



Basingstoke & Deane Climate Emergency Action Plan – 2021-22



This is the first update of Basingstoke and Deane Borough Council's Climate Emergency Action Plan since it was adopted, alongside the Climate Change and Air Quality Strategy, in March 2021. The key aims of this strategy are to be a net zero council by 2025, in our own operational emissions, and to be a net zero carbon borough by 2030.

This update sets out overall progress against these overarching aims, as well as specific actions set out in the Action Plan. It is also an opportunity to add new actions, where relevant, or add specificity to existing actions, where additional work has allowed this.

New actions, or changes in existing actions, including timeframes, are set out in red to highlight differences from the previous iteration of the plan.

It is also important to note that the first iteration of the Action Plan has been adopted and delivered during the COVID-19 pandemic. Council carbon emission performance for 20/21, the latest data, must be viewed in this context, as well as delays or challenges in delivering against some actions.

We expect to continue to add and develop actions throughout delivery against the high-level aspirations set out in the strategy.

Areas of focus for the Action Plan:

Our approach to tackling the Climate Emergency commitments, both for our council operations and borough-wide emissions, will be focused in 6 main categories:

- **Action by all** – the need for everyone in the borough to contribute
- **Buildings** – tackling emissions from heating and powering our buildings
- **Transport** – tackling emissions from vehicles
- **Zero carbon electricity** – supporting the transition to a decarbonised electricity system
- **Waste and Consumption** – reducing waste and consumption
- **The Natural Environment** – maximising the climate mitigation and adaptation qualities of the natural environment

Actions are categorised in these areas, as well as identifying if they address the target of the council being net zero by 2025, in our own operations, or achieving a net zero borough by 2030.

This sets out a planned timeframe of actions based on current evidence and plans, however, if short term opportunities are identified then these will also be implemented where possible. The council seeks to be as adaptable as possible in this fast-moving area, and it is recognised that more detailed work on specific actions will allow the inclusion of targets for completion.

We need your help!

This is a council action plan and we are committed to doing all we can to tackle the Climate Emergency. However, we cannot do this alone.

Success in achieving our aspirations, particularly of a net zero borough by 2030, is contingent on the support and action of others within the borough. A number of actions set out here are looking to enable and inspire this corporate action.

Emissions progress / carbon footprint

As set out in the Climate Change and Air Quality Strategy, 2018/19 was set out as our baseline year on which to measure emissions reductions, as data from this year was used in development of the Climate Change and Air Quality Strategy. Since then, significant progress has already been made to reduce the council's operational footprint. This update to the Action Plan provides a summary of progress since the strategy was prepared and highlights what steps have been taken to reduce emissions. It goes on to detail progress on other identified actions and includes new actions that have been added since first preparation.

In October 2020 the Council began procuring renewable electricity and part green gas for our energy supplies. Our leisure facility contractor, Serco, also procures renewable energy, and did so during the 19/20 reporting year. As such the council has decided to follow best practice and dual-report emissions using Location-based and Market-based emissions:

Location-based emissions = reflects emissions based on the average carbon intensity of the national electricity grid. This means emissions are directly correlated to energy consumption.

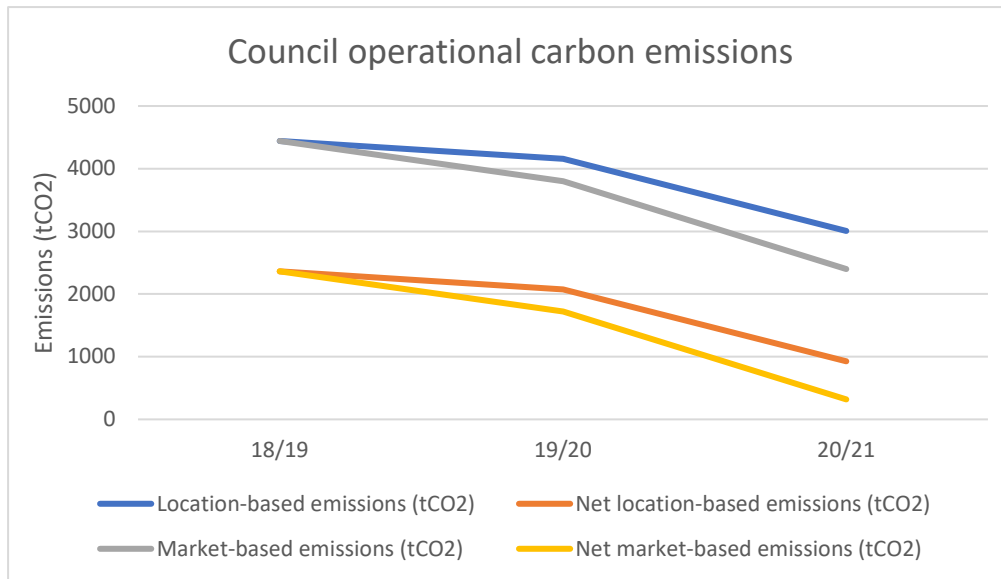
Market-based emissions = reflects emissions from electricity that companies have purposefully chosen through contractual instruments (i.e. the procurement of renewable energy)

For Basingstoke and Deane Borough Council this means, for the latter half of 20/21 following commencement of our new energy contract, our electricity consumption has no carbon emissions in market-based reporting.

	18/19	19/20	20/21
Location-based emissions (tCO₂)	4,442	4,156	3,006.5
Carbon absorption from green spaces¹ (tCO₂)	-2,080	-2,080	-2,080
Net location-based carbon footprint (tCO₂)	2,362	2,076	926.5

	18/19	19/20	20/21
Market-based emissions (tCO₂)	4,442	3,799	2,398.6
Carbon absorption from green spaces¹ (tCO₂)	-2,080	-2,080	-2,080
Net market-based carbon footprint (tCO₂)	2,362	1,719	318.6

¹ This figure is based on high-level analysis undertaken for the baseline year of 18/19. Work is underway to update this work and provide additional granularity, as well as shape future decision-making, however, given there have not been significant changes to the council green spaces since the initial estimate, this figure has been used again.



This data shows an absolute reduction in energy and fuel consumption, and so subsequent reduction in carbon emissions, compared to the baseline year of 18/19 and also 19/20, but also shows a further reduction in carbon footprint as a result of the new energy tariff.

Progress against specific actions are outlined below, however, key interventions that have had a material impact include:

- LED lighting upgrades in staff car park
- New energy tariff
- Reduced building energy use due to building closures as a result of COVID-19
- Reduced operational fleet mileage and staff mileage

Other actions which have also been introduced, but which are not possible to record include:

- The introduction of climate change e-learning which has now been completed by 70% of staff
- New procurement standards and guidance, to include sustainability as part of quotation requests

Borough-wide emissions

Borough-wide emissions are based on government data, with the latest available data covering up to 2019.² This represents the period up to the council's Climate Emergency declaration, so does not yet factor in any actions undertaken in this action plan, or even the impacts of COVID-19. For that reason, many of the actions below have separate measures of success, as well as an element of modelling on potential carbon reduction.

Total emissions in the borough have seen a small reduction from 999,000 tCO₂ to 944,500 tCO₂, a modest reduction of 5.5%.

Subset data

Government also provide data estimates of emissions that are within the scope of influence of Local Authorities. This excludes motorways, railways, land use and very large industrial sites. In particular, that majority of emissions from the M3 are from journeys through the borough of Basingstoke and Deane, which the council has limited or no ability to influence, rather than journeys by local residents. Discounting these emissions allows us to better focus our efforts on emissions where we have more influence, and so we propose to utilise this dataset moving forward.

Re-baselining data from 2018 shows 'subset' CO₂ emissions in the borough at **876,800 tCO₂**.

Subset emissions for 2019 were **837,600 tCO₂** a reduction of **4.8%**.

Transport remains the largest proportion of emissions in both datasets, with residential and industrial & commercial emissions broadly equal.

² [UK local authority and regional carbon dioxide emissions national statistics: 2005 to 2019 - GOV.UK \(www.gov.uk\)](https://www.gov.uk)

1. Action by All:

Action number	Action	Council emissions	Borough-wide emissions	Emissions reduction	Indicative cost	Timescale	KPI/ measure of progress	21/22 Update
1.1	Develop new e-learning module for all council staff to increase awareness of climate change and personal actions to address, both at work and in home life	✓		Low	None	Complete	Completed courses Tracking staff commitments	Course completed and rolled out in Jan 2021. Completed by nearly 70% of staff. This training will also be highlighted in training material for new (and existing) councillors.
1.2	Climate change impact included in report templates, to embed in decision-making criteria	✓		Variable	None	Complete	Decisions with positive impact CO ₂ savings, where available	Climate change implications now considered in all decision reports. Positive changes have been introduced in over 20 cases as a result of review of documents by the climate change team.
1.3	Review and update internal staff policies to enable and promote sustainable working choices	✓		Low	None	Review of key policies related to SWOW underway	Reduction in 'grey fleet' or business mileage	Smarter Ways of Working (SWOW) programme is facilitating a more flexible approach to working and is expected to reduce need for some business travel. Due to come into full effect for end of 2021. Over the last 18 months, as a result of the COVID

								<p>pandemic, the SWoW programme has enabled the council to conduct thousands of virtual meetings with colleagues, external organisations and customers, significantly reducing the need for business travel during this period.</p> <p>As the country moves into the recovery phase of the pandemic the review of key policies will seek to focus on flexible working arrangements and, as part of that, how virtual meetings will be part of the council's ways of working moving forward.</p> <p>Review of key policies related to SWOW is currently underway and expected to conclude in 2022.</p>
1.4	Support for existing Low Carbon Energy Group, made up of local experts, to challenge and support the council and the wider	✓	✓	Enabler	Low	Ongoing	Number of meetings held	<p>New chair appointed mid-2020. 6 meetings subsequently, with more proposed. Meetings have supported development of policies</p>

	borough to carbon neutrality							for the Local Plan Update so far.
1.5	Support local residents and communities, including town and parish councils, to take local Climate Emergency action, including provision of a toolkit to help plan and deliver local action and promotion of 'The Greening Campaign'		✓	Variable 40 – 200 tCO _{2e} per community	Low	First communities signed up by Q4 2020	No. of town/parish councils with Climate Emergency No. of events or campaigns supported CO ₂ savings per community	<p>2 parishes currently undertaking the 'Greening Campaign'. Estimated savings of tCO₂ not yet determined.</p> <p>At least five other community or town/parish council groups have declared a climate emergency and/or set up specific environmental groups.</p> <p>The council is currently developing additional detailed toolkit for towns/parishes, community groups and residents on action they can take, which is expected to launch in November 2021.</p> <p>Existing toolkit by Sustainable Overton on how to set up town/parish action groups supported by council and promoted throughout the borough.</p>

1.6	Update council climate change web pages to provide relevant local information and capture ideas from residents		✓	Low	Low	Q1 2021	New page live Tracking actions/ideas received	To be covered as part of the more detailed toolkit, above.
1.7	Investigate broader engagement and behavioural change methods for residents to take action throughout the borough		✓	Medium	Medium	Q1-Q2 2022	Actions included in next Action Plan	New role being recruited to focus on this aspect – expected in post by end 2021 / early 2022. As such, this area will be developed in earnest from 2022 onwards.
1.8	Convene summit for local businesses to understand issues and support development of their own actions		✓	Neutral	Low	TBC	Summit held. No of businesses in attendance and that make their own commitments	Challenges around holding summit due to COVID-19, as well as engaging with businesses more generally. The council continues to financially support and promote the North Hampshire Sustainable Business Network (SBN) which meets c. quarterly. Online meetings have been better attended than in person sessions and allow those that missed it to catch up on recordings. As such, this format will continue, with occasionally in person events.

									New 'Clean Growth' role created as part of Economic Recovery Strategy, with key involvement in this area moving forward. Will champion economic opportunity as a result of achieving net zero. Further actions expected in next action plan.
1.9	Work with other business reps (e.g. FSB, BID, Chamber of Commerce, LEP) to develop net zero group for businesses for mutual challenge and support		✓	Enabler	Low	TBC	No. of businesses involved Proportion of businesses represented	COVID-19 has had a significant impact on local businesses, with many diverting all attention and priority to dealing with the impacts of restrictions. As such, this action has been delayed. As above, the council continues to support and promote the SBN, which is particularly catered to SMEs. The group provides support and challenge to attendees.	
1.10	Lobbying other organisations, including government, to work at pace to deliver reductions in emissions, including		✓	Medium	Low	Commenced and on-going	Log of consultation responses made referring	Council has responded to 5 consultations referencing climate change and need for additional action, where	

	through consultation responses						to climate change	<p>this was relevant, covering topics such as funding bids, buses and planning policy.</p> <p>Engaging with HCC as part of Hampshire Climate Change Officers Group and other engagement to support further activity, for example, in onstreet EV charging (see Action 3.12) and planning for residential retrofit projects.</p>
1.11	Promotion and delivery of Low Carbon across the South East (LoCASE) project – a scheme providing grant funding to SMEs to improve energy efficiency, reduce carbon, grow their low carbon business and develop innovative low carbon products or services.		✓	Low	Low	Q3 2021 – Q2 2023	Businesses supported. Modelled carbon reduction	New Action. Scheme launched in September 2021 and running until June 2023

2. Buildings:

Action number	Action	Council emissions	Borough-wide emissions	Emissions reduction	Indicative Cost	Timescale	KPI/ measure of progress	21/22 Update
2.1	Procuring renewable energy (electricity and green gas) through our existing LASER framework for the new contract, to power and heat our operational buildings, for which we are responsible for utility contracts	✓		High 700 tCO ₂ e for electricity	Low uplift	Complete	Commencement of new supply contract CO ₂ reduction	Contract commenced 1 October 2020. Over 320 tCO ₂ reduction based on market-based emissions reporting based on only 6 months.
2.2	Work with contract provider to cost and explore powering leisure facilities using renewable energy	✓		High 300 tCO ₂ e for electricity	TBC	Q1 2021 – 2023	Agreement reached Measured CO ₂ reduction	Contract provider procures REGO-backed renewable energy for leisure supply contract. 260 tCO ₂ saving this year based on market-based emissions reporting. Wider audits as part of Action 2.5.
2.3	Ensure office and council operational buildings are used as efficiently as possible, and fit for the future as we work more flexibly	✓		Medium Estimated at c. 180tCO ₂ e	TBC	Q4 2021	Office energy consumption Office occupancy	COVID-19 has resulted in fundamental changes to the way the council has operated and office occupation over 20/21. Moving forward office consolidation into one main building is expected to be complete by the end of 2021,

								resulting in on-going savings through more efficient use of our building space.
2.4	Undertake review of possible energy efficiency and reduction measures on council campus	✓		Enabler	TBC	TBC	Audit undertaken	Primary office building has been refurbished according to industry best practice (SKA). However, further audit yet to be undertaken during refurbishment. Will be included as part action 2.5 below.
2.5	Undertake audit of other council operational buildings to determine options to reduce energy consumption	✓		Enabler	TBC	2022	Audits undertaken	Audits/review of council operation property planned for during 2022, based on priority order determined. This will set out a desired programme of works moving forward.
2.7	Install LED lighting in Eastlands council car park (as demo project for wider rollout)	✓		Medium c. 28.5 tCO _{2e} per year	£100k	By Q2 2021	Reduced electricity consumption and CO ₂	Work completed in early 2021 with handover in March 2021. Modelled savings of 90% compared to previous baseline, although this is with the staff car park getting minimum use. c.19 tCO ₂ savings realised over 10 months.
2.8	Work with development partners to ensure new council building development to be as energy efficient as a possible	✓	✓	High	High	Ongoing	Energy efficiency ratings of new developments	The council is currently working on a new strategy and masterplan for the future of Basingstoke Town Centre. Input has already been provided into these initial high-level vision documents. Further consideration will be needed as detailed work progresses.

2.9	To include climate change mitigation and adaptation as a central theme within the Local Plan Update, being as aspirational as possible for the built environment, both domestic and non-domestic, within national planning framework		✓	Enabler - High	None	2020 – 2024	Local Plan Issues and Options consultation. Policy development with Local Plan MAP – meetings held	Issues and Options consultation ran from Sep - Nov 2020, including climate change as key aspect, highlighting general support for high standards, as reported to EPH committee in March 2021. Work ongoing on evidence base for strong climate change policies. Being discussed at joint Local Plan and Climate Emergency MAP in Autumn 2021. Draft policy content also discussed with Low Carbon Energy Forum and planned discussion with Basingstoke Transition Network for input
2.10	Use of Development Management service to improve energy efficiency and consider climate change in advance of updated planning guidance		✓	Low	Low	Commenced and on-going	Inclusion of informative on planning permissions granted and advice at pre-app stage	Current applications are required to meet the requirements in the existing Local Plan, however, additional measures are being investigated. Wherever the council has an opportunity to exert influence then higher standards are being sought
2.11	Promoting and encouraging implementation of the 'Manydown Standard' within the Manydown		✓	High	High	2023 onwards	Adoption of high standards ahead of detailed planning application	Following the resolution to grant the outline planning application for northern Manydown, the Manydown Development partnership, of which the council is a part, continues to work to

	development partnership to ensure new homes at Manydown North are well-built and designed to achieve high environmental standards including energy and water saving							ensure sustainability remains at the heart of proposals. Master developers Urban&Civic are the Development Manager leading on operational delivery and community engagement and all parties are anticipating the planning permission will be issued Autumn 2021, following which, more detailed sitewide design will progress.
2.12	Develop plan to support private landlords in meeting Minimum Energy Efficiency Standards (MEES). Appropriate enforcement action utilised where required		✓	Medium	Low	Q2 2021	Plan developed. Ongoing monitoring of non-domestic EPC improvements	Grants available (see below) also available to landlords to improve the energy efficiency of their properties. We are working with the Environment Centre, a local not-for-profit organisation, as part of the 'Raising Standards for Tenants' project
2.13	Promote and support existing energy efficiency improvement programmes e.g. ECO and local loan & grant programme		✓	Medium	Low	Q4 2020	No. of ECO installations and estimated CO ₂ reductions No. of Loan/grants provided	Provision of council energy efficiency loans and grants has continued with 3 new grants issues during 2021. However, given new grant opportunities (see below) that are slightly more attractive, interest in these has slightly declined. Focus has moved to promoting newer schemes initially, with the existing schemes such as ECO

								and council loans/grants being utilised to 'plug the gaps'.
2.14	Support delivery of the new government Green Homes Grant (GHG) within the borough including promotion via available channels		✓	Medium	Low	Q4 2020	No. of GHG vouchers provided within borough (if available)	<p>Original GHG voucher scheme promoted. 146 measures installed to date in the borough under the voucher scheme. Details of measures installed are not available, but over the whole scheme, 72% of measures were insulation, such as loft or pitched roof insulation, and 24% were low carbon heating. The voucher scheme was withdrawn by government in March 2021.</p> <p>Separately, the council joined a successful consortium to deliver the separate GHG Local Authority Delivery (LAD) scheme, lead by Portsmouth City Council. This has been extended to run until 30 March 2022 and provides grant funding to low income households living in the least efficient properties. So far 17 installations have been completed, with 6 more pending installation and 15 on waitlist. Estimated savings from measures installed to date are up to 17 tCO₂ per year.</p>

								This specifically targets low income households in the least efficient properties so also works to tackle fuel poverty within the borough.
2.15	To support consortia bid for 'Sustainable Warmth', the latest round of Green Homes Grant funding. If successful, to promote within the borough and maximise reach among our residents		✓	Medium	Low	Q1 2022 – Q1 2023	No. of installations within the borough	New action for 21/22. If successful, scheme will run from Jan 2022 – March 2023. The scheme will build on LAD scheme above by providing grant funding to low income households, with distinct funding for households on and off the gas network.
2.16	Develop further strategy for retrofit of domestic and commercial properties to reduce energy demand		✓	High	TBC	Q4 2022		The council has been awaiting the publication of the government 'Heat and Buildings Strategy' before developing a local approach. The Strategy is expected to be published in Autumn 2021, which will inform a local plan to maximise the national strategy during 2022 and beyond.
2.17	Promote and support rollout of low carbon heating, including investigating zero carbon hydrogen possibilities.		✓	High	TBC	Ongoing Further actions developed in 2021	No. of RHI installations in borough Uptake of other grant schemes	Low Carbon heating has been promoted as part of the GHG voucher and GHG LAD schemes above. Additionally, new resident/community toolkit (Action 1.5) will provide further

								<p>information on options for low carbon heating.</p> <p>Currently (to July 2021) 396 installations in the borough registered under the domestic Renewable Heat Incentive (RHI), an increase of nearly 10% compared to the same time last year.</p> <p>There were also two new installations under the non-domestic RHI, although this scheme has now closed.</p>
2.18	Work with Housing Associations to improve social housing stock		✓	Medium	Medium	TBC	<p>No. of HA retrofit installations. EPC ratings of social housing</p>	<p>Climate change team are engaged with Vivid and Sovereign in particular, as two largest HAs in the borough. Both have representation on the Low Carbon Energy Forum (see Action 1.4), as well as being engaged specifically on GHG LAD schemes, and the Social Housing Decarbonisation Fund.</p> <p>Additionally, the team have attended Housing Priority Action Groups and Registered Provider Liaison meetings to discuss the council's climate change aspirations and work that HAs are doing to tackle this themselves, particularly if they're going above national</p>

								<p>minimum requirements, or challenge for further action.</p> <p>Finally, the council are working closely with Housing Association partners on redevelopment projects where applicable.</p>
2.19	Develop strategy for improving energy efficiency of buildings that council leases out		✓	Medium	TBC	TBC	Strategy developed EPCs and DEC's used to measure improvements	This action will be progressed in future.

3. Transport:

Action number	Action	Council emissions	Borough-wide emissions	Emissions reduction	Cost	Timescale	KPI/ measure of progress	21/22 Update
3.1	Undertake phased electrification of council fleet vehicles, when vehicles reach end of life and suitable ultra-low emissions alternative exists, including the trialling of new vehicles.	✓		Medium Up to 250tCO _{2e} + NO ₂ and PM	c.£1m for current alternatives	Ongoing	Proportion of electric fleet Reduction in fuel use & associated CO _{2e} emissions	<p>Two electric vehicles were introduced to the council's fleet, used by the Civic Enforcement Officers. These vehicles are expected to save 2-3 tCO_{2e} per year</p> <p>Trials of several other different vehicle types undertaken to date, including 3.5t tipper vehicles, sweeper vehicles and small and medium-size vans.</p> <p>Current tipper vehicle available on the market is not suitable for council operations due to limited functionality, however, the council continues to monitor the market for new offerings, in order to trial these when available with annual reviews linked to the capital purchase programme.</p> <p>Other vehicles have been identified as potentially suitable. Replacement schedule of vehicles dependent on the existing lifespan so electric replacements will be scheduled when existing vehicles are due for replacement over the next few years.</p>

								The council is still awaiting suitable low carbon alternatives for a number of vehicle types including larger vans, road sweepers, tippers, mowers and tractors.
3.2	Increase chargepoints available on council sites for operational vehicles and staff, particularly required to enable electrification of operational vehicles	✓		Enabler	Up to £140k, depending on number installed	Ongoing	No. of council chargepoints installed Chargepoint utilisation	Chargepoints are available at the council Operational depot at Wade Road and at the Council campus for staff. Depot chargepoint has been used primarily for trial vehicles to date (as set out above), but is in place in preparation for future vehicles. 9 current users of council car park chargepoints. This has more than doubled since 2019.
3.3	Review HR policies to consider reduction in staff travel and promotion of ultra-low emission vehicles being used wherever possible	✓		Low Carbon, NO ₂ and PM	None	Mid 2022	Reduction in 'grey fleet' mileage No. of staff with EVs	The council will be undertaking a wider review on policies that incorporates incentives for car ownership and staff travel on council business. This work is progressing as part of a wider pay and benefits review, into 2022.
3.4	Survey staff commuting and update staff travel plan, including increase in flexible working	✓	✓	Low Carbon, NO ₂ and PM	None	Q4 2021 – Q2 2022	Reduction in commuting miles	Advice is to be included on sustainable travel in guidance to be provided on returning to working on the campus. It is proposed to undertake staff travel planning to help staff to travel sustainably.
3.5	Work with waste services provider to increase efficiency throughout contract and continue to	✓		High	TBC	Ongoing	Waste fleet mileage/fuel consumption and associated CO ₂ emissions	Emissions from the waste contract vehicles saw a reduction in 20/21 compared to 19/20 of 107 tCO _{2e} , a reduction of just over 9%.

	reduce emissions where possible							This was in the context of changes to collection arrangements during COVID-19 and it is not yet possible to determine the impacts of other changes. However, our waste collection contractor remain committed to emissions reductions throughout the contract.
3.6	Development of a Mass Rapid Transit network as a strategic public transport route		✓	High	High	By 2030. Blueprint to be complete by late 2021	Completion of blueprint	HCC are leading on work to progress on the development of MRT routes in the town as a part of their Bus Service Improvement Plan, to be submitted to the Government by 31 October 2021. This will highlight areas of focus for the MRT and start to detail the type of service that could be expected. The focus for this is on the A30 corridor, Chineham and Manydown North
3.7	Undertake study of walking and cycling alongside HCC and their Local Cycling and Walking Infrastructure Plan, currently in development, in order to provide for and promote active transport.		✓	Medium	Medium and dependent on schemes identified	Study to be complete by Q3 2022	LCWIP in place Increased prevalence in walking/cycling	<p>Work is ongoing with HCC to develop the Local Cycling and Walking Infrastructure Plan.</p> <p>Three workshops have already been held with HCC and their partner, Sustrans, with staff and members to identify existing barriers to walking and cycling, identify potential key routes and 'core walking zones'.</p> <p>HCC and Sustrans are now prioritising routes for initial focus with a second round of workshops scheduled for September to outline progress and next steps. A draft LCWIP is expected in early</p>

								2022, with a view to adoption later in summer.
3.8	Work with Stagecoach/public transport providers to electrify fleet – work to secure inward investment/funding		✓	Low	High	TBC	No. of electric buses in use in borough	As Stagecoach replaced much of their fleet in December 2019 with more efficient diesel models with new technology, this is not expected to progress at present. It should be noted that the new buses (32 N ^o) feature the latest Euro VI stop/start engine technology to deliver an 80% reduction in NOx and 50% reduction in particulates compared to the buses they are replacing. However, Stagecoach continue evaluation of their electric vehicle operation in Guildford.
3.9	Review parking provision and rates, in order to promote lower emission vehicles into the town centre over more polluting vehicles		✓	Low	Low	TBC	Parking strategy work being undertaken as a part of work on Central Basingstoke	A Parking Strategy is being prepared to support the Town Centre Masterplanning. This is expected to be produced in early 2022.
3.10	Investigate mobility options within the town centre, such as e-scooters and bike hire		✓	Low	Low	Initial study by Q4 2021	Decision made on suitability No. available / usage	A study is underway with HCC, the LEP and the University of Southampton to deliver improved mobility solutions through new technology. The focus of this includes the provision of bike hire / pool bikes (including electric bikes) involving companies at Chineham Business Park and the hospital)

3.11	Review taxi and private hire vehicle licensing to consider zero emission capable vehicles only		✓	Medium	Low	TBC	No. of zero emission capable taxis/private hire vehicles licensed in borough	<p>Low/zero emission taxis ('Hackney Carriage') can currently get licenses without charge.</p> <p>Feedback is being sought from licensed taxi operators and private hire operators to understand barriers and concerns for them switching to electric or other zero carbon emission vehicles.</p>
3.12	Continue to rollout public EV chargepoints and encourage private sector rollout in other destinations		✓	Enabler	Medium	Ongoing. Feathers Yard 'hub' now complete	<p>No. of public EV chargepoints in borough</p> <p>No. of EVs registered in borough</p>	<p>Feather's Yard EV charging hub was completed at the end of 2020 and is the first Local Authority owned, dedicated charging hub in Hampshire.</p> <p>Since then, two further 'twin' chargepoints have been installed in Whitchurch and another twin chargepoint in Overton.</p> <p>Further chargepoints are being scoped within Basingstoke and in rural areas within the borough, with the aim to provide ample coverage for all.</p> <p>A new action, 3.16, has been inserted for the creation of an EV charging plan, that will set our approach moving forward in more detail. Close working with HCC will be required to deliver on-street chargers and a survey of users / residents has been undertaken to identify areas of high demand.</p>

3.13	Develop plan to educate and promote switch to electric vehicles, for both private users and commercial fleets, including electric vehicle event in the town centre		✓	Medium	Low	Q3 2021	No. of EVs registered in borough	<p>Promotional events have been hampered by COVID-19. Toolkit (Action 1.5) to be launched imminently and provides further information to residents on switching to EVs.</p> <p>Event was run for council staff to educate and promote shift for their own vehicles, in combination with Energy Saving Trust.</p> <p>Latest government data shows that there were 1,001 ultra-low emission vehicles (ULEVs) licensed in Basingstoke and Deane by the end of March 2021. This compared to 688 at the end of March 2020, an increase of 45%.</p> <p>Of these, 571 were battery electric vehicles, compared to 378 in March 2020, and increase of 51%.</p>
3.14	Work with infrastructure providers and business community to facilitate wider shift to more flexible working and reduced road commuting.		✓	Medium	Low	Ongoing	Monitoring traffic flows in borough	Traffic flows in the borough were significantly reduced over 20/21, however, this was in the context of lockdowns due to COVID-19.

3.15	Running an anti-idling campaign to tackle the issue of engine idling. Will focus on education and prevention, but will also use enforcement powers as necessary.		✓	Low	Low	TBC	No. of Fixed Penalty Notices issued	<p>Anti-idling messaging has continued to be promoted by the council, following a specific launch in March 2020, however, a specific campaign was delayed due to COVID-19. Clean Air Basingstoke campaign was hampered, particularly with the usual focus on school engagement not being possible during the COVID-19 restrictions. This was a national issue with the National Clean Air Day also being cancelled.</p> <p>Clear Air Day Basingstoke is scheduled again for Winter 2021</p> <p>The council does have enforcement powers to crack down on illegal vehicle idling, however, these powers have not yet needed to be used as drivers have responded to encouragement.</p>
3.16	Develop EV charging plan, with initial focus on Basingstoke town but to then expand to wider borough		✓	Enabler	Low	Summer 2022	Plan in place	New action. This plan will provide additional strategic context for Actions 3.2 and 3.12.

4. Zero carbon electricity:

Action number	Action	Council emissions	Borough-wide emissions	Emissions reduction	Indicative Cost	Timescale	KPI/ measure of progress	21/22 Update
4.1	Switch to renewable electricity as part of energy supply contract, for our operational buildings	✓		High 700 tCO _{2e}	Low uplift	Complete	CO ₂ reduction in annual reporting	Contract commenced 1 October 2021. 320 tCO ₂ reduction based on market-based emissions reporting
4.2	Review suitability of council buildings/land for installation of renewable electricity generation	✓		High	Minimal cost to review – projects would need to be scoped subsequently	By late 2022	No. of sites identified Installed renewable capacity	Review on renewable potential will be included as part of audits outlined in Actions 2.4 and 2.5. Subsequent wider studies TBC.
4.3	Engage with strategic infrastructure providers National Grid and SSE Networks to ensure borough is supporting national decarbonisation efforts and has sufficient capacity and investment for shift to low carbon electricity and electrification of heat and transport.		✓	Enabler	None	Ongoing		This action is ongoing, however, the council has specifically engaged with SSEN as part of the process in developing plans for 'RIIO-2' – the regime that sets funding and business plans for the companies that own the local electricity distribution networks.
4.4	Investigate potential to participate in energy innovation schemes as part of transition to		✓	TBC	TBC	Ongoing	Participation /involvement in schemes	No local opportunities identified at this stage, however, will continue to scan for opportunities.

	smarter more flexible energy system							
4.5	Promote local and community energy projects where applicable, including development of toolkit and guidance		✓	Medium	Low	Toolkit developed by Q2 2021	No. of community energy groups No./capacity of installations	<p>Worked closely with Hampshire County Council to promote the 'Solar Together' group-buying scheme in the borough. This gave residents access to a good deal for solar PV installation, from a trusted council partner.</p> <p>There were 850 registrations in the borough, with 148 going on to accept their offers. The majority of these are expected to proceed to installation. Further details on final numbers and carbon savings will be provided at the next update.</p> <p>Support given to Sustainable Overton to develop toolkit for community energy. This has been promoted to town and parish councils in particular, as well as Community Energy South.</p> <p>Hampshire County Council have subsequently partnered with Community Energy South, Sustainable Overton are part of this.</p>

4.6	Enable renewable energy generation through policies in the Local Plan Update		✓	Enabler	None	2020-2023	Total installed renewable capacity % of demand met by renewables	<p>Draft policies for the Local Plan Update still under development but work to understand renewable energy potential has been included as part of evidence base, including a 'Call for 'green' sites' conducted during June and early July.</p> <p>Being discussed at joint Local Plan and Climate Emergency MAP in Autumn 2021. Draft policy content also discussed with Low Carbon Energy Forum and planned with Basingstoke Transition Network for input.</p>
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5. Waste and consumption:

Action number	Action	Council emissions	Borough-wide emissions	Emissions reduction	Indicative Cost	Timescale	KPI/ measure of progress	21/22 Update
5.1	Review and update Procurement Strategy and processes to consider whole life carbon footprint of goods and reduce this in our procurement decisions	✓		High	TBC	TBC	Updated strategy Reduction in Scope 3 emissions	Procurement and Contracts Review currently underway, with consideration being given on to how to better embed tackling climate change within council procurement processes.
5.2	Provide internal training on sustainable procurement to embed the above	✓		Low	None	Ongoing	Tracking climate change/carbon footprint as inclusion in tenders	Guidance has been provided to all managers about the inclusion of climate change and sustainability with quotation requests, within the current procurement requirements.
5.3	Reduce paper consumption, going paper-free for members.	✓		Low	None	Q2 2021	Paper purchasing rates	COVID-19 restrictions and limited office occupation rates have dramatically reduced paper consumption, among that of other resources. Policies, training and induction for use of office as staff return is set to ensure paper consumption remains low. This will continue to be monitored to check this remains the case after a period of staff occupation.

5.4	Eliminate single-use plastics in council vending machines	✓		Low	Low	Q1 2021	Zero single-use plastics present	Delayed as a result of lack of occupation of offices during 20/21.
5.5	Undertake estimate/analysis of Scope 3 emissions from council activities	✓		Enabler	Low	By Q2 2022	Scope 3 emissions included in next council carbon footprint and action plan	This work has not yet been undertaken, however, specific study on Scope 3 emissions, is expected to be commissioned for early 2022.
5.6	Work with Hampshire County Council to reduce waste generation and increase recycling rates through education programmes		✓	High	TBC	Ongoing	Waste tonnage rates Recycling tonnage rates	This will be progressed in partnership team with the waste and recycling team, with some support from the climate change team as new resource is recruited. Future action in this area will also be dependent on the outcome of government's consultation on a new Resources and Waste Strategy, which could have far-reaching impacts on waste generation and recycling provision locally and nationally.
5.7	Work with HCC to tackle food waste, including education programmes such as Love Food, Hate Waste, alongside consideration of food waste collection		✓	High	TBC	Ongoing	Food waste reduction, where measurable	This will be progressed in partnership team with the waste and recycling team, with some support from the climate change team as new resource is recruited. Future action in this area will also be dependent on the outcome of government's consultation on a new Resources and Waste Strategy, which could have far-

								reaching impacts on waste generation and recycling provision locally and nationally
5.8	Promote 'buy local' to reduce goods mileage and support local businesses, including via a local e-commerce platform		✓	Low	Low	TBC 'Borough Basket' website now operational	Traffic and purchases via local e-commerce platform	<p>The 'Borough Basket' e-commerce and local shop listing platform was successfully launched in November 2020, co-ordinated by the council's economic development team, which supports small and independent local businesses.</p> <p>53 local businesses and joined the initiative and the website has an average of 300 users, although only a few businesses are using the full e-commerce capability, as most have their own online facilities.</p> <p>Continue to promote this through LOVE Basingstoke pages, particularly as COVID-19 restrictions lift. This has also included the launch of the first Borough Basket Street Market in July 2021, providing a platform for local small businesses. The second market was held in August and it is now scheduled to happen monthly.</p>

5.9	Support for refill and repair shops to reduce single-use waste		✓	Low	TBC	TBC	No. of available shops/facilities	3 shops known about in the borough, with this regularly increasing.
5.10	Investigate how to develop estimates for carbon footprint of residents' diets, to shape education on lower carbon lifestyle		✓	Enabler	TBC	2022	Future inclusion of diet emissions within footprint and actions to address	The council has identified a couple of tools that provide estimates/modelling of carbon emissions from 'consumption', including food and other goods. These will be further scrutinised and included in future updates.

6. The Natural environment:

Action number	Action	Council emissions	Borough-wide emissions	Emissions reduction	Indicative Cost	Timescale	KPI/ measure of progress	21/22 Update
6.1	Continue to effectively manage existing council-owned green spaces and natural environment	✓		High c. 2000 tCO _{2e} per year	Existing	Ongoing	Area of owned/managed green space. Habitat types Carbon sequestration values	Green space within the borough have held particular importance over the COVID-19 pandemic and have continued to be effectively managed. Initiatives have been trialled such as a Biodiversity Improvement Zone and other reduced mowing regimes to test carbon benefits, alongside other benefits, such as increased biodiversity.
6.2	Improve accuracy of data on council green space ownership and use this to refine calculations for carbon absorption rates	✓		Enabler	TBC	Q1 2022	Data granularity	Study was delayed, however, is in the process of being procured to be undertaken over winter 2021/22.
6.3	Identify suitable green spaces and enhance management to improve carbon lock up, whether through change in management	✓		Medium	TBC	Ongoing	Habitat types & quality Changes in carbon absorption rate	Linked to the same study as action 6.2, which will determine the best interventions for the council's various habitat types, and prevent us undertaking any potentially damaging or ineffective changes.

	approach or conversion in use							
6.4	Work with suppliers and contract providers to utilise local, natural offset as a last resort after carbon reduction, in support of procurement practices	✓	✓	Variable	None	TBC – in tandem with procurement strategy	Tracking carbon footprint of suppliers – reduced Scope 3 emissions	Will be progressed alongside Action 5.1
6.5	Local Plan Update to include strong policies to maintain, preserve and enhance trees, hedgerows and green space across the borough		✓	Enabler - High	None	2020-2023	Total natural coverage and habitat types in the borough	As per actions 2.9 and 4.6, linked to long-term update to Local Plan. Issues and Options consultation ran from Sep - Nov 2020, including biodiversity and environment as key aspect, alongside climate change. Draft policies currently under development.
6.6	Work with our local land owners to investigate and establish a community / regional authentic offset programme which businesses and communities can be a part of. Creating a mix of new commercial and community resource woodlands and		✓	High	TBC	Complete investigation by Q4 2021	Programme in place Reduced net emissions for the borough	Currently delayed as will follow completion of Action 6.2 & 6.3. Some initial investigation on potential undertaken as part of 'Call for 'green' sites' conducted during June and early July for the Local Plan Update

	green spaces across the borough. Also utilise proposition to tackle nitrates issue, affecting development in the borough							
6.7	Develop more robust resilience/adaptation plan, maximising the benefits of the natural environment in this area	✓	✓	None	TBC	2022	Plan in place	<p>Climate Change Study undertaken as part of evidence base for Local Plan Update includes analysis of risks and predicted changes as a result of climate change within Basingstoke and Deane. Once completed this work will be used as a basis for adaptation.</p> <p>HCC have also developed an adaptation decision-making tool that will be investigated for potential use in BDBC projects, where applicable.</p>