

## Notice of Meeting

### Climate Change Advisory Panel

Councillors Virgo, Mrs McKenzie-Boyle, Mrs Hayes MBE,  
Mrs Ingham, Kennedy, Leake, Mossom, Parker and Temperton

**Wednesday 9 March 2022, 6.30 - 8.30 pm**  
**Online Only - Via MST**



### Agenda

Item	Description	Page
1.	<b>Apologies for Absence</b>	
2.	<b>Declarations of Interest</b>	
	<p>Members are asked to declare any disclosable pecuniary or affected interests in respect of any matter to be considered at this meeting.</p> <p>Any Member with a Disclosable Pecuniary Interest in a matter should withdraw from the meeting when the matter is under consideration and should notify the Democratic Services Officer in attendance that they are withdrawing as they have such an interest. If the Disclosable Pecuniary Interest is not entered on the register of Members interests the Monitoring Officer must be notified of the interest within 28 days.</p> <p>Any Member with an affected Interest in a matter must disclose the interest to the meeting. There is no requirement to withdraw from the meeting when the interest is only an affected interest, but the Monitoring Officer should be notified of the interest, if not previously notified of it, within 28 days of the meeting.</p>	
3.	<b>Minutes</b>	1 - 6
	To approve as a correct record the minutes of the meeting of the Climate Change Panel on 27 January 2022.	
4.	<b>Urgent Items of Business</b>	
	Any other items which, pursuant to Section 100B(4)(b) of the Local Government Act 1972, the Chairman decides are urgent	
5.	<b>Climate Change Action Plan Progress Report</b>	7 - 40
	<p>To receive the Climate Change Action Plan Progress Report and a presentation on retrofitting the Bracknell Forest Council Estate.</p> <p>The Panel will also receive a presentation on Passivhaus School by Ben Humphries, Director at Architype.</p> <p><b>Reporting:</b> Kevin Gibbs</p>	

### **EMERGENCY EVACUATION INSTRUCTIONS**

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Published: 8 March 2022

#### **EMERGENCY EVACUATION INSTRUCTIONS**

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**CLIMATE CHANGE ADVISORY PANEL  
27 JANUARY 2022  
6.30 - 8.45 PM**

**Present:**

Councillors Virgo, Mrs Hayes MBE, Mrs Ingham, Mossom, Parker and Temperton

**Apologies for absence were received from:**

Councillors Mrs McKenzie-Boyle, Kennedy and Leake

**Also Present:**

Councillors Bettison and Gbadebo

**29. Declarations of Interest**

There were no declarations of interest.

**30. Minutes**

The minutes of the Climate Change Advisory Panel meeting held on 27 January 2022 were confirmed as a correct record.

**31. Urgent Items of Business**

There were no urgent items of business.

**32. Local Renewable Power Generation: Anaerobic Digestion Plant High Level Feasibility**

Councillor Virgo introduced the Climate Change Advisory Panel and explained that this Advisory Panel meeting would be looking at Local Renewable Power Generation: Anaerobic Digestion Plant High Level Feasibility.

The Climate Change Advisory Panel received an update from Kevin Gibbs, Executive Director: Delivery on the outcome of the Atkins report into the high-level feasibility of building an anaerobic digestion (AD) plant in the Borough.

Kevin was joined by Damian James, Assistant Director: Contact Services, Grainne Siggins, Executive Director: People and Ross Wilson and Richard Lancaster from Atkins.

The presentation covered the following highlights:

- The paper looked at many different aspects of Anaerobic Digestors.
- Within the Climate Change Action Plan it had been raised by a number of consultees that not enough was being done around local power generation.
- In discussion with the Executive Member 12 months ago, work had begun to look at different options, and one of those was anaerobic digestion.
- The following types of renewable energy could be invested in by the Council; Solar, Wind turbines, Hydroelectric, Micro-nuclear, Micro combined heat and power and Hydrogen fuel cell

- A number of consultees commented that Bracknell was behind other Councils in local power generation.
- Council owned energy firms had lost more than £100m according to new analysis.
- A short video was shown to the Panel.
- The key concept of Anaerobic Digestions was that it broke down the organic material and turned it in to different sources, one of these being biogas and one being digestate, which could be used as fertilizer and could be used in terms of renewable energy through turning into a gas or directly into electricity.
- Re3 food waste is contracted at an anaerobic digester in Wallingford until 2031, it produces biomethane which is used to create electricity and received approximately 20,00 per annum from the three re3 Councils.
- Members had recently visited the Wallingford Anaerobic Digester.
- It was hoped that the number would be driven down, regarding the amount of food waste received across the council.
- An average village was 2000 homes and would need 17,000 tonnes of food waste to electrically power it. It would cost £9m to build an electricity to grid AD plant.
- 19,000 tonnes of feedstock would require a land space of circa 0.8 hectares.
- A 50,000 tonne plant would generate 3MWh which could power up to 6,000 homes.
- There were 780 re3 movements to Wallingford per annum.
- There had been a visit to the Basingstoke AD in September 2021.
- The first stage of any procurement process was market making, which would be the council showing what the need was.
- The Business Case for an AD plat seemed viable, but required significant investment of at least £18m including land.
- The Council would not be able to lead as a core service, nor were the expertise in place for this.
- Initial feasibility work had been developed, but it was an officer view that the market was well willing to invest in.
- The S151 Officer had commented that the Council would not be able to borrow for this type of scheme.

Grainne Siggins, Executive Director: People, provided her personal feedback of living by an AD plant.

- Grainne owned a small non-working farm in the rural Cambridgeshire countryside, a year later notice of an AD plant was proposed.
- Communication was key during the planning process, as the farmers had not communicated prior to the application.
- The view and environmental impact were a concern.
- Odour and noise were unknowns.
- Transportation and traffic were raised as issue.
- Construction was slow, and longer than expected.
- A tour and explanation of the plant was given.
- Onions, leaks and maise were used at first.
- Noise was an initial issue from the burner and could be heard from the house, the farmers would be advised when this happened.
- There was an odour from the onions in the summer.
- Getting used to the routine and running of the plant was important.

- They have increased the volume of food waste, maize was the main food, and there were 2 weeks when tractors are coming and going 24 hours of a day, permission was sought by the farmers for this.
- It was a small plant, with a larger plant 1 mile away, which was not near any residents.
- If animal excrement was used then there would be more odour, but this would require planning changes.
- The lorries came twice a week to empty the digestors, the other vehicles tended to be tractors.
- The maize was leftovers, but some fields were grown for direct use.
- Construction of the plant took 18 months

As a result of the groups comments and questions, the following points were made:

- An Environmental Bill was going through Government at present, and as part of that included Food Waste, the date for all Councils to have introduced a food waste collection service had moved back until 2025.
- The details of the Bill would be crucial to see how waste infrastructure would work going forward, members would be updated once more was known.
- Generally, there would not be enough AD if all councils were to collect food waste, there was capacity in the system but not enough for all Councils.
- It was important not to jump ahead of the market and not back the wrong solution.
- Food Waste collection had been a success, and as a result people were starting to change their habits.
- The re3 partnership was Bracknell, Wokingham and Reading working together to manage waste. By combining the three waste streams, it allowed the partnership to shop around.
- 200,000 tonnes would be produced by the partnership over the next 10 years.
- So far there hadn't been evidence that food waste was reducing within Bracknell.
- Prior to starting the collection, it was expected that an average of 1.4kilograms would be collected from each household, however the actual number was around 2.75 kilograms per household. As a result, over 5000 tonnes had been collected from Bracknell Forest since 1 March 2021, which was over the prediction of 4000 tonnes in a year.
- Communications would be done through Coms regarding reducing the amount of food wasted.
- There had been a 25% reduction in refuse waste collection over the same period.
- The energy grid was being decarbonised.
- The Council had been asked what it was doing in Local Power Generation rather than a strategic approach.
- Nuclear power was on the list to investigate, the Government had said that they wanted small nuclear power stations and would be looked at some point.
- Sewage sludge could be looked at and can be mixed into food waste.
- Food waste was the direct organic matter, sewage sludge could be. Regulatory framework had previously not allowed the matters to be mixed.
- You were able to put an AD next to a Sewage Plant, and a partnership would be arranged. It would depend on the operating model. The water industry were interested in this type of market.
- A good example of co-location was the GENeco facility just outside of Bristol, which had a sewage treatment works producing sewage sludge which they

digested, and they also imported food waste that was digested, and they have a shared biogas with them, they were not mixing the wastes, but they were sharing assets.

- The ADs needed a good food stock to keep at 100% operation. If this was done wrongly then large amounts of money could be lost.
- The expertise of running an AD was extremely important.
- Councillors would be on the receiving end of any complaints for residents.
- There wasn't thought to be a requirement for a zone to be around an AD plant.
- In the water industry there were many houses and housing developments right next to water treatment plants.
- It was important that residents had knowledge and information, so the community were on board with a potential scheme.
- Engaging with the local community and stakeholder was fundamental to any major operation.
- There were already water and sewage works in the Borough.
- It was important for the Council to be forward thinking.
- A lab scale digester could be built, there was no restriction on scale, but on the economy of scale. The costs of a smaller plant would exceed the amount of energy produced.
- There were plenty of people who were able to design, build and operate AD facilities and was produced all over the world.
- Further analysis and options would need to be investigated.
- Directly supplying properties would be a more complicated procedure.
- The officer recommendations did not cement and commit the Councils resources but communicated that the Council would welcome an AD into the Borough.
- Green hydrogen was one of the many resources that could be recovered from either sewage sludge or organic wastes.
- There were various pathways to recover hydrogen from sewage sludge or organic wastes, the hydrogen economy in the UK was still young and there was a limited scale of opportunity.
- Previously the Council had helped and supported Grudens to allow the plants at Lakeside to be built, and potentially a similar arrangement could be sought for an AD plant.
- 70,000 tonnes alone were going to Lakeside from Bracknell Forest alone.
- re3 had spoken around the opportunities surrounding AD, that dialogue was ongoing. The re3 partnership shared household waste facilities and if anyone could bring on a new asset, then it would be looked at by the partnership.
- Other councils located close to Bracknell Forest could also be spoken with.
- Food Waste collection was starting in March 2022.
- Scale was really important, for how much return you could get for your investment.
- Commercial terms were negotiated for food waste, and these were very strong compared to other local authorities.

The Chairman thanked all those for contributing to the discussion and confirmed that the Advisory Panel would like to move forward to the next stage.

33. **Feedback from the Climate Change Advisory Panels visits**

The Climate Change Advisory Panel provided positive feedback on their recent visits.

It was commented by the Chair that the Grudens trip was fantastic and that he was still confused to why Heathrow didn't want to use their energy.

Councillor Mrs Hayes, confirmed to the group that she'd like to take the Advisory Panel on another trip to visit the London Road site.

34. **Date of Next Meeting**

The date of the next meeting of the Climate Change Advisory Panel was 9 March 2022.

**CHAIRMAN**

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To: **Climate Change Advisory Panel**  
**09 March 2022**

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**Climate Change Action Plan Progress Report**  
**Information Item**  
**Executive Director of Delivery**

## **1 Introduction**

- 1.1 The council has committed itself to becoming a net-zero carbon authority by 2050 and has created a Climate Change Strategy and supporting action plan to deliver this objective. Members have requested an annual progress report to be submitted to full council in the summer of each year. The first report is due in the Summer of 2022. As part of the action plan tracking process, six monthly updates have been scheduled to the Executive, via the Executive Briefing process and then on to the Climate Change Advisory Panel. The next update is due on 9<sup>th</sup> March 2022 and this paper summarises that update.

## **2 Supporting Information**

- 2.1 The council published a Climate Change Strategy in January 2021. The strategy had an action plan, detailing the projects and programmes, from across the council, that link directly to mitigating the impacts of man-made climate change.
- 2.2 The action plan is a live document with updates being managed by the Climate Change Officer board, which has representatives from each directorate and major project areas. The projects are grouped by directorate and Executive Member and updates are based on information provided by specific Officers named as project leads within the action plan.
- 2.3 The Officer Board meets each quarter to discuss and report on achievements related to the action plan. At the end of each financial quarter Officers complete a quarterly update sheet, with those updates being transferred on to the action plan itself. A copy of the Action plan as at 31<sup>st</sup> December 2021 (the end of Q3) is attached as Appendix 1.
- 2.4 Under the Leader's schedule of appointments, noted by Council on 28 April 2021, the Climate Change Advisory Panel, was established. The Executive Director of Delivery, as the Officer lead for Climate Change, supports this panel, and provides the panel with a summary of progress made against the action plan three times a year.

## **3 Highlights**

### **Climate Change Advisory Panel**

- 3.1 The Climate Change Advisory Panel (CCAP) under the Chairmanship of Cllr Tony Virgo was established back in Q1 of 2021/22. In terms of frequency of meetings, the Panel meets bi-monthly and has now had four meetings. The role of CCAP is to advise Executive Members on issues around climate change. The CCAP provides a useful public forum for sharing the council's journey to net zero and to demonstrate that there is credible performance management of our projects.

- 3.2 The meetings are broadcast on YouTube and the papers are published via Mod.gov, like any other council meeting. However, the Terms of Reference for this Advisory Panel gives it the freedom from being a formal “council committee”, giving it the space to investigate and feedback learning that would be helpful to the Executive and therefore support the council in achieving its objective of being carbon net zero by 2050.
- 3.3 Since the last update report provided in November 2021 the panel have considered one session devoted to domestic energy efficiency and another around Local Power generation via an anaerobic digestion plant.
- 3.4 At the first of these meetings the CCAP welcomed a presentation by the council’s Sustainable Energy Officer summarising both historical, current and planned work projects aimed at improving the energy efficiency of our residents’ homes. This update also included a short video commissioned at the request of the Executive Member for the Environment highlighting the outcomes from a recently completed green homes grant scheme. The panel also had an introduction as to how the council is working in partnership with a private landlord (Silva Homes), a view of the issues facing housing developers (Wimpey Homes) plus a presentation on the current benefits and drawbacks of (ground or air source) heat pumps. Two themes emerged from these discussions: capacity and cost. There are projected capacity issues around both the scale of retrofitting existing homes but also the ability and skill set to provide homes of the future. In addition, further stimuli to encourage private funding and investment will be required to make customer choices more affordable.
- 3.5 The second CCAP meeting focussed on investigations around the merits of anaerobic digester plants which function by breaking down organic waste materials and producing either gas or fertilizers or both. Ahead of the session several members of the panel visited existing anaerobic digestion plants in Hampshire and Oxfordshire. Their own findings were mapped against a separate feasibility study completed by Atkins on the council’s behalf to consider the option of installing a facility here within the borough. The overall conclusion was that whilst an AD plant would be of benefit, any lead on such a project should be left in the hands of the private sector to take forwards.
- 3.6 As with previous session outcomes, the key issues that the Panel presented to the Executive, were that the delivery of the council’s plans was dependant both on emerging government strategy and private sector investment. This next update report, presented to the panel in March 2022, has a focus on the work of the council’s property division, in leading the council’s efforts to retrofit our estate of corporate, civic, and school buildings.
- 3.7 In term for the future agenda items for the panel, the current themes have been put on the forward plan for the panel are highlighted below:
- 9 March – Action plan update and retrofitting the BFC estate
  - 25 April – Biodiversity and the natural environment
  - 8 June – Review of the draft Annual report update
  - Sept - Local power generation – hydrogen
  - Nov - Action plan update and London Road options appraisal

## Grant funding

- 3.8 Property Services are currently finalising a series of heat decarbonisation plans for all of the Council's property stock including schools not already funded. These plans were secured from £154k Salix funding and will enable Property Services to plan and prioritise any retrofitting works identified.
- 3.9 The Highways and Transport service has received a Department of Transport revenue grant of £160k for active travel initiatives (walking, cycling, etc.). The funds have helped expand cycling routes to Crowthorne and Sandhurst and have allowed the commissioning of promotional videos as well. These are to be supported by interactive maps, cycle led rides, family events, and working with businesses and schools to increase participation.
- 3.10 The council has also secured £100k funding to roll out 32 residential electric vehicle charging points across the borough. These will be low wattage / slow chargers, aimed at overnight charging. Having reviewed the best locations for these, it has been agreed that local community hubs, e.g. at shopping centres, would be the best locations.
- 3.11 Our shared Public Protection Partnership team secured £259k of DEFRA funding to help councils develop and implement measures to benefit schools, businesses and communities and reduce the impact of dirty air on people's health. Part of the funding has helped procure equipment to better monitor air quality levels around 14 specific schools located close to existing the borough's two existing Air Quality Management Areas. Gaining a better understanding of local concentrations of air pollutants is a key step towards planning future actions to reduce exposure. Whilst the project will help to identify future measures to reduce exposure at schools, the grant also allows us to act now on engine idling through education and awareness.
- 3.12 In addition to the above It is worth noting that the council applied for but was ultimately **unsuccessful** with the following funding bids. The effort required to bid for these monies is considerable and there is no separate budget heading for this work. This is therefore an area of concern. The failure bids list is:
- Green Homes Grant Local Authority Delivery: £1.3M to retrofit some of the borough's least energy efficient homes;
  - Social Housing Decarbonisation Fund: A £500k bid submitted on behalf of / in partnership with Silva Homes to retrofit private landlord housing;
  - Public Sector Decarbonisation Fund: a £500k bid to install a hybrid system of air source heat and a new gas boiler at Time Square
  - Department for Transport: a £30k bid to develop a detailed plan to improve cycling and walking between Crowthorne and Owlsmoor
- 3.13 Moving forwards there are a number of planned initiatives funded by Public Health monies which can contribute to supporting climate change work.

## **Parks & Countryside**

- 3.14 The service has recently finished a busy tree planting period incorporating 2,795 trees over 20 sites as part of highways improvements and improvements to public green spaces.
- 3.15 The total area of Habitats of Principal Importance (HPI) has increased by 50.97 hectares mainly due to new mapping of ponds across the borough. 700 ponds were identified which support biodiversity, store water, reduce flooding and act as carbon sinks.
- 3.16 The total area of Local Wildlife Sites (LWS) has also been increased by 17.7 hectares with the re-designation of Lily Hill Park. In the climate change context, Lily Hill Park has woodland and meadows that provide urban cooling, carbon storage and support the survival of biodiversity.
- 3.17 A project to finalise the installation of a ground source heating pump at Westmoreland Park Pavilion is ongoing and the service are also looking at increasing rainwater harvesting at a number of sites following successful trials at the Look Out and Westmoreland Park.
- 3.18 The team continues to review items on the action plan with an ambition to tighten their targets and measures of progress.

## **Environmental Services – Greening our Waste Strategy**

- 3.19 Performance on the council's food waste recycling service has remained strong throughout the first three quarters. By the end of December the service had diverted over 5,000 tonnes of food waste from landfill which equates to 2.75Kg per household per week and a proportion of the borough's flats will soon be added to the scheme.
- 3.20 The average overall recycling rate has also remained high at around 58%. It is expected this rate will drop slightly by year end as a consequence of seasonal factors but should still be in excess of 55%, reflecting more than a 12% improvement on last year. Participation in the food waste scheme has also been sustained at an exceptionally high 90% of eligible households. This compares to an average of around 60%-70% in other schemes.
- 3.21 Efforts to reduce the total amount of waste ending up as landfill have also been successful representing around 7% of all waste currently – below our annual target of 10%.
- 3.22 The service has also started collecting and analysing waste fleet vehicle emissions. A metric will be available at the end of the financial year and will serve as a benchmark for future measurements.

## **Highways and Transport**

- 3.23 Two revenue grant successes have already been covered but funding has also been secured to work on a bus service improvement plan (BSIP). The BSIP sets out the combined vision for improving bus services in the borough. The Partnership with local bus operators is now working to publish an Enhanced Partnership Plan and Scheme which will set out actions to help deliver the BSIP aims.

- 3.24 The service is currently looking to develop a database to demonstrate the cumulative carbon reduction benefits of all the work completed within the Transport Department. The aim is to combine all the active travel measures, construction work, supply chains and other work streams to demonstrate that the department is working in a cleaner way.
- 3.25 Partnership work with the Eco Rewards scheme has continued to incentivize local schools and residents to choose sustainable travel options. At the end of quarter 3 there are now 9 schools participating in the scheme, and 45,000 green miles were reported during the quarter, increasing the overall total to 245,000 since launch.
- 3.26 Moving forwards the service will be undertaking a widespread consultation on walking and cycling habits within the borough during Q4 to better inform planning on improving infrastructure and supporting a greater transition to these sustainable modes.

#### **Public Protection Partnership – air quality**

- 3.27 The PPP ran an anti-idling car bumper sticker design competition for primary schools. School children across the three local authorities were asked to create a design for a car sticker which would encourage the driver behind them to switch off their engines when appropriate to do so, saving emissions from idling. From a grand total of 348 entries, the winning impactful design was submitted by a year 6 pupil from Ascot Heath Primary School. Copies of the sticker are available on request.
- 3.28 A project to start education around engine idling and idling enforcement will be a focus for the service over the coming year. This programme will initially target taxi ranks, schools and known hot spot areas around the borough.

#### **Economic Development**

- 3.29 Following the success of The Forest Giants events in the Lexicon in the Summer of 2021 work is now underway for a Forest Springs event highlighting the importance of water conservation. There are further plans for a return of the Giants later in 2022 to help broaden the borough's messages around protecting and enhancing our natural environment.
- 3.30 The council has recently been appraised of the outcomes of the 2021 Bracknell Forest Council Business Survey which was undertaken with over 500 local businesses primarily to understand the impact of COVID-19 and Brexit. The survey also asked for the views of local businesses around the green agenda. Among many outcomes the results showed that just 51 per cent of businesses have the intention of being more environmentally friendly, just 12 per cent have set a specific target or aim to achieve net-zero and just five per cent have set a deadline to this commitment. This clearly demonstrates an opportunity for greater engagement and collaboration over the coming year.

#### **Domestic Energy Efficiency**

- 3.31 Work has continued to better understand the condition of residential properties in the borough from an energy performance point of view. The section continues to build energy efficiency data on as many borough homes as possible and now has an almost complete data set. During the year the cumulative efforts to capture data and retrofit homes with energy efficiency measures has resulted in the borough achieving

an average 'C' energy rating for all homes. A key Government target is for every home to have a C rating by 2035.

#### **4 Communications plan**

- 4.1 A detailed communication plan has been developed and good progress has been made in profiling key programme successes. Climate change news stories have been pushed out every two weeks since the start of May 2021.
- 4.2 Social media: Facebook, Twitter and Instagram, have been key communication channels. The council has over 13,000 followers on Facebook, so it is one of the most important platforms to put communication messages out through. This also has the benefit of being two-way communication, with posts generating much debate between the users and messages back to the council. The council also uses e-newsletters, e.g. Parks & Countryside, Waste & Recycling, etc., in addition to Town and Country, as its other routes for messaging.
- 4.3 Looking forward, the team will be exploring the most effective ways to communicate with schools more regularly with headteachers' updates plus supporting a planned schools' climate change conference in May 2022. They are also working on more targeted messaging for groups like older residents, or faith and community groups. We have also started producing weekly tips for residents with a focus on everyday things that can be built into daily routines, such as shorter showers and sustainable cooking.
- 4.4 Internal communications are equally as important. Messages and articles have been put in the staff newspapers, Forest Views and Forest Views Extra helping to make the climate change strategy more visible to all staff and Members. There is also now a Climate Change Yammer group through which all staff and Members can post ideas or signpost others to articles of interest around climate change. The use of such internal staff channels has opened up new internal debates around efficiencies that the council can make in its operations, such as staff talking about working from home in a more sustainable way.

#### **5 Equalities Impact Assessment**

- 5.1 Specific EIA's are completed by Officers for their individual projects within the Action Plan.

#### **6 Strategic Risk Management Issues**

- 6.1 The Council is committed to becoming a net zero carbon authority by 2050. All actions that the council undertakes should be assessed for their environmental impacts prior to receiving executive approval.

#### Background Papers

Appendix 1: Climate Change Action Plan updated to 31 Dec 2021

#### Contact for further information

Gareth Jones, Shared Services Manager, Delivery: 01344 351761  
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<b>Domestic Energy Efficiency</b>							
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too</b>	<b>Q2 (Jul-Sep 21) Update</b>	<b>Q3 (Oct-Dec 21) Update</b>
CS12 Policy - renewable energy concepts on all new builds	ensure that properties meet a minimum renewable energy standard	Hazel Hill / Cllr Hayes	all new developments of 5+ homes or more than 500 sq metres to demonstrate measures to reduce CO2 emissions by 10% and to provide 20% of all energy consumed by on-site renewable means; all new developemnt of less than 5 / less than 500 sq metres to demonstrate measures to reduce CO2 emissions by 10%	Measurement of this policy commenced in Oct 2018 That was point zero.	no: of new homes meeting set criteria p.a. TARGET FIGURE of 500 p.a. (1,389 in first two years of measurement Oct 18_20).		Commented on 34 new dwellings this quarter - mixed types for consultation. Total no: of homes commented on since Oct 18 start date is now 1,743. This is above the target figure of 500 p.a.
Monitor residential energy efficiency (ELMHURST database)	Updating the database including new or additional properties.	Hazel Hill	Total no: of homes on the database; PLUS total proportion (%) of homes on database that are rated D or above	Yes Oct 2018: 44,040 homes on database and 39,988 of those (90.8%) were rated D or above	To increase the total number of BF residents homes captured on the database and to increase the % of homes with a rating of D or above from the Oct 18 baseline figure of 90.8%. (Target of 0.5% increase per annum)	Elmhurst now have 49,001 properties on database, 93% D or above	49,832 properties on the database (96% of all homes in the borough). 94% of all <u>known</u> homes are rated 'D' or higher.
Promote (& measure) grants/funds for energy efficiency and/or renewable energy at home	Warm Homes Grant up to £2.8M (converting BF homes to gas supplied heating)	Hazel Hill / Cllr Birch	no: of homes converting to gas	Records began in Feb 2019. Baseline was zero at that point.	To upgrade 125 properties in total	Warm Homes Grant achieved 34 connections to date. Two roads (60+ properties) being assessed by Cadent gas currently. (Target now amended down to 125 due to Covid-19)	The two targeted roads were unsuccessful. No further connections were made this quarter.
Promote (& measure) grants/funds for energy efficiency and/or renewable energy at home	LA - Flex (installing cavity/loft insulation and / or boiler replacements in BF homes)	Hazel Hill / Cllr Birch	no: of properties benefiting from LA Flex funding	Measurement began in Nov 2017 Baseline was zero at that point.	TARGET FIGURE of 400 properties to benefit p.a. (1,468 total in first 3 years of measurement Nov 17_20)		2,152 properties / residents have benefitted from the scheme since measurement started in Nov 2017 - up to and including 31 <sup>st</sup> Dec 2021. That is above the target figure of 400 homes p.a.

<b>Domestic Energy Efficiency</b>							
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too</b>	<b>Q2 (Jul-Sep 21) Update</b>	<b>Q3 (Oct-Dec 21) Update</b>
Promote (& measure) grants/funds for energy efficiency and/or renewable energy at home	Warm, Safe & Well scheme £54k p.a for 2yrs (funding home insulation schemes for eligible* residents)	Hazel Hill / Cllr Birch	no: of properties benefiting from WSW funding; sums of funding spent;	Measurement began in Feb 2020 Baseline was zero at that point.	Either: no: of properties benefitting p.a. or aim to spend all £108k available or both	48 residents have benefitted so far. Project ends 31/03/22.	£39k spent in total so close to £70k remains. Has been difficult to identify suitable beneficiaries during COVID. Targeted marketing is ongoing. Xx residents have benefitted so far. Funding due to end by Mar 22, but can approach public health for a further extension.
Promote (& measure) grants/funds for energy efficiency and/or renewable energy at home	Green Homes Grant £275k Bid2(LAD 2 scheme). Funding energy efficiency and or renewable energy improvements in E,F,G fuel poverty homes.	Hazel Hill / Cllr Birch	no: of properties benefiting from funding	Zero as at Apr 2021 when scheme commenced	Up to 27 properties may benefit (Apr 21 - Mar 22)	Delays in starting work (nationwide), no progress to date. Spend deadline currently 31/03/22.	Project start still delayed. Spend deadline currently extended to 30/06/22.
Promote (& measure) grants/funds for energy efficiency and/or renewable energy at home	Bidding for Green Homes Grant Bid 3 (Sustainable Warmth)	Hazel Hill / Cllr Birch	no: of properties benefiting from funding	Zero	Up to 145 properties to benefit from retrofit work measures	Awaiting Outcome from submitted bid	Bid unsuccessful - this line will be moved to the finished projects tab

Corporate Estate and Property							
Name of project / work	Brief description of project / work	Lead Officer / Lead Member	Please state any indicators / measures linked to monitoring progress on this work	What is / was your baseline measure at the commencement of this project/work?	What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too	Q2 (Jul-Sep 21) Update	Q3 (Oct-Dec 21) Update
Reduce water use in identified council buildings.	Installing AMR meters across the estate	Hash Patel	m3 water consumption; co2 reductions	ongoing	5% reduction per annum		We have managed to install 24 new automated pulse enabled water meters to measure every half hour on larger meters and daily on small meters. Being underground we have come across some issues in obtaining the signal. By end of Feb 22 (next quarter) we will have a full year's data for most sites.
Monitor Energy Performance of Buildings & Highway assets	Display Energy certificates	Hash Patel	CO2 rates, KWH energy	Grade D and above	By 2030		Identified buildings with poor heating systems or heating set ups with weather dependent outside sensors and made appropriate controls adjustments to run those heating systems below 18.5C. Continued our programme of (cavity wall and loft) insulation and bridging any air gaps through available decarbonisation funding.
Report on specific projects delivering energy efficiencies in BF properties	Comment on specific energy saving projects within the BFC estate (excluding schools)	Hash Patel	KWH energy & CO2	Previous to Present KWH/CO2	15% saving from previous		76 Binfield Road no longer a BFC asset - can be removed. Note that many properties may well show higher Kwh consumption during COVID period as doors and windows remained open to encourage fresh air exchange
Feasibility studies - retrofitting the corporate estate	Procurring a series of feasibility studies (with Atkins) to identify retrofit energy saving opportunities on corporate buildings	Hash Patel	No	No	No		Atkins are working on producing energy efficient reports/recommendations on some of our worst (energy) performing schools. Reports are due back in Q4.

<b>Corporate Estate and Property</b>							
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Report on specific projects delivering energy efficiencies in BF schools	Comment on specific schools estate thermal efficiency improvements	Hash Patel	KWH energy & CO2	Previous to Present KWH/CO2	15% saving from previous		21/22 Sandhurst School converted from oil to gas boilers. Awaiting full year gas data before comparing to previous oil fueled consumption.
Improving energy efficiency within the corporate estate through decarbonisation scheme. New energy purchase contract signed with EDF Blue Energy	From Apr 21 all electricity supplied to BFC estate will come from 100% zero carbon sources	Hash Patel	KWH energy & CO2	Previous to Present KWH/CO2			All electricity supplied to BFC estate will be zero carbon from 1st Apr 21. Calendar year energy consumption figures will be collated during Q4

<b>Biodiversity</b>							
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too)</b>	<b>Q2 (Jul-Sep 21) Update</b>	<b>Q3 (Oct-Dec 21) Update</b>
Westmoreland Park Pavillion CC Improvements	Heating improvements and install a composting system.	Charlie McNish					Supplier sourced for ground source heat pump which should be installed to heat the pavilion in 2022. This project will be advanced following a building heat survey over the next month and once confirmation has been received on an invest-to-save application.
19 New - Monitor priority habitats and species	Monitor the status of priority habitats and species to understand changes that may occur.	Marlies Boydell	Yes, BAP targets and Annual Monitoring report for Local Plan	No	Annual review		Habitats of Principal Importance (HPI) – the total area has increased by 50.97ha mainly due to new mapping of ponds across the borough. 700 ponds were identified which support biodiversity, store water, reduce flooding and act as carbon sinks. Species of Principal Importance (SPI) – the number of SPI recorded in the last 10 years has reduced from 80 to 79. Farmland bird index – the index has decreased from 1.27 to 0.95.
New - maintain habitats in good condition and control invasive non-natives	Carry out habitat management works to maintain habitats in favourable conservation status.	Marlies Boydell	Yes, BAP targets and Annual Monitoring report for Local Plan	No	There are 4 targets monitoring condition of habitats in the BAP ending 2023.		Sites of Special Scientific Interest (SSSI) – 79% are in favourable condition which is no change from the previous year. In Q3, the Parks & Countryside Service have carried 533 hours of habitat management with help from volunteers.
New - improve green infrastructure through land management	Identify deficits and use land management to improve green infrastructure.	Marlies Boydell	Yes, BAP targets	Yes, the Green Infrastructure Review was completed in 2017.	BAP target - Explore corridor possibilities to link at least 5 significant areas for urban biodiversity		No update
New - Increase and improve habitats that mitigate effects of climate change	Create and enhance more habitats that store carbon and water such as large trees, woodland, meadows and wetlands.	Marlies Boydell	Yes, BAP targets	Yes, the Annual Monitoring Review for the Local Plan estimates the area of priority habitat types.	There are 13 BAP targets to restore and enhance habitats that would store carbon and water.		Local Wildlife Sites (LWS) – the area has increased by 17.7 hectares with the re-designation of Lily Hill Park. In the climate change context, Lily Hill Park has woodland and meadows that provide urban cooling, carbon storage and supports the survival of biodiversity.

<b>Biodiversity</b>							
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Improve water supply and retention to trees in order to reduce impact of warmer summers and droughts	Mulching application is used where feasible.	Charlie McNish					We continue to implement mulching of trees within working practices, and have installed rainwater harvesting equipment at The Look Out Discovery Centre. Also working towards installing further rainwater harvesting equipment at other sites.
Adapt maintenance programmes for parks and open spaces to changes in the growth patterns of plants	All rangers have been asked to seek and remove areas from regular maintenance where it is no longer deemed necessary.	Charlie McNish / All rangers/ Alan Wilson					All grounds maintenance has been assessed across our sites and revised plans for a new maintenance contract created.
Increase / improve the borough's tree cover	Either plant new trees or replace existing with stocks suited to our climate	Charlie McNish					The Parks & Countryside Service have planted 2,795 trees overall composed of 2,761 whips and 34 large trees across 20 sites including Larks Hill, The Parks and Frost Folly, plus highway road verges. A further 675 whips are planned for The Parks and Jennetts Hill.
Avoid peat products and suppliers who use peat.	Avoid the use of peat compost and only source from suppliers using peat-free compost.	Charlie McNish	No	No	All compost and plant orders to include peat-free confirmation in writing.		The P&C service has now adopted this policy and it is a BAU position - line will be closed in next quarter.

<b>Waste</b>							
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please</b>	<b>Q2 (Jul-Sep 21) Update</b>	<b>Q3 (Oct-Dec 21) Update</b>
Reduce landfill waste	Reduce the % of overall waste going to landfill	Donna Cox / Cllr Hayes	% of waste to landfill	17% (19/20 figure) NI193	Reduced % of landfill waste (10% for 21/22)	End of Q2 figures will be reported in Q3 (End of Q1 already reported)	The landfill rate up to the end of quarter 2 was 7%. The target for the year is 10% or lower and Bracknell Forest is on track to achieve that.
21 Increase recycling rate	Increase the recycling %	Donna Cox / Cllr Hayes	% of ALL waste recycled; Tonnes of food waste recycled;	43% - ALL waste (19/20 figure) NI 192; Food waste recycling introduced Mar 20;	50 % - ALL waste (21/22); 4,000T food waste p.a.	End of Q2 figures will be reported in Q3 (End of Q1 already reported)	To the end of quarter 2 the borough recycling rate was 58% - recycling is impacted by seasonal changes and the first 2 quarters of the year are often when the rate is at it highest. Food waste recycling participation rates remains high (>90%) with an av. of 2.75Kg collected per household/p.w. To end of Q2 3,080T food waste were collected.
Decrease waste per household	Decrease the total waste per household in kgs - this includes all types of waste	Donna Cox / Cllr Hayes	Kgs waste per household per annum	974kgs waste per hh (19/20 figure)	Reduce kgs per hh (below 975kg p.a)	End of Q2 figures will be reported in Q3 (End of Q1 already reported)	To the end of quarter 2 the waste per household across the borough was 494 kg. This is 3kg per property less than at end of Q2 in 20/21.
Seek to measure emissions (& encourage reductions) in the environmental impact of waste contractors' vehicles	Maintain or reduce vehicle emissions	Claire Pike / Cllr Hayes	Average Kg CO2e emitted by fleet vehicles per mile	3.12Kg CO2e per mile (2020/21)	maintain or reduce Kg CO2e emitted per mile		Figures for 21/22 will not be available until Q1 next year

Transport							
Name of project / work	Brief description of project / work	Lead Officer / Lead Member	Please state any indicators / measures linked to monitoring progress on this work	What is / was your baseline measure at the commencement of this project/work?	What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too	Q2 (Jul-Sep 21) Update	Q3 (Oct-Dec 21) Update
Convert all highway infrastructure to low voltage/LED technology where possible	Complete all underpasses, bollards, directional sign lights and traffic light systems to low volatge/LED technologies	Osmond Faleiro / Cllr Turrell					
22 Increase the use of sustainable modes of transport in targeted areas	Get more people in residential and business areas walking and cycling or using public transport, particularly where census or public health data suggests uptake is low but could be higher  LCWIP and Emergency Active Travel Measures, work with BID to promote and increase sustainable modes of travel in Business Areas	Aidan Richardson & Phil Burke / Cllr Turrell	Travel in Bracknell Report which contains annual bus and rail use data along with annual cycle and walking survey data and traffic counts  Census 2011 data (now old)  Active Travel Survey (2015)  DfT Propensity to Cycle Tool  Council Staff Travel Survey	Yes we consider previous years data within the Travel in Bracknell Report and we consider a measure of success to be annual increases in walking & cycling in our annual surveys, along with bus and rail patronage	No	Officers are working with local bus operators to produce a Bus Service Improvement Plan in line with Govt requirements. Waiting for confirmation of Capability Fund allocation to deliver wider active and sustainable travel programmes.	Officers formed a bus partnership with local bus operators to produce a Bus Service Improvement Plan (BSIP) in line with Govt requirements, available at <a href="https://www.bracknell-forest.gov.uk/roads-parking-and-transport/travel-and-public-transport/buses">https://www.bracknell-forest.gov.uk/roads-parking-and-transport/travel-and-public-transport/buses</a> The BSIP sets out the combined vision for improving services in the borough. The Partnership is now working to publish an Enhanced Partnership Plan and Scheme which will set out actions which will deliver the BSIP aims. In December DfT capability funding (£132k) for a variety of measures aimed at encouraging more walking and cycling was confirmed. Schemes will be delivered throughout 2022.
Encourage more children (and parents) to cycle to school	Bikeability Cycle Training and promoting initiatives such as Bike to School day	Aidan Richardson & Phil Burke	Number of children trained annually to Level 1 & 2 standard  Number of children cycling to school as reported by annual school census data	Yes we consider previous years data on numbers trained	We aim to train as many children as we can each year	Bikeability cycle training delivered to 168 children in Q2 including courses provided in the school holidays. Bike to school week promoted 27 September – 1 October including use of promotional film on social media platforms <a href="https://www.bracknell-forest.gov.uk/roads-parking-and-transport/travel-and-public-transport/active-ways-school">https://www.bracknell-forest.gov.uk/roads-parking-and-transport/travel-and-public-transport/active-ways-school</a>	Bikeability cycle training delivered to 146 children in Q3 including courses provided in the school holidays.

Transport							
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Encourage more employers to support sustainable travel choices among employees	Travel Plans and Travel Information for Workplaces and work to support the Bracknell BID	Phil Burke	Number of businesses with a Travel Plan in place?	No	No	Continuing to work with the BID to upgrade walking routes and signage	Continuing to work with the BID regarding improvements to walking and cycling routes and signage, and electric vehicle uptake. Specific vegetation cut back / surface improvements on footpath 6a and new signage on FP26.
Promote & facilitate greener fuel vehicles and technology	EV charge point project & Sustainable Modes Strategy	Phil Burke	Number of charges / KWH used on EV chargers in Council car parks	No	No	Officers preparing to go out to tender for a supplier of EV charging equipment in council-owned car parks	Procurement regulations and hold-up with supplier information causing delay to delivery of this project.
Promote the use of alternative travel choices for short local trips	We are working in partnership with Eco Rewards to promote a sustainable travel incentives scheme	Phil Burke	Travel in Bracknell Report which contains annual bus and rail use data along with annual cycle and walking survey data and traffic counts  Census 2011 data (now old)  Active Travel Survey (2015)  DfT Propensity to Cycle Tool  Council Staff Travel Survey	The Eco Rewards scheme will establish its own baseline for monitoring success  We also consider a measure of success to be annual increases in walking & cycling in our annual surveys, along with bus patronage	No	The Eco Rewards scheme continues to incentivize local schools and residents to choose sustainable travel options. 8 schools are now participating in the scheme, and a competition during the Great Big Green Week resulted in a 25% increase in green journeys recorded. So far the scheme has recorded 200,000 miles of green journeys, saving 50 tonnes of CO2 compared to driving.	The Eco Rewards scheme continues to incentivize local schools and residents to choose sustainable travel options. 9 schools are now participating in the scheme, and 45,000 green miles were reported in quarter 3 increasing the overall total to 245,000 - greater than the distance from the earth to the moon.
Monitor environmental impact of BFC-owned / leased vehicle fleet	To record annual (calendar) mileage per owned/leased vehicle for calculating emissions purposes	Matt Howlett	total mileage per vehicle per calendar year	mileage from 2019 equated to 52 Tonnes CO2 equivalent worth of emissions	to maintain or reduce total emissions down from 2019 levels	Fleet Management will supply total annual mileage for 2021 in January 2022	
Increase EV's in the Council fleet and improve charging infrastructure	Where possible replace with EV's or reduce the size of the fleet	Matt Howlett	no	no	ongoing	2 EV pool cars have been ordered to replace current diesel cars.	
Reduce emissions from Home to School transport scheme		Matt Howlett	No	No	Current DPS framework for HTST and Passenger Transport expires 31.08.2026	Low Emission vehicle now being used on an "in house" education transport route.	

<b>Transport</b>							
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Working to reduce no: of home-to-school transport students	Identifying incentives and alternatives to reduce no:s requiring car transit	Matt Howlett	No	No			

<b>Procurement</b>							
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too</b>	<b>Q2 (Jul-Sep 21) Update</b>	<b>Q3 (Oct-Dec 21) Update</b>
Ensure Climate Change mitigations are reflected within procurement documents	Project specific. Climate change covered in Strategic Procurement Plans (SPP)	Jo Alderson	None	None	None		Every SPP should cover climate change impacts. All SPPs are reviewed by the Strategic Procurement Group

<b>Air Quality</b>							
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too</b>	<b>Q2 (Jul-Sep 21) Update</b>	<b>Q3 (Oct-Dec 21) Update</b>
Idling vehicle actions	Enforcement on idling vehicle engines within the borough	Jason Webb / Cllr Harrison	Recorded number of incidences	Actions will commence in 2021			Successfully ran a schools' competition to design an anti-idling sticker for residents to place in their rear windscreens. Winning design to be chosen and made available in Q4. Will be commissioning a behaviour change specialist in Spring 2022 to design anti idling posters for use in idling areas where enforcement action can be undertaken.
Testing vehicle emissions	Enforcement on poor vehicle emissions in the specific AQMA areas	Sean Murphy / Cllr Harrison	Number of stops initiated and no: of penalties awarded	Actions will commence in 2022			No update this quarter
Monitor and improve Air Quality	Reporting on 2 x specific AQMA's with aim to reduce levels of NO2	Charlie Fielder / Cllr Harrison	Annual report sent to DEFRA every June - have to achieve National Air Quality Objectives (NO2, PM10 levels)	NO2 measurements recorded since 2000. 2020 return was favourable.			BFC's submitted DEFRA return for 2021 is yet to be received back
Monitoring NO2 and PM2.5 emissions	To specifically monitor these emissions within AQMAs and around schools. To identify possible mitigations	Jason Webb / Cllr Harrison		No data on these AQ measures at the outset			Procurement completed to secure PM2.5 monitoring equipment in vicinity of 14 BFC schools. Equipment to be installed next Quarter.

<b>Planning</b>							
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too</b>	<b>Q2 (Jul-Sep 21) Update</b>	<b>Q3 (Oct-Dec 21) Update</b>
Emerging Bracknell Forest Local Plan - flood risk	Emerging policy on flood risk requires development to avoid areas at risk of flooding	Sarah Slade	Development to avoid areas at risk of flooding	2022	Number of appeals allowed when refusal is on grounds of flood risk		The Bracknell Forest Local Plan (BFLP) and Sustainability Appraisal were submitted to the Secretary of State on 20 December 2021 for independent examination. Adoption is anticipated in Summer/Autumn 2022.
27 Emerging Bracknell Forest Local Plan - sustainable construction	Emerging policy on sustainable construction requires a reduction in carbon emissions or net zero emissions for new dwellings, water efficiency standards and sustainability standards for non-residential development	Sarah Slade	Major new residential development - net zero for regulated emissions; all other residential development minimum 19% reduction in emissions; residential development water use 110/litres/person/day; non-residential development of 500sqm or above to meet BREEAM excellent standard	2022	Percentage of major residential development not meeting zero carbon standard; Percentage of all other residential schemes not meeting 19% improvement in the dwelling emission rate over the target emission rate; Percentage of residential development not meeting water efficiency standard of 110 litres/person/day; Percentage of non-residential development of 500sqm or above not meeting BREEAM 'excellent' or equivalent;.		The Bracknell Forest Local Plan (BFLP) and Sustainability Appraisal were submitted to the Secretary of State on 20 December 2021 for independent examination. Adoption is anticipated in Summer/Autumn 2022.
Emerging Bracknell Forest Local Plan - SUDS	Emerging policy on Sustainable Drainage Systems (SUDs) requires SUDs for major development and development in areas at risk of flooding	Sarah Slade	SUDs required for major development and development in areas at risk of flooding	2022	Number of appeals allowed when refusal is on grounds of no/inadequate SuDS provision.;Number of planning applications including SuDS provision permitted.		The Bracknell Forest Local Plan (BFLP) and Sustainability Appraisal were submitted to the Secretary of State on 20 December 2021 for independent examination. Adoption is anticipated in Summer/Autumn 2022.
Sustainability Appraisal of the Emerging Bracknell Forest Local Plan	Examines how each policy in the emerging Local Plan contribute to achieving sustainable development (e.g. level of, location of and requirements for development)	Cathy O'Connor	Wide ranging measures proposed through the BFLP and SA	2022			The Bracknell Forest Local Plan (BFLP) and Sustainability Appraisal were submitted to the Secretary of State on 20 December 2021 for independent examination. Adoption is anticipated in Summer/Autumn 2022.
Anaerobic Digestion Plant	Investigate installation of an anaerobic digestion plant (converts food waste to biogas or fertilizer)	Damian James / Cllr Hayes					Site visits to Hampshire and Oxfordshire completed together with a feasibility report from Atkins. A summary will be presented to CCAdvisory Panel next quarter.

External Projects supported by BFC							
Name of project / work	Brief description of project / work	Lead Officer / Lead Member	Please state any indicators / measures linked to monitoring progress on this work	What is / was your baseline measure at the commencement of this project/work?	What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too	Q2 (Jul-Sep 21) Update	Q3 (Oct-Dec 21) Update
Retrofit the Silva Homes owned domestic housing stock	Bidding for Social Housing Decarbonisation funding	Hazel Hill (Assisting)	no	no	no	Sustainable Energy Officer worked to support Silva Homes prepare a £500k bid for submission in Oct 21. Outcome expected next quarter.	Outcome still unknown - now advised as Feb 22

Potential projects							
Name of project / work	Brief description of project / work	Lead Officer / Lead Member	Please state any indicators / measures linked to monitoring progress on this work	What is / was your baseline measure at the commencement of this project/work?	What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too	Q2 (Jul-Sep 21) Update	Q3 (Oct-Dec 21) Update
Greening workforce transport (phase 1)	Moving intra-borough work related journeys from fossil fuel cars to EV's		Ess user costs; Mileage claim costs; mTco2e	Costs: current essential user payments of £366k pa; current mileage claims of £352k pa; Est: Carbon footprint of 20,424mTco2e p.a.	reduce figures in column E		Organisation Development picking this piece of work up. To begin by investigating best practice adopted at other councils.
Greening borough transport (phase 2)	Creating an EV car club for residents to access / utilise greener cars for all travel purposes						
Circular Walks/cycle rides 29	Series of 5 circular walks / cycle rides being developed for summer holiday launch	Aidan Richardson & Phil Burke				Delivery slipped due to staff resources but maps have been created and 2 of the 5 routes have been signed. Launch now expected in Q3.	Launch now delayed to coincide with Easter 22. 3 of the routes still require signposting works to be completed.
Green Infrastructure Strategy	A Green Infrastructure Strategy (GI) is being prepared to help implement the GI policy of the emerging Bracknell Forest Local Plan (BFLP). The GI Strategy will also help identify opportunities to better link people and wildlife across the landscape in the face of climate change.	Jonathan Salmon	Progress on the draft GI strategy		Completion target of May 2022. Implementation will be monitored through the BFLP.	To be agreed with Planning Policy team lead.	Project Lead assigned. Awaiting implementation of the new Local Plan
Library Home Delivery Service vehicle to be replaced by zero emission vehicle		Matt Howlett					
Licensing	Manage limitations on taxi emissions via licensing policy review	Julia O'Brien / Cllr Harrison	Number of licenses awarded with tighter emissions restrictions; no: of EV taxis in borough	Actions may commence in 2022			

<b>Finished Projects</b>						
<b>Name of project / work</b>	<b>Brief description of project / work</b>	<b>Lead Officer / Lead Member</b>	<b>Please state any indicators / measures linked to monitoring progress on this work</b>	<b>What is / was your baseline measure at the commencement of this project/work?</b>	<b>What is your end target to achieve in relation to this project/work and how will it be measured / progress reported on? (please indicate a projected end date for project completion too</b>	<b>Q2 (Jul-Sep 21) Update</b>
Promote (& measure) grants/funds for energy efficiency and/or renewable energy at home	Green homes voucher scheme. Supporting residents to apply for 2/3 funding towards energy efficiency and / or renewable energy improvements	Hazel Hill /	no: of homes/residents applying to the scheme	Zero as at Sept 2020 when scheme commenced	The no: residents applying to the scheme p.a.	
Plan for impacts of climate change on species and habitat conservation and migration	Not planned.	Alan Wilson / Marlies Boydell	No	No	Yes, complete a review which was done in 2015.	
Implement climate change cross-cutting themes in Biodiversity Action Plan (BAP)	Ongoing work on the BAP	Alan Wilson / Marlies Boydell		No	There are 18 targets in the General Themes section of the BAP.	
Encourage public to have more environmentally friendly gardens	Year of the Garden 2020	Alan Wilson / Marlies Boydell		No	This project contributes towards the Urban habitat section of the BAP. There are 15 targets.	
Promote (& measure) grants/funds for energy efficiency and/or renewable energy at home	Green Homes Grant £900k (LAD 1A scheme). Funding energy efficiency and or renewable energy improvements in E,F,G fuel poverty homes.	Hazel Hill / Cllr Birch	no: of properties benefiting from funding	Zero as at Oct 2020 when scheme commenced	90 properties set to benefit in 6 month grant period (Oct 20_Mar 21)	Completed 99 properties 125 measures fully spent - this line is now CLOSED.

# Member Climate Change Advisory Panel

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Property Projects  
09/03/2022

# Grant Funding

Property Services have secured £929k grant funding from the Public Sector Decarbonisation fund, Salix as part of their phase 1 & 2 decarbonisation scheme.

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The initial phase 1 funding received £775k, from the public sector decarbonisation fund, for green retrofits, which was previously awarded and implemented through phase 1 of Salix's scheme earlier this year. With £350k allocated to Sandhurst School for boiler conversion and £425k for thermal insulation of maintained schools.

Additional funds were secured, from phase 2 to the sum of £154k, which will enable all of the councils properties to have a heat decarbonisation plan produced. This will propose suitable tangible proposals for decarbonising and saving energy within future schemes.



# Property Projects

How we are improving energy efficiency throughout our portfolio of buildings.

Bracknell Leisure Centre – PV Installation

Times Square Council Offices - BMS Installation

Downshire Golf Complex – LED lighting

Sandhurst School – Boilers and Roofs

The Depot – New Offices & Workshops

Schools 22/23 Energy Improvements - Future Projects

# Bracknell Leisure Centre – PV Installation

Flat roof replacement carried out over the sports hall Spring 2021. Results:

- Improved thermal insulation to current Building Regulations.
- 224 solar panels installed with capacity of 100 kWp.
- Estimated annual output of 95000 kWh.
- Estimated annual savings £14,250 per annum.\*
- Estimated annual CO2 reduction of 22 tonnes.\*

\* Based on 2020/2021 energy prices and carbon factor



# Time Square Council Offices BMS & Downshire Golf Club

## Time Square

Upgrade to the existing BMS system with a modern software.

Reduced consumption by at least 5%.

Approx. annual savings of £6,600 and 14 tonnes of CO<sub>2</sub>.\*

Enhanced controls.

Early alarms.



## Downshire Golf Complex

Upgrade and replace the 10 car park light columns with LEDs.

Approx. annual savings of £5k and 7.8 tonnes of CO<sub>2</sub>.\*

The future plan is to replace the remaining of the external lighting.

\* Based on 2020/2021 energy prices and carbon factor



# Sandhurst School Boilers & Roof

Installation of new gas boilers in 2020/2021.

- £350k Salix funding used.
- Installed 4 x 350 kW gas boilers.
- Approx. annual savings of £50k and 105 tonnes of CO<sub>2</sub>.\*

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Science block, Plant room and Main block roof replaced, with insulation increased to meet current Building Regulations.

- Improved thermal insulation to current Building Regulations.

\* Based on 2020/2021 energy prices and carbon factor

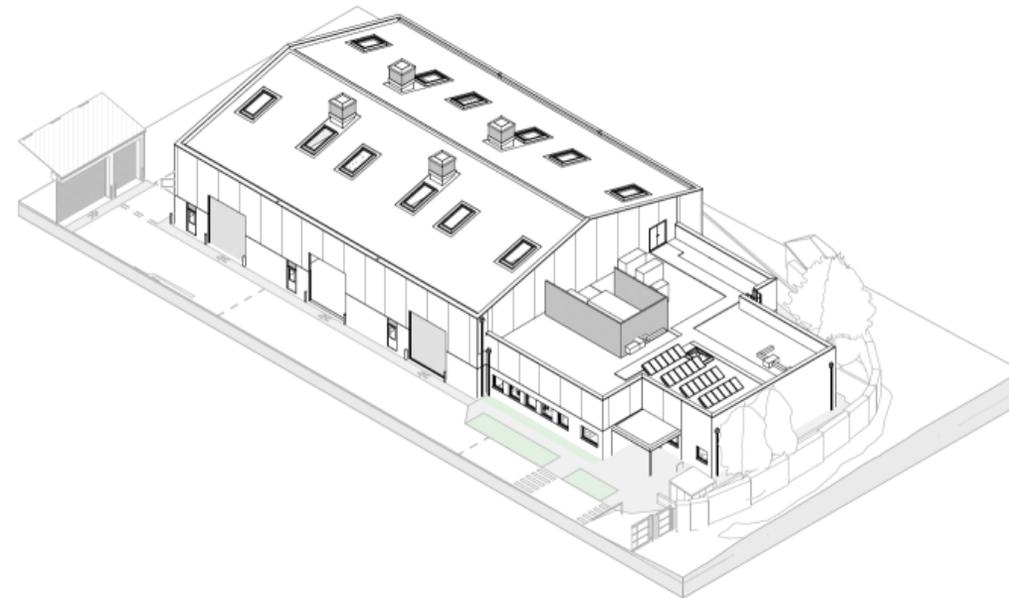


# Depot – New Offices & Workshops

Demolition of the entire site, to create a new Depot facility, which will free up a third of the site for future development. The following sustainable measures will be included:

- Green roof, providing thermal insulation.
- Air source heat pump.
- Installation of PVs on roof.
- EV charging points.

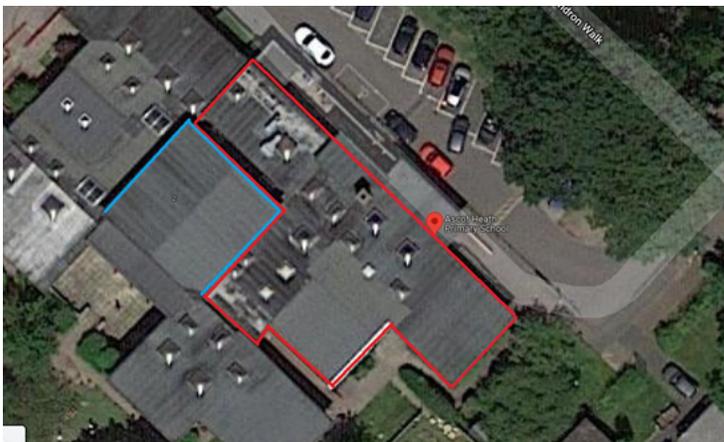
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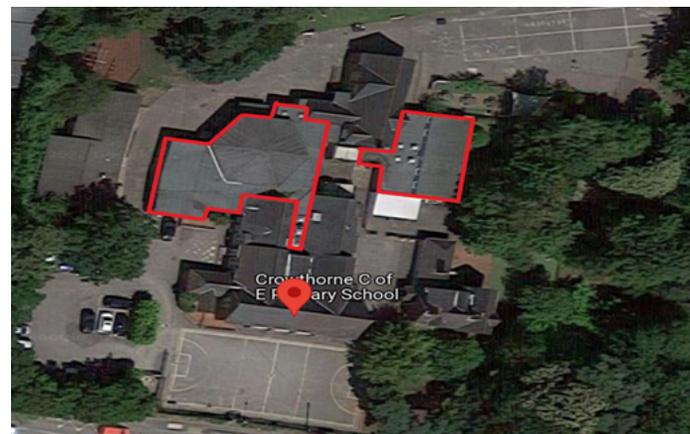


# Schools 22/23 Energy Improvements – Future Projects

Ascot Heath Primary School – new flat roof \*



Crowthorne C of E VC Primary – new flat roof \*



\* all red sections only

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All roof works will improve insulation to latest Building Regulation standards and reduce energy consumption.

New Scotland Primary School – Oil to Gas Boiler conversion.

Wooden Hill – Pitched roof replacement – Phase 2.

Meadow Vale – Pitched roof replacement.

All works to be completed by end of August 2022.

# Questions?

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