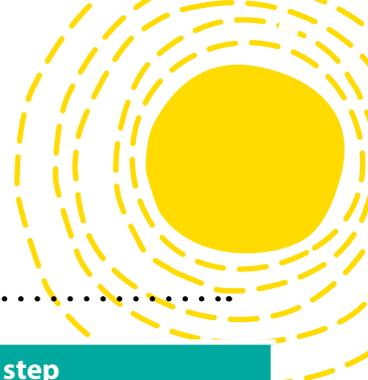
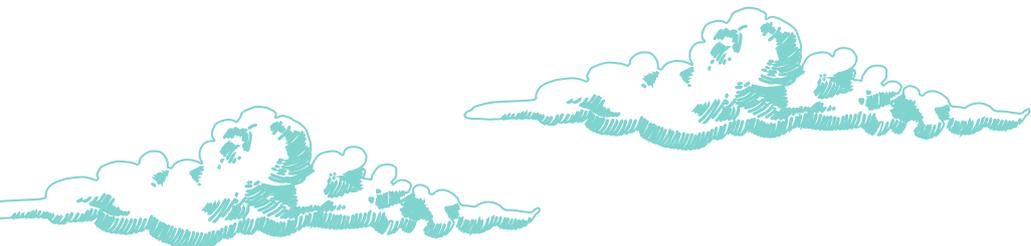
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BU.2.3	<b>Low carbon council housing retrofit plan</b>	Develop a low carbon council housing retrofit plan.	The Council's Housing Asset Management and Sustainability Strategy is being developed and includes improving Council housing assets through retrofit measures. The Retrofit London Programme will also support this work going forward.	Agree the Council's Housing Asset Management and Sustainability Strategy and begin implementation.
BU.2.4	<b>Low carbon retrofit of Enfield Schools</b>	Identify and access funds for low carbon retrofit of Enfield schools.	There has been engagement with schools, including via the Schools Climate Action Network and initial engagement with School Business Managers, about climate action and reducing carbon emissions. This has informed the development of a draft Schools' Climate Action Handbook, which includes information on energy and carbon reduction opportunities and potential retrofit funding paths. Successful pilot installation of energy monitoring software in one school to support user-energy and carbon reductions.	Continue to assess opportunities for low carbon retrofit and funding access in alignment with the schools' capital programme. Continue work to identify potential schools for a low carbon development pilot to implement through future funding programmes. Signpost and support schools with access to future government funding programmes. Continue to undertake technical feasibility assessments to understand challenges and opportunities for low carbon retrofit, including around low carbon heat sources, whole building energy retrofit, and renewable energy installations. Look for opportunities to support energy monitoring schemes in schools to drive user energy reductions through education.



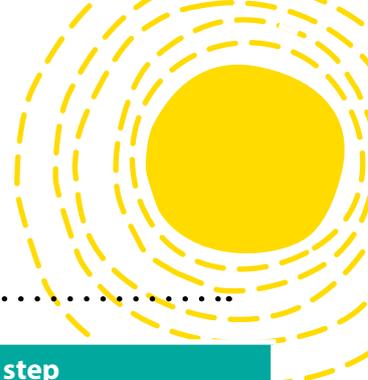
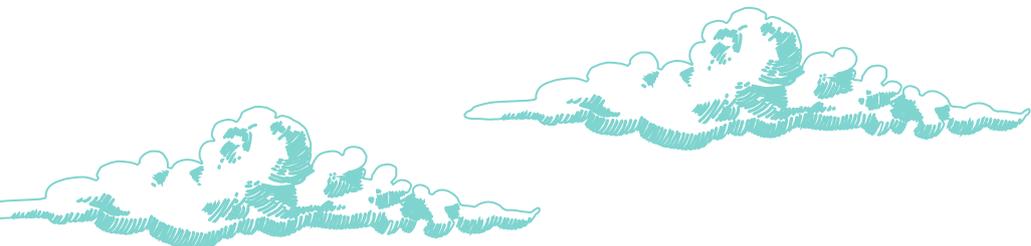
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BU.2.5	<b>Retrofit coordinators</b>	Ensure that Enfield always has two trained retrofit coordinators.	A member of staff is being trained to be a Retrofit Coordinator, with opportunities for securing additional resources being considered.	There has been progress with this action and there is work underway to increase capacity to support final development and then delivery of the Housing Asset Management and Sustainability Strategy.
BU.2.6	<b>Increase private rented property EPC / SAP</b>	Investigate whether Enfield can set higher EPC/SAP targets for private rented property.	The Council's landlord licensing scheme has been launched which includes requiring minimum SAP levels for properties.	There has been progress with the introduction of the landlord licensing scheme which will increase compliance with minimum SAP ratings. However, the current Government requirements do not meet Enfield's average SAP B target. Identifying targets and costs for increasing SAP scores across the housing market will be a key deliverable of the Retrofit London Programme.
BU.2.7	<b>Research impact of low carbon retrofit approaches</b>	Research the impact of different low carbon retrofit approaches (eg Energiesprong) to understand which is the most suitable for the minimum SAP of 84.	The Housing Asset Management and Sustainability Strategy includes an initial assessment of retrofit schemes including whole-house and Energiesprong. The London Retrofit Programme will also consider what is required to bring all properties up to an average of EPC B.	Complete development of the Council's Housing Asset Management and Sustainability Strategy and continue to support the Retrofit London Programme.



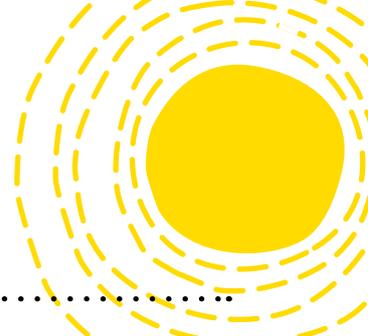
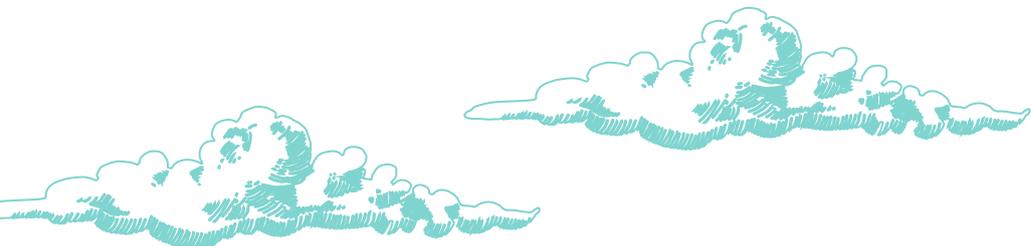
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BU.2.8	<b>Retrofit to SAP 86</b>	Retrofit council housing to increase SAP to a minimum score of 86.	The Housing Asset Management and Sustainability Strategy includes an initial assessment of retrofit schemes including whole-house and Energiesprong. The London Retrofit Programme will also consider what is required to bring all properties up to an average of EPC B.	Complete development of the Council's Housing Asset Management and Sustainability Strategy and continue to support the Retrofit London Programme.
BU.3.1	<b>Non-domestic BREEAM</b>	Ensure that all non-domestic developments are built to BREEAM Outstanding.	This is an ongoing requirement that is secured via the planning process.	This action is delivered as part of ongoing work. Need to secure resources and expertise to ensure that new developments deliver against London Plan requirements or that sufficient mitigation is secured.
BU.3.2	<b>London Plan</b>	Enforce the standards set out in the New London Plan.	This is an ongoing requirement that is secured via the planning process.	This action is delivered as part of ongoing work. Need to secure resources and expertise to ensure that new developments deliver against London Plan requirements or that sufficient mitigation is secured.
WA.1.1	<b>Recycling &amp; composting for flats</b>	Create a waste strategy for flatted properties to expand and improve recycling and food composting, adopting the good practices and recommendations from the Resource London Flats Recycling Project.	This has not been progressed because the service has been focused on dealing with the challenge of Covid-19 including additional waste and recycling being presented for collection.	Undertake a pilot project to test alternative approaches to collecting waste and recycling from flats.



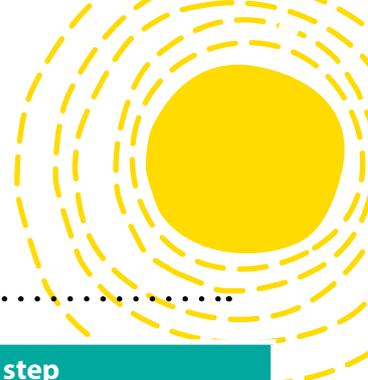
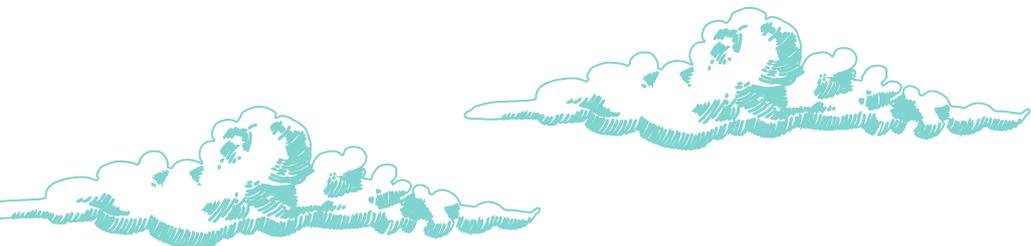
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WA.1.2	<b>Local food production</b>	Identify initiatives to increase local food production and opportunities for using land for growing, starting with Council owned land.	The Council already provides allotments and community growing spaces, as well as owning agricultural land in the north of the borough. In addition, the Blue and Green Strategy includes and ambition to increase food production.	Look at opportunities for increasing local food production via delivery of the Blue and Green Strategy and through Council procurement.
WA.1.3	<b>Construction waste targets</b>	Develop construction waste targets.	The London Plan has policies in relation to construction waste and the Meridian Water Environmental Sustainability Strategy considers how it can be minimised.	There is a need to make sure that existing London-wide policies are implemented and also to set a corporate standard for dealing with various elements of sustainable development.
WA.1.4	<b>Waste reduction for schools</b>	Work with schools to help decrease waste and increase recycling and food composting.	The emerging schools' climate action handbook includes information on recycling and waste.	Work with schools to look at reducing food waste.
WA.1.5	<b>Council recycling</b>	Overhaul and improve the Council's own recycling and waste sorting and collection from council buildings, and intensify the campaign to educate all staff on recycling, to increase our corporate recycling rates and introduce circular economy principles.	With Covid-19 leading to significant operational challenges and lower numbers of staff onsite this has not been progressed.	With likely longer term structural changes to both staff working patterns and the Council's building assets, this action should be pursued once changes have been embedded. Potential areas to consider are improved recycling facilities and staff awareness.
WA.2.1	<b>Business plastic reduction</b>	Support the NLWA on all waste reduction campaigns, including low plastic zones initiative which encourages businesses to reduce the use of excessive and unnecessary plastic.	This is part of ongoing NLWA work, including low plastic zones, which the Council supports.	Continue to raise awareness of the impact of single use plastic products and signpost people to alternatives.



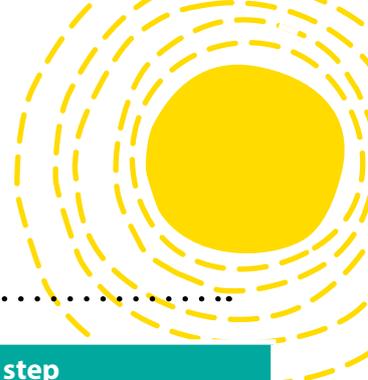
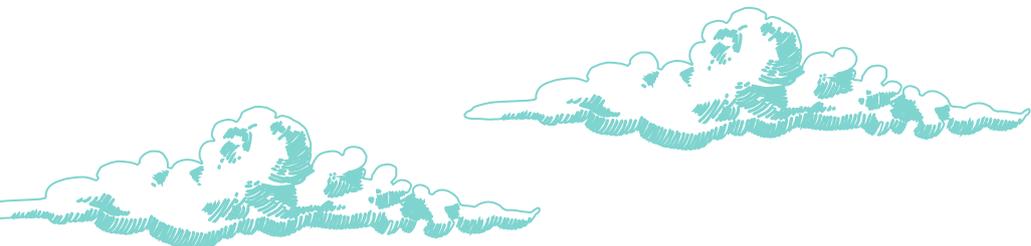
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WA.2.2	<b>Refill Enfield expansion</b>	Expand Refill Enfield, whereby businesses are encouraged to offer free tap water, to prevent the need to purchase single use plastic bottles.	This has not been progressed because of Covid-19 related restrictions.	Once Covid-19 restrictions allow, continue to support the Refill London scheme.
WA.2.3	<b>Residents circular economy campaign</b>	Run a campaign with residents to promote circular economy principles, increase recycling rates and reduce food waste within the home, reducing unnecessary packaging.	A recent media campaign by the Council encouraged people to follow circular economy principles including reuse and recycling.	Identify further opportunities to encourage people to adopt circular economy principles.
WA.2.4	<b>Circular Economy procurement</b>	Identify where circular economy principles can be included in Enfield's procurement policies and processes and develop ways of measuring progress.	Development has started on a new Sustainable and Ethical Procurement policy.	Make sure that this is considered in the Sustainable and Ethical Procurement Policy.



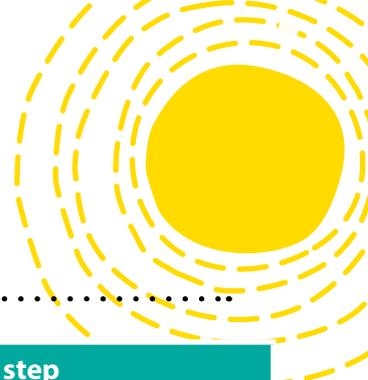
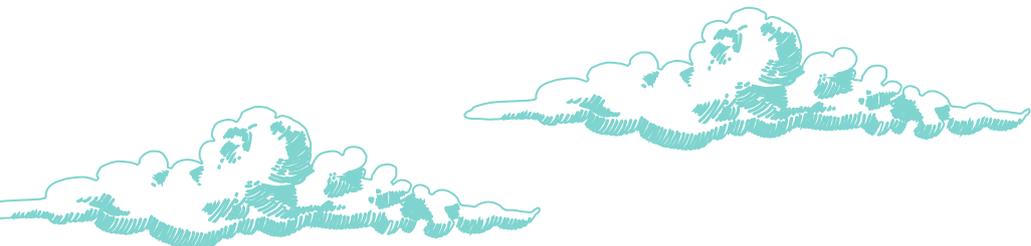
Item	Action	Actions in detail	Status	Next step
EN.1.1	<b>Energetik investment</b>	Continue to invest in Energetik with more homes connected each year.	Energetik's connection numbers as at 31 March 2021 – a total of 615 connections – were one year ahead of schedule.	In June 2021 the Council approved a further £49m of investment in Energetik to expand its network north to Enfield Town and west to Arnos Grove and north through Southgate to Cockfosters, allowing up to 30,000 existing and new homes to be connected. 6,550 new homes have already been identified as likely to connect over 12 years. A retrofit pilot of 42 homes is in progress in 2021 to test the feasibility of connecting existing properties at scale to the Energetik network. In addition, a large bulk connection to the neighbouring borough of Haringey is being developed to allow Enfield's low carbon heat network to support Haringey and Hackney expand their heat networks. Further work now includes mapping existing Council homes near the proposed expanded network as well as future developable land identified by the Council as part of its strategic review of Enfield, all to make sure that new build and retrofit activities maximise the benefits of this low carbon heat source.



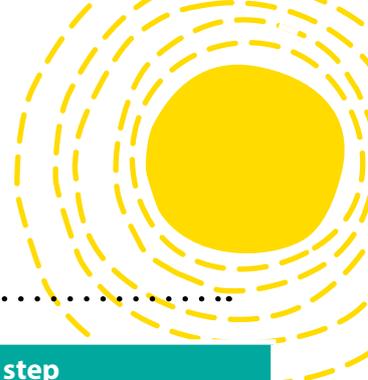
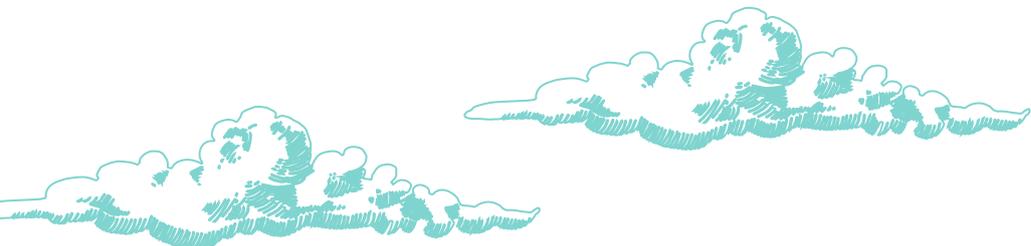
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EN.1.2	<b>10 year energy strategy</b>	Develop a 10-year energy strategy to deal with anticipated changes in energy markets over the next decade.	The scope, vision and outcomes of a local energy plan have been developed. This outlines an energy masterplan which sets out future requirements and the approach to meeting these.	Develop a local energy plan which sets out future requirements and the approach to meeting these. The intention is that this will be a Local Area Energy Plan which will be developed in partnership with the GLA Local Energy Accelerator programme.
EN.1.3	<b>Council renewable energy</b>	Review the council's land ownership and identify viable renewable energy generation options, prioritising wind and solar.	This has been identified as an opportunity in the scope for the local energy plan.	Develop a local energy plan which sets out future requirements, including for renewable energy generation, and the approach to meeting these. The intention is that this will be a Local Area Energy Plan which will be developed in partnership with the GLA Local Energy Accelerator programme.
NA.1.1	<b>Urban green infrastructure</b>	Develop a green infrastructure planting programme across urban areas, increasing the number of trees and other greenery, particularly where this is currently lacking.	There was a net increase in the number of street trees planted in 2020/21. In addition, the development of the Blue and Green Strategy will provide a framework for delivery of the longer term action.	Deliver the annual street tree planting programme for which funding has doubled in 2021/22. Review the Council's Tree Strategy, which sets out the approach to managing existing and new trees, as well as the conditions for providing trees in urban areas taking into account practical requirements including maintenance and liability. Begin implementation of the Blue and Green Strategy.
NA.1.2	<b>New trees</b>	Plant 100,000 new trees through Enfield Chase reforestation in the north of the borough.	Despite the impacts of Covid-19, the planting of the first 50,000 trees as part of the Enfield Chase Restoration Project was successfully completed.	Submit funding applications to support further rewilding of Enfield.  Deliver the annual street tree planting programme for which funding has doubled in 2021/22.



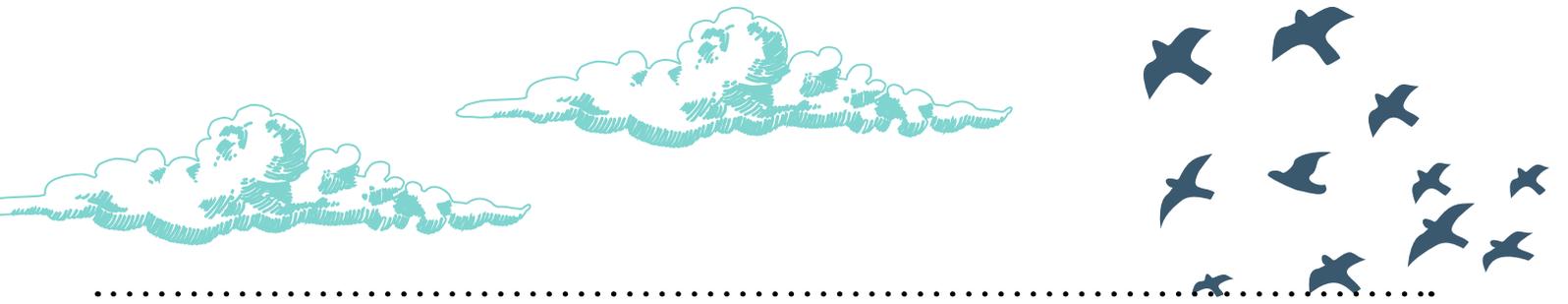
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NA.1.3	<b>Forest and woodland programme</b>	Deliver a 10-year tree planting and woodland creation programme in the north of the borough to further increase the amount of woodland from the initial 100,000 new trees.	Despite the impacts of Covid-19, the planting of the first 50,000 trees as part of the Enfield Chase Restoration Project was successfully completed.	Develop a longer term plan for the next stage of rewilding.
NA.1.4	<b>Wetland capacity increase</b>	Continue to develop wetland capacity to increase flood resilience.	Despite the impact of Covid-19 on funding and project delivery, work continued on wetland schemes including at Albany Park.	Continue to deliver new wetland schemes, with at least 1 per year. There is already a pipeline of projects which includes Durants Park (planning approved), Oakwood Park (planning application submitted) and Wilbury Way Open Space (at pre-application stage).
NA.1.5	<b>Meridian water blue green infrastructure</b>	Integrate blue green infrastructure features such as rain gardens and trees into the Meridian Water development and naturalise Pymmes Brook.	The first elements of infrastructure will be delivered as part of the Strategic Infrastructure Works which are due to start on site late 2021.	Continue to monitor progress with delivery against the targets set out in the Meridian Water Environmental Sustainability Strategy. This will include biodiversity net gain monitoring.
IN.1.1	<b>Community communication</b>	Use established council and community communication channels to passively engage with households across Enfield on: Energy efficiency, Renewable energy installation, Low carbon refurbishment, Low carbon consumption choices and how to reduce waste, Low carbon travel, Adapting to climate change.	Significant progress has been made with a recycling and waste campaign, launch of the next tranche of Solar Together and ongoing promotion of active travel including around the London Streetspace initiatives.	Review further opportunities for community communication campaigns as part of wider Council communications activities.



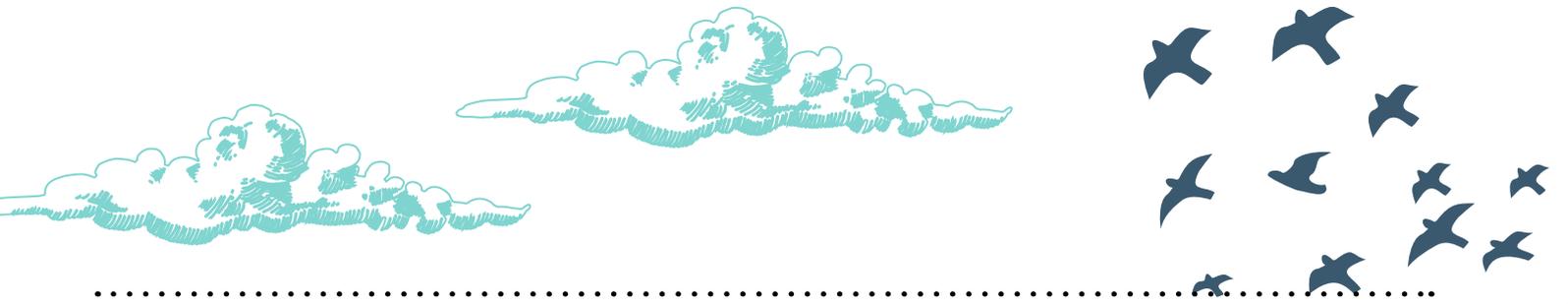
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IN.1.2	<b>Retrofit for fuel-poor</b>	Identify fuel-poor households in the private rented sector and in owner-occupied homes to prioritise support for low carbon retrofit using a mixture of EPC data and information from across Enfield services.	Households have been targeted for Green Homes Grant with the joint Enfield / Waltham Forest HEET initiative offering advice and support.	Further work will be informed by the action plan being developed as part of the Retrofit London programme.
IN.1.3	<b>CEEB network</b>	Use the CEEB to identify options for zero carbon retrofit across all tenures.	The Council has joined CEEB and is engaged with related areas of work including Green Rental Agreements.	Continue to engage with CEEB's emerging activities and utilise the expertise of the Green Finance Institute when looking at funding models for various elements of the Climate Action Plan.
IN.1.4	<b>Green doctors</b>	Establish feasibility of using 'green doctors' to engage specific households on energy switching and efficiency.	Household engagement has been limited due to Covid-19.	Identify the best approach to delivering this action taking into account best practice from elsewhere and the action plan being developed as part of the Retrofit London programme.
IN.1.5	<b>Resident engagement</b>	Identify the effective ways of actively engaging residents across Enfield with targeted messages relating to climate change, through home visits, phone calls and third party visits.	Household engagement has been limited due to Covid-19.	Review further opportunities for community communication campaigns as part of wider Council communications activities.



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IN.2.1	<b>Adaptation in health and social care</b>	Work with our health and social care provider colleagues to raise the importance of adaptation and mitigation in the health sector to protect vulnerable residents from extreme weather.	Whilst this year the priority has been on supporting vulnerable residents through the Covid pandemic, the People Directorate has implemented and will continue to seek to expand initiatives such as remote working for staff, active lifestyles through initiatives such as Making Every Contact Count training and reduced unhealthy food consumption, and tobacco use.	Identify opportunities to build on existing positive areas of work. There will also need to be further consideration of the potential impacts of climate change on the delivery of health and social care services, as well as what role adaptation and resilience can play in mitigating negative impacts.
IN.2.2	<b>Vegan/vegetarian catering</b>	All events held by Enfield Council where catering is provided to offer only vegan or vegetarian options.	Council onsite catering has been heavily impacted by Covid-19.	Need to consider once Council sites start to reopen and discretionary catering is offered.
IN.2.3	<b>School engagement and climate summit</b>	Encourage and support schools in their work to cut carbon and raise the importance of adaptation and mitigation, including by holding a school climate summit at the earliest opportunity.	The emerging schools climate action handbook includes a range of information including on recycling and waste. The first School's Climate Action Network meeting has taken place.	Publish the School's Climate Action Handbook and continue to support the related network.
IN.2.4	<b>SME support</b>	Work with regional partner local authorities to support small and medium businesses (SMEs) to address barriers to becoming more energy efficient and reducing their carbon footprint.	The delivery of areas of work such as this has been severely restricted by the impacts of Covid-19.	There are wider opportunities for engaging with SMEs, including as part of Covid-19 recovery work. This is an area of work that could inform the development of a handbook in a similar style to that prepared for schools.



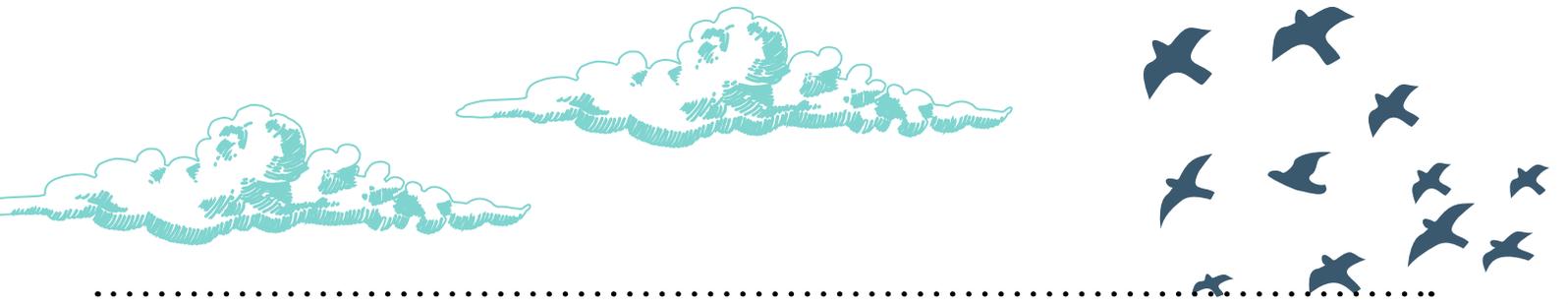
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IN.2.5	<b>Climate change partnership</b>	Establish a borough wide climate change partnership, initially focused on the largest emitters across the borough.	The delivery of areas of work such as this has been severely restricted by the impacts of Covid-19.	Engage with businesses to understand their priorities and then consider what support the Council can offer, potentially including a green business forum, and also signpost businesses to existing resources.
FI.1.1	<b>Funding</b>	Take advantage of grant and low-cost loan funding available to enable us to take the action required to become carbon neutral.	The Council has been successful in securing significant funding for housing and corporate building retrofit.	There is a significant amount of work required to identify the potential for new retrofit schemes. This is alongside a range of other area and sector based programmes which will include climate action and sustainability.
FI.1.2	<b>Non-domestic RHI for schools</b>	Maximise funds such as the non-domestic renewable heat incentive to upgrade energy supply to the borough's schools.	This has been included in the School's Climate Action Handbook.	As well as signposting schools to the non-domestic Renewable Heat Incentive, a pilot school retrofit project should be developed and put forward for funding as it becomes available. This pilot will inform the development of a pipeline of decarbonisation schemes.
FI.1.3	<b>CAP cost plan &amp; budgeting</b>	Undertake exercise to identify costs associated with delivery of the CAP so that this can inform the Council's budget setting process and our ask of partners, in particular the Government.	The focus to date has been on delivering existing programmes of work which deliver against the Council's carbon emissions targets, as well as securing immediate funding opportunities.	The next steps are to look to quantify current business as usual spend which supports climate action and to identify potential future requirements for the Climate Action Plan, with a focus on priority areas where there are clear asks, some of which can be informed by strategic work such as the Retrofit London action plan.



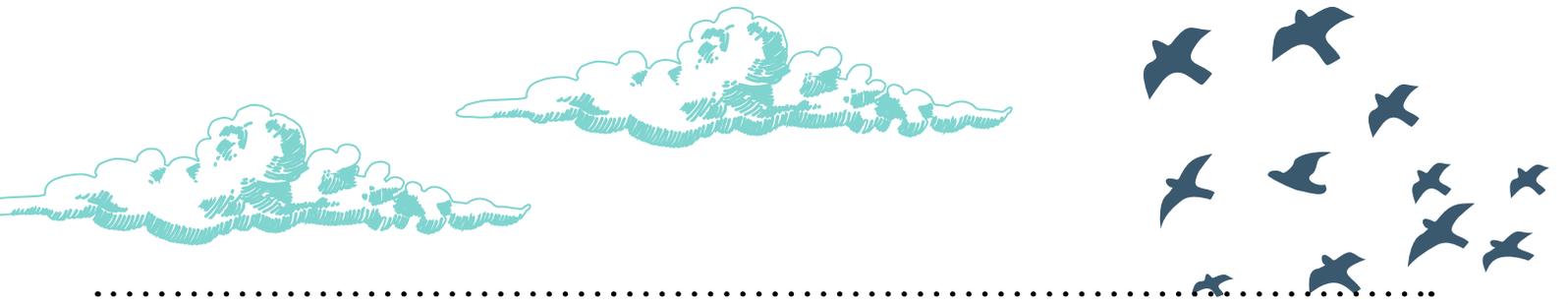
Item	Action	Actions in detail	Status	Next step
FI.1.4	<b>Carbon price</b>	Develop and test a price for carbon associated with the Council's decisions and activities. Use this to charge a levy against poor internal carbon performance, with income used to fund zero carbon investment to reduce carbon emissions from council buildings.	Background work has been undertaken to look at options for developing a carbon price.	Having undertaken initial work and discussed with other local authorities, whilst the potential outcome of this approach is understood, there are issues with practical implementation, including making sure that any price is not simply passed on. Therefore, work will be undertaken to look at alternatives such as a carbon budget approach.
FI.1.5	<b>Carbon offset fund</b>	Maximise the Carbon Offset Fund to provide capital to invest in housing retrofit and renewable energy projects	There have been increasing levels of receipts into the Carbon Offset Fund (COF) and a significant project has been identified which it could support.	Further guidance on acceptable uses for the COF needs to be prepared. There are opportunities for increasing compliance by delivering training for Council staff, with workshops for planners and other colleagues being developed. The Local Plan development cycle is also an opportunity to develop a more progressive COF approach which encourages compliance rather than developer contributions.

# Appendix C - Update on Climate Action Plan Key Performance Indicators

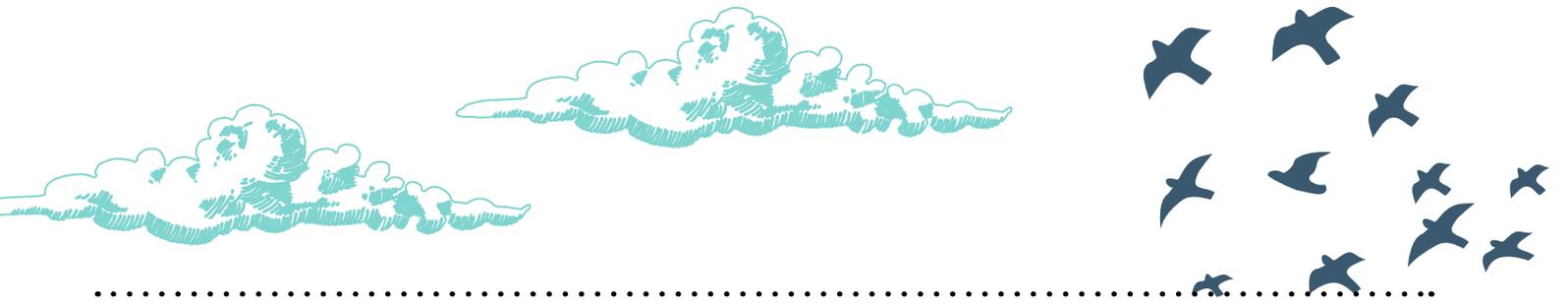
KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
CO1	% reduction in carbon emissions	% reduction of total Scopes 1 and 2 carbon emissions compared to 2018/19 baseline of 21,908 tCO <sub>2</sub> e.	20% reduction over baseline 19% annual reduction from previous year.	73%	31/12/2030	Minimum 7.3% reduction per annum
CO2	Emissions per employee	Total Scope 1 and 2 emissions divided by number of employees.	5.4 tCO <sub>2</sub> e Representing 27% reduction over baseline with 3,266 Council FTE.	1.83 tCO <sub>2</sub> e	31/12/2030	Annual 10% reduction
CO3	Emissions per home	Not clearly defined in Climate Action Plan.	This is related to the average EPC rating of B for housing which is covered by other KPIs. Therefore, this has not been reported as a separate KPI.	0.52	31/12/2030	Annual 10% reduction
CO4	% of fleet that is fully electric (note is repeated in transport section)	% of Council's directly managed fleet that is a fully electric vehicle.	3 of the Council's fleet of 303 vehicles was electric at the end of March 2021. Additional electric vehicles will be procured in line with fleet replacement requirements, with the initial focus on smaller vehicles where there are suitable models available.	60%	31/03/2026	60% by 2026 100% by 2030



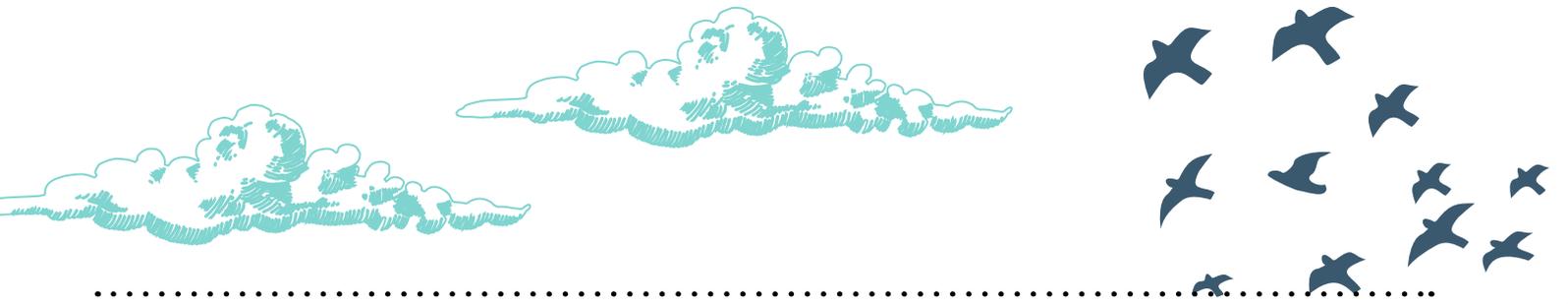
KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
CO5	Number of Council offices with access to charging provision for council fleet and staff vehicles	The definition for this KPI is still to be determined.	This KPI needs to be defined taking into account the intention of the related action (support people who need to drive private vehicles to switch to electric) and changes to the Council's property portfolio, which is linked to the Build The Change programme that has been developed and is now being delivered.	All	31/12/2025	20% per annum
CO6	% of staff who have completed climate related training	Percentage of staff who have undertaken online training via the Council training portal or who have attended specific training session organised by the Council.	Given the impacts of the Covid-19 pandemic on staff capacity, carbon literacy training is still to be designed and delivered. This has been noted as an area to progress in 2021/22.	40%	31/03/2022	70% by March 2023, 100% by March 2024



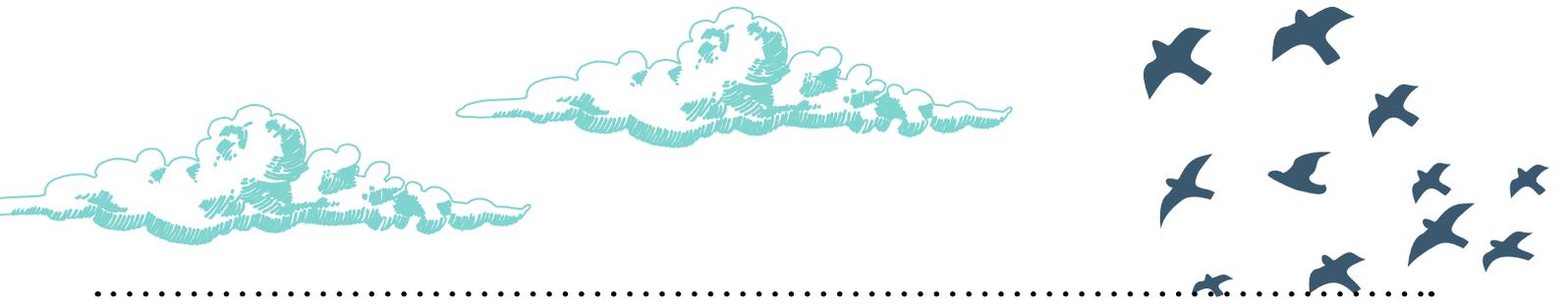
KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
CO7	% of respondents to carbon neutral suppliers survey.	Percentage of suppliers responding to a survey.	A review of suppliers identified around 2,150 organisations providing goods and services to the Council. Given the breadth of the supply chain (both in terms what is being supplied and the value), a one size fits all survey was not viewed as the optimum approach. Instead as part of the development of the Ethical and Sustainable Procurement Policy there was targeted engagement with a sample of suppliers, of which 42 responded.	60%	31/03/2021	2021/22 70%, 2022/23 80%
CO8	Increase in on site renewable energy (note is repeated in Energy section)	Additional kWh of renewable energy generated by installations on Council buildings.	Funding was secured for improvements which should see the 2030 target achieved by 2022. The new Building Bloqs facility will be heated by a biomass system.	56,622 kWh	31/03/2021	2% pa increase
CO9	Pension fund divestment from fossil fuels	Percentage of pension fund assets invested in companies involved in the production and distribution of fossil fuels.	Circa 0.9% of the pension fund is invested in fossil fuels.	0%	31/03/2025	Not currently set



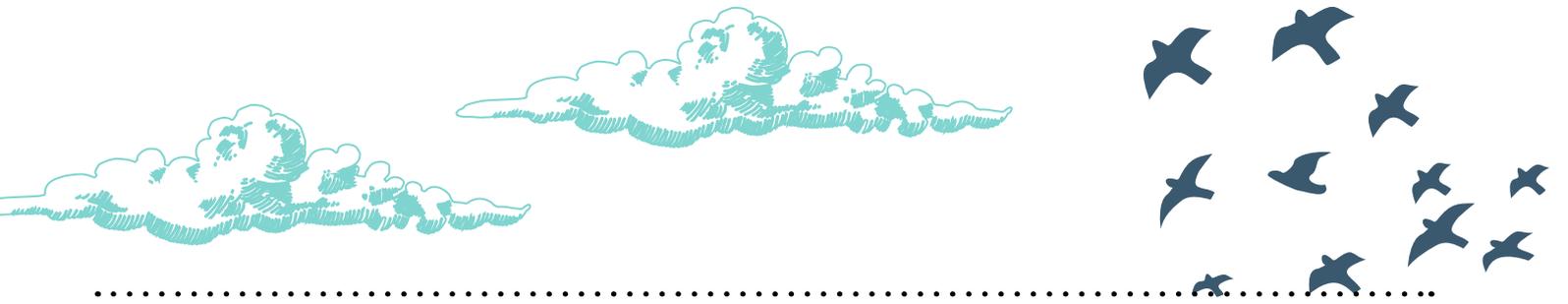
KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
CO10 (New)	% reduction in carbon emissions	Total borough wide energy use related carbon emissions.	2% reduction over baseline Borough-wide emissions have been realigned with best practice to ensure consistency, with 2020/21 reporting relating to 2018 data due to lag in provision by Government.	100%	31/12/2040	Annual 5% reduction
TR1	% of staff commuting and business journeys taken by active, efficient and sustainable modes - public transport, walking and cycle.	% of staff using active, efficient and sustainable modes - public transport, walking and cycle as their primary modes of transport for commuting and business journeys.	The intention was to undertake a staff travel survey in 2020/21 to provide the baseline for this target and define expected performance, most likely in line with the borough-wide target. However, travel patterns were severely disrupted by the Covid-19 pandemic so the survey was postponed with a view to undertaking it when commuting and working patterns stabilise to some extent.	Not set	Not set	Not set
TR3	Trips made by active, efficient and sustainable modes - public transport, walking and cycling.	% of trips originating in Enfield that are made by active, efficient and sustainable modes.	55% of trips for 2017/18 to 2019/20 were made by public transport, walking and cycling.	55%	31/12/2021	69% by 2041



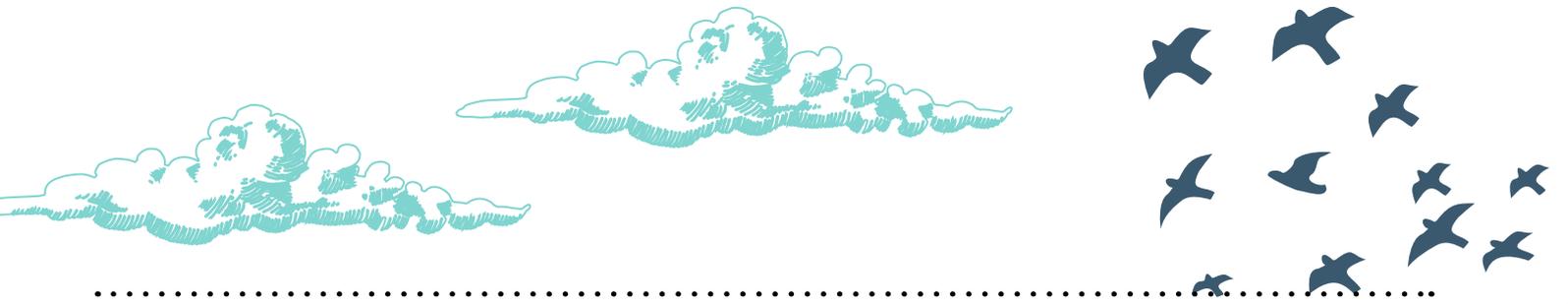
KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
TR4	Percentage of population within 400m of strategic cycle network.	% of population within 400m of strategic cycle network.	27% of people are within 400m of a strategic cycle route, with 53% within 400m of all routes, including existing routes.	30%	31/12/2021	61% by 2041
TR5	Number of sockets on public highway and in public car parks.	Number of additional electric vehicle charging sockets installed on public highway and in public car parks managed by the Council.	83 electric vehicle charging points were procured with installation commencing in 2020/21 and commissioning starting in Q1 of 2021/22.	250	31/12/2025	50 per year
BU1	Number of homes connected (note is repeated in the Energy section).	Total number of homes connected to the Energetik network at the end of the year.	Energetik's connection numbers as at 31 March 2021 – a total of 615 connections – were one year ahead of schedule.	4,000	31/12/2025	8,000 by 2030
BU2	% of Enfield managed Council homes with a current EPC (no more than 18 months old).	% of the Council's directly managed domestic dwellings with an EPC.	Awaiting data for FY 2020/21.	100%	31/12/2030	tbc
BU3	Minimum SAP score of Enfield managed homes of 86.	Average SAP score of the Council's directly managed domestic dwellings based on EPC ratings.	This indicator should align with the average EPC B target. Current average is 71.9 which is equivalent to EPC C.	86	31/12/2030	Needs to be defined with focus on increasing average SAP year on year.



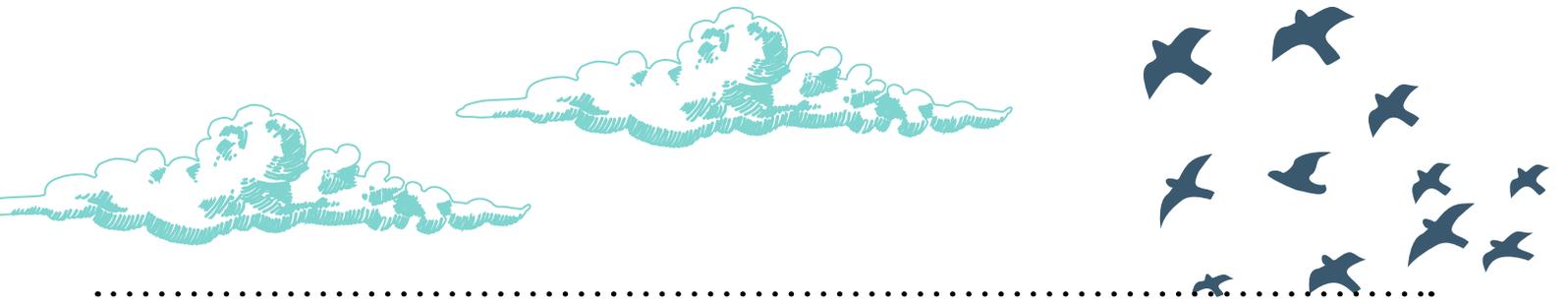
KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
BU4	Number of private rented properties improved to meet minimum standards.	Number of private rented properties that have an EPC rating of F or G.	1,252 private rented properties rated F or G were listed on the EPC register as at 31 /3/21.	0	31/21/2030	The baseline for 2018 was 1,372 properties.
BU5	Percentage of new builds with a post occupancy report - all Enfield's developments.	tbc	Progressed in 2020/21 with requirements for Post Occupancy Evaluation drafted to be included in new Enfield Housing Design Standards to be implemented for all developments. Now requires internal policy and process to implement.	10%	31/12/2022	Discrete annual performance
BU6	Percentage of new builds with a post occupancy report - all non-Enfield developments over 20 properties.	tbc	0% because the GLA adopted the New London Plan 2021 on 2nd March 2021, which includes a requirement for 'Be Seen' to be enforced for referable developments.  There are proposals for post occupancy reporting requirements for all major developments included in consultation version of Local Plan. Measurement of KPI to be reviewed in following years following implementation of 'Be Seen' policy.	5	31/12/2022	Discrete annual performance



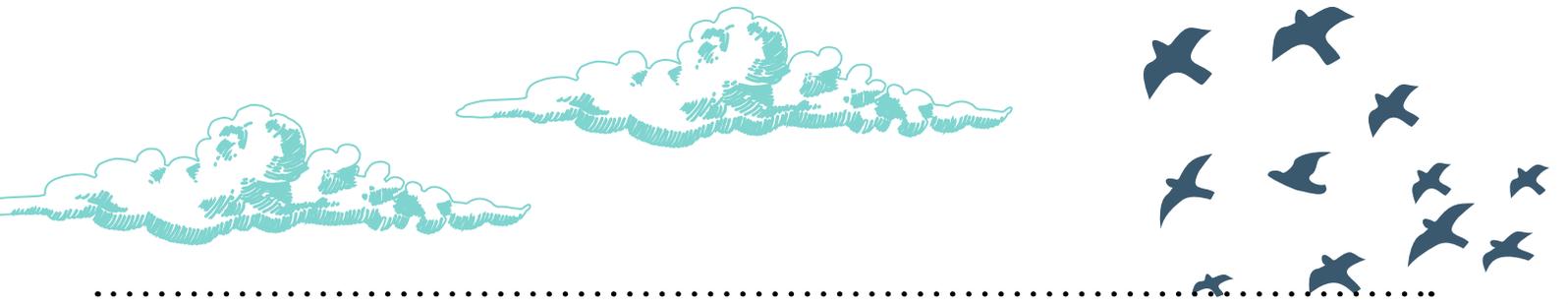
KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
BU7	Number of housing associations engaged on climate change.	It has not been possible to define a suitable KPI for this measure.	Upon review this measure is unsuitable as a KPI because it is an output without a clear definition or specific purpose. Therefore, work will be undertaken to look at an alternative.	-	31/12/2021	-
BU8	% of non-domestic new buildings meeting BREEAM Outstanding.	% of Council commercial developments classed as major applications which achieve BREEAM Outstanding.	This will be the aspiration for relevant projects as they come forward, although an initial review suggests that these will be limited in the near term.	100%	31/03/2021	Discrete annual performance
WA1	% kerbside waste which is recycled, reused or composted.	NI192 % of household waste sent for reuse, recycling or composting.	33% based on provisional figures.	37%	Discrete annual performance	As per existing targets
WA2	Total annual household residual waste collected per household.	NI191 Residual Waste Per Household (kg).	632 kg per household in 2019/20.	600 kg per household	Discrete annual performance	As per existing targets



KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
NA1	Yearly offset	Difference between total Scope 1 and 2 baseline emissions trajectory and actual emissions.	The trajectory is for the Council's direct emissions to reduce by around 7.3% per annum with an offset requirement of 585 tCO <sub>2</sub> e per annum or less as measured by cumulative performance against the baseline. This means that for 2020/21 there would need to be emissions of 18,709 tCO <sub>2</sub> e or lower to not require offset. Actual performance was 17,480 tCO <sub>2</sub> e so the offset target was met.	5,850 tCO <sub>2</sub> e	31/12/2030	5,850 per annum or less
NA2	New hectares of woodland established.	Hectares of new woodland planted.	The first phase of the Enfield Chase Restoration Project was completed. The total number of hectares planted will be assessed once the second phase is completed in winter 2020.	60	31/12/2022	As per programme
NA3	Number of trees planted.	Number of new trees planted.	50,000 new trees were planted as part of the Enfield Chase Restoration Project. There was also a net gain in street trees.	100,000	31/12/2021	As per programme
NA4	Increase in wetland schemes.	Number of schemes completed.	More than 2 schemes were completed so performance is ahead of the target of 12 by 2030.	12	31/12/2030	At least 1 per annum



KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
IN1	Percentage of Enfield Council homes passively engaged on climate change mitigation, adaptation and sustainability (through communications campaign).	% of households in Council directly managed homes in Enfield which have been contacted with climate action related communications.	All households were contacted as part of a waste and recycling campaign.	50%	31/12/2020	100% by 2021
IN2	Percentage of all households passively engaged on climate change mitigation, adaptation and sustainability (through communications campaign).	% of households in Enfield which have been contacted with climate action related communications.	All households were contacted as part of a waste and recycling campaign.	20%	31/12/2020	35% by 2021, 50% by 2022
IN3	Percentage of homes directly engaged through active measures (home visits, phone calls, third party visits).	It has not been possible to define a suitable KPI for this measure.	Upon review this KPI appears to be unmeasurable due to the multiple organisations which might contact residents about climate action. Therefore, work will be undertaken to look at an alternative.	-	-	-



KPI Ref	KPI Description	Definition of KPI	2020/21 Update	CAP Expected Performance	CAP Performance Date	Performance Trajectory
IN4	Number of local business members.	Number of businesses signed up to a business climate change partnership.	The focus for 2020/21 has been on supporting businesses through the Covid-19 pandemic. Work will be undertaken in 2021/22 to engage with businesses to understand what climate action support they need, including whether a business climate action partnership would be beneficial.	40	31/12/2022	80 by 2025

