

CABINET AGENDA



TUESDAY 19 MAY 2020 AT 6.30 PM

* This meeting of Cabinet will be held remotely via the Microsoft Teams application.
Should any members of the public wish to join this meeting, please contact the
Assistant Director (Corporate & Contracted Services) at member.support@dacorum.gov.uk by
5pm on Friday 15th May.

The Councillors listed below are requested to attend the above meeting, on the day and at the time and place stated, to consider the business set out in this agenda.

Membership

Councillor Williams (Leader)
Councillor Griffiths (Deputy Leader)
Councillor Elliot

Councillor G Sutton
Councillor Anderson
Councillor Banks

For further information, please contact Corporate and Democratic Support or 01442 228209

AGENDA

- 9. CLIMATE CHANGE STRATEGY AND ACTION PLAN (Pages 2 - 114)**

Agenda Item 9



Report for:	Cabinet
Date of meeting:	19 May 2020
Part:	1
If Part II, reason:	

Title of report:	Climate Change Emergency Strategy and Action Plan
Contact:	Councillor Andrew Williams, Leader and Portfolio Holder for Climate Emergency Author/Responsible Officer – Mark Gaynor, Corporate Director Housing and Regeneration
Purpose of report:	The purpose of this report is to set out the approach and direction of the Council's Climate Emergency Strategy and Action Plan to work to deliver the Council's pledge to ensure that the Council is carbon neutral in its impact through its services and assets by 2030.
Recommendations	<ol style="list-style-type: none">1. That the approach to the development and delivery of the Climate Emergency Strategy and Action plan as set out in the report be provisionally approved subject to consideration of the comments and feedback from the June Strategic Planning and Environment Overview and Scrutiny Committee and, on the housing elements, the June Housing and Community Overview and Scrutiny Committee. That a further report be made to Cabinet in June 2020 to formally consider the views of the Overview and Scrutiny Committees.2. That the Climate Emergency Statement in Appendix 4 be approved3. That Cabinet recommend Council create a budget for the Climate Emergency of £75,000 in 2020/21 and authority be delegated for its expenditure be made to the Corporate Director Housing and Regeneration and the Assistant Director Corporate and Contracted Services in consultation with the Leader be approved4. That an annual review of the progress of the Strategy and Action Plan be made to Cabinet each year and an update be provided to Cabinet in September 2020 on initial progress5. That a training and development programme for both staff and Members be delivered in 2020/21

	6. That a 'Climate Emergency impact statement' be incorporated into Cabinet and Overview and Scrutiny reports
Period for post policy/project review	The Strategy and Action Plan will ultimately be reviewed in 2030 but it is proposed that there should be an annual 'state of the environment' report made to Cabinet and Council setting out the progress made in the previous 12 months and measured against the baseline carbon dioxide and greenhouse gas position together with the specific targets and actions for the forthcoming year. In addition there will be periodic reporting to both Cabinet and the Strategic Planning and Environment Overview and Scrutiny Committee.
Corporate objectives:	<p>The Council's Climate Change Strategy and Action Plan will help to support all 5 corporate objectives:</p> <ul style="list-style-type: none"> • <i>Safe and clean environment:</i> e.g. contains actions relating to the quality of existing environments and design and layout of new development that promote security and safe access; • <i>Community Capacity:</i> e.g. provide a framework for local communities to be better informed and involved in climate emergency mitigation.; • <i>New and Affordable housing:</i> through both direct delivery and setting improved sustainability requirements in new homes would help to reduce both the cost of energy and water and the carbon dioxide (CO2) emissions the homes would produce; • <i>Dacorum delivers:</i> fulfilling the zero carbon pledge will make a huge contribution to local sustainability and assist in the national target to reach zero carbon as a nation by 2050; • <i>Regeneration:</i> the strategy and action plan will provide improvements to air quality, biodiversity, opportunities for cycling and walking as well as major economic potential for 'green' businesses.
Implications: 'Value for money' implications	<p><u>Financial</u></p> <p>The financial implications of achieving the strategy are not as yet fully costed but will be factored in to the Medium Term Financial Strategy and subsequent budgeting. Some areas will procure and use alternative products, materials and services which may be more expensive, others adapt ways of operating, and for others such as the regulatory services the cost will fall to the private sector. One clear factor is that failure to act will have both financial and societal impacts which will be far more damaging and expensive.</p> <p>Other than the salary costs of the Climate Change Officer there is currently no specific budget for the Climate</p>

	<p>Emergency and this report recommends that a budget be established to cover the initial costs of putting the Strategy and Action plan, together with establishing a credible and informative site on the Council's website.</p> <p><u>Value for money</u></p> <p>The aim of the Climate Emergency Strategy and Action Plan is to reduce the carbon footprint of the Council's activities and whilst in procurement the Council will seek value for money through intelligent procurement and tendering a critical part of the value for money assessment must be the degree to which the expenditure acts to reduce net CO2 and other greenhouse emissions</p>
Risk implications	A Risk Assessment will be completed in the next three months and reviewed as part of the annual review
Community Impact Assessment	A full community impact assessment will be carried in the next three months as the Strategy and Action Plan develop further.
Health and safety Implications	Failure to act on the climate emergency would be damaging to the health and safety of all who work and live in the Borough. Action is required to mitigate the impact of our changing climate and day to day weather – flooding, drought, excessive temperatures and so on. There would also be severe impacts on air quality, ecological well-being and overall quality of life
Monitoring Officer/ S.151 Officer Comments	<p>The Strategy and Action Plan will require continual review against the baseline data in order to measure the effectiveness of the agreed actions.</p> <p>S151 Officer</p> <p>The recommended £75k budget can be funded through draw down from the Climate Change and Sustainability Reserve.</p> <p>Whilst the Council remains ambitious in the delivery of its Climate Change Action Plan, it should be acknowledged that there may be occasions when financial restrictions prevent the implementation of desirable service changes in the future.</p> <p>Future recommendations to Members will need to be presented within the context of the Council's broader financial position in order to support evidence-based decision-making.</p>
Consultees:	The Association for Public Service Excellence Bill Buckley Interim Assistant Director Neighbourhood Delivery
Background papers:	N/A

Glossary of acronyms and any other abbreviations used in this report:	CO2 Carbon Dioxide APSE Association for Public Service Excellence HRA Housing Revenue Account CSG Clean Green and Safe MTFS Medium Term Financial Strategy EPC Energy Performance Certificate PV Solar Photovoltaics BREEAM Building Research Establishment Environmental Assessment Method PSH Private Sector Housing PRS Private Rented Sector HMO House in Multiple Occupation CAVAT Capital Asset Valuation of Amenity Trees AQAP Air Quality Action Plan AQMA Air Quality Management Area LDS Local Development Scheme (Local Plan) LGA Local Government Association DCN District Council Network
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Climate Change Emergency

Executive Summary

This report sets out the proposed approach for the Council to meet the challenge of the pledge to ensure that the Council, through its assets, services, procurement, investment and policies is zero carbon by 2030. It sets out how the strategy will operate – based on evidence and analysis of what works and what doesn’t – and the broad shape of a preliminary action plan. It needs to be clear that this will evolve and adapt over time and take account of both the outcome of our interventions and external changes, for example in government policy. Consequently it will be important to monitor how it is progressing including an annual review.

The report also stress that the Council has been working on resource efficiency measures for many years and that we are not starting from scratch and examples are set out in the report. Notwithstanding this the challenge will take the full focus of the Council and recognition that this is among its’ top priorities for the forthcoming future.

We are working together with the Association for Public Service Excellence (APSE) and their specialist energy consultancy to help guide and develop the Council’s approach which will include training and development for both staff and Members. We will have access to best practice and what has been proven to work.

This report provides a platform for both ongoing and future work and proposes an approach which ensures that is capable of changing as the challenges themselves evolve. It is a fairly lengthy report but its intention is to set out as complete a picture of challenges and potential actions as possible on the Climate Emergency.

There are three categories under which emissions are grouped of which Scopes 1 and 2 are under the direct control of the Council:

Scope One is where the emissions are directly as a result of the councils' assets or service delivery which are completely under its control

Scope Two are emissions the result from the purchase of elements such as gas and electricity where there is limited or no control that the Council can employ

Scope Three are the emissions that are not under the Council's direct control. These result from the activities of the tenants and lessees of Council owned facilities (Council housing, sports centres, commercial assets). As the Council owns over 10,000 Council houses and flats it is unsurprising that this form the vast majority of emissions.

Many local authorities only include scopes one and two as being applicable to the pledge to be carbon neutral by 2030 (on the grounds that these are under the direct control of the Council), and accept that scope three may take longer to be carbon neutral as the solutions to moving away from gas heating are not yet available and that the Council cannot direct the actions of the users. It is recommended that this definition be adopted but that action to reduce emissions from scope three continue to be aggressively pursued and achieved in line with the national target of 2050.

As the report had been promised for the May Cabinet Committee. Due to the receipt of the APSE carbon footprint report not being available in time to allow prior scrutiny it is recommended that, prior to approval of the Strategy and Action Plan approach, that the report is referred, for comments and feedback, to the Strategic Planning and Environment OSC and, for the housing elements, to the Housing and Communities OSC both of with are prior to June Cabinet.

1 Background

- 1.1 The purpose of this report is to set out the approach and direction of the Council's Strategy and Action Plan to work to deliver the Council's pledge to ensure that the Council is carbon neutral in its impact through its services and assets by 2030. Alongside this will be the contribution the Council can make to help deliver the government's policy commitment to the whole United Kingdom is carbon neutral by 2050. It should be stressed that both these targets will be difficult to achieve but are essential in order to reduce the possible impact arising from a warming planet and the life-threatening climate, ecological and physical changes this will bring. **The Council's pledge, attached as Appendix Two**, will require the actions required to be a high priority over the next ten years and beyond and a range of key changes from central government will be required to achieve the national target of zero carbon as a nation by 2050.
- 1.2 Whilst the Council's pledge has a focus on the impact of the Council itself as the body that we have the ability to deliver change directly the overall aim is to work towards the whole Borough is carbon neutral by 2050 as part of the government's strategic aim. Consequently many actions will, quite rightly, be geared towards this goal though over a longer period.

There is no 'quick fix' to tackling the Climate Emergency and we are in for the long haul.

- 1.3 The local community will inevitably see the position as relating to the whole Borough and the progress being made Boroughwide as hugely important. This will be part of a longer term strategy, linked to the national target, which will require both local and national action. It is suggested that this is treated as an integral part of the Strategy.
- 1.4 The whole country is currently in the middle of a health crisis not seen for generations and there is a danger that economic priorities will overshadow the essential actions desperately needed to meet the Climate Emergency. There is an opportunity to link economic recovery in a way that has a focus on the degree to which it takes advantage of the market potential in sustainable development. There is also the probability that people will have begun to appreciate the importance of changing our priorities to be more focused on the quality of the living and working environment in which we live.

2 The Climate Emergency

- 2.1 It is now widely accepted, and backed up by incontrovertible scientific evidence, that human activities – in particular the use of fossil fuels – is leading to climate and ecological change that threaten human life. This report does not detail the science – **a summary from the United Nations is can be found at <https://www.un.org/en/sections/issues-depth/climate-change/>** – and accepts that, worldwide, temperature rises must be limited to 1.5C. This will require radical action by national and local governments, businesses, communities and individuals across the world.
- 2.2 The Council recognises that the quality of a local environment is a vital ingredient in contributing to the quality of life for residents and visitors to our Borough. It also recognises that by improving the local environment this will make a contribution to related goals, such as improved health, better social cohesion and economic prosperity. The Council accepts that to adjust this footprint to a sustainable level will require a considerable effort not only by its and environmentally conscious organisations, but also by people and organisations not yet engaged with this challenge.

3 The Challenge for the Council

- 3.1 The Council has agreed that it 'Join other councils at all levels of Local Government in declaring a climate emergency that requires urgent planning and action'. It commits to work towards reducing carbon emissions across the full range of council activities to net zero by the end of budget year 2029/30. This will include the production of a strategy and action plan to make the activities of Dacorum Borough Council carbon neutral by 2030 in accordance with the recommendation'.
- 3.2 This is an extremely challenging target and in some areas. For example ensuring our Council Housing stock becomes carbon neutral carries an estimated cost of £200M (figures drawn from an industry average

assessment of costs per property for zero carbon to be achieved). It would be of assistance if the government allowed Council's to fund Climate Emergency action through modest increases in rent above the current formula to reflect the improvements. The Council could choose to reapportion its capital investment away from new build but it would not be possible to deliver this scale of major works to over 1000 properties per year to deliver zero carbon by 2030 - firstly because the solutions to move away from gas based heating in an efficient way are not available and unlikely to be for many years, and secondly the logistics of this scale of work would be hugely problematic from a labour and supply chain perspective.

- 3.3 As noted above there will be a strong desire from our communities that the Council takes a lead in focusing and supporting local action in changing behaviours and contributing to the achievement of a zero carbon Borough by 2050 in line with the national target.

4 Delivering the Strategy, Action Plan and results.

- 4.1 It is very important to state that the work on acting to challenge the causes of Climate Change did not start with this declaration and the Council has been active for many years. The Council has been working on action to improve the sustainability and resource efficiency of its services and assets for some time and examples are set out at **Appendix Three** In drawing up a Strategy and Action Plan it is essential to establish the areas in which the Council can act and then determine the areas to focus on and when. These include:

- 4.2 The Council's possible areas for action are very wide and include (but are not limited to):

- As a service provider
- As a procurer of goods and services
- As a policy maker and enforcer of regulation and statute
- As the prime Community Leader for the Borough using powers of communication and information provision and leading by example through direct action and as a conduit for the community to access support and funding from government projects and agencies for resource efficiency improvements
- As a creator and participant in the creation of partnerships capable of working more effectively together to make practical progress
- As a landowner and potential investor
- As a lobbyist for change at national level and from the private sector.

- 4.3 These areas will all feature in the Action Plan. It will be important, however, not to overpromise as it will be crucial that the Council is seen to deliver on its commitments.

- 4.4 The following actions have already been taken (in addition to the **progress already made, set out in Appendix Three**):

- We have commissioned the Association of Public Excellence (APSE) through its specialist energy team to carry out a baseline assessment

of the Council's carbon footprint. The initial results are set out below. This baseline is essential to help direct future action and priorities. APSE are also in the process of carrying out the equivalent assessment on the Council Housing stock.

- Whilst the motion agreed at Council in the summer is a clear statement of intent it is not the most user friendly for public consumption. **A shorter statement is proposed and set out as Appendix Four.**
- The Climate Emergency response is led at Officer level by the Corporate Director Housing and Regeneration. The Corporate Sustainability Working Group has been reshaped into the Corporate Climate Emergency and Sustainability Working Group This is composed largely of the Group Managers of the services that will be most active in the action required plus the Climate Change and Sustainability Officer (once appointed – see below) and staff with specialist skills. The previous working group will continue with changed terms of reference.
- Interviews for the Climate Change and Sustainability officer post will take place next week.
- The Housing Service commissioned Dr Peter Rickaby (Energy and Sustainability Consultant) to facilitate a workshop for Housing and Planning staff on moving to zero carbon housing (both new build and retrofit). This is assisting in delivering the action to be taken in both areas Staff have been working on a draft action plan which will be refined to take account of the detail of the carbon footprint and subject to feasibility.
- A tree planting programme will be delivered in 2020 onwards with an initial target of 4200. The aim is to complement this through requiring tree planting where new homes are built, and achievement of the required sustainability and environment improvement through the Local Plan.
- Work is underway regarding the installation of additional Electric Vehicle (EV) charging points in Council Car Parks.

4.4 It will be important that the Council ensures that the Climate Emergency is considered in all that it does. It will feature in the Service Plan for each service and it is recommended that all reports to Cabinet and those to Overview and Scrutiny setting out draft policies/strategies, service proposals and significant change have to be accompanied by a section setting out the Climate Emergency Implications. On this latter point, it is clear that this will affect some services more than others and there will be instances where there are no climate emergency implications though this will have to be justified.

4.5 Whilst action on the Climate Emergency will continue and move forward through the initial Action Plan (below) it is important that the overall Strategy is developed taking account of best practice. We have commissioned APSE Energy to work with us on developing and refining the Strategy as we move forward. This has included:

- Completion of our carbon footprint and ability to monitor this moving forward (there are still elements such as our Council Housing stock to

be completely finished) and a means to measure the likely impacts of interventions going forward

- A training and development programme for staff and Members over the next few months which will include interviews and workshops
- Assisting us to be aware of best practice and interventions which have already been tried and tested that may be applicable to us
- Advising us on effective partnership working which is still relatively undeveloped with respect of

It is recommended that a training and development programme is put in place as quickly as conditions allow taking account of the Covid 19 emergency.

- 4.6 There is currently is no specific budget for dealing with Climate Change other than the salary budget for the Climate Change and Sustainability Officer. Moving forward, the Climate Emergency will be an integral part of service planning in terms of identifying the most appropriate means of service delivery. Although in many cases this may be delivered without a direct financial impact to the Council, there is likely to be a budgetary impact in future years. In 2020/21 it is anticipated that there will be expenditure on the support received from APSE Energy, on developing ongoing monitoring capacity, technical studies required to support the Strategy and the creation of a credible and informative web presence for the community and businesses. There may also be expenditure on encouraging community action. It is proposed that a budget of £75,000 be made available in 2020/21 to fund such one-off actions that are required. It is further recommended that authority is delegated to the Corporate Director Housing and Regeneration or the Assistant Director Corporate and Contracted Services in consultation with the Leader to authorise expenditure from this proposed budget.

5 Developing the Strategy and Action Plan

- 5.1 The approach is to collect the appropriate evidence to ensure that the solutions that are adopted are addressing the areas of major CO2 emissions resulting from Council activity.
- 5.2 It is vital in drawing up a strategy and action plan to deliver it that we ensure that actions are evidence based. It will be important that we collect all of the evidence we need in the first instance. This requires an approach that is sequential:
- Obtain a clear baseline of the Council's greenhouse gas emissions and carbon footprint from its service activity, its buildings, its contractors and a means to accurately monitor this going forward. We have commissioned APSE Energy to carry out this exercise for all three Scopes (Scope 1 and 2 being what the Council produces directly (e.g. Buildings and fleet) and Scope 3 emissions from 3rd parties where the Council are not fully in control but have influence such as contractors). Initial results are set out below. This does not yet include the Housing Revenue Account (HRA) stock where the information is still being collected.

- Implement an interactive training and development programme for key staff and Members to help shape the Strategy and influence the action plan.
- From here we can further develop the action plan to accompany the overall Strategy (the essence of which is described in this update)
- The areas of intervention which are more of a regulatory, procurement, information or community based are not so dependent on the footprint and these can be progressed immediately (indeed many are already well developed such as in the Local Plan).
- It is apparent from the draft action plan (see below) that many potential direct interventions will require further work to determine what needs to be done, the capacity issues and in most cases resource identification. The plan set out below is not, therefore, the definitive action plan but an indication of the areas most likely to appear. It will need a guidance from Cabinet as to the pace and scale of investment we are prepared to make. Dealing with the Scope 3 emissions (Contractors and outside operators of Council owned facilities etc.) will have to be achieved through procurement and by negotiation.
- The delivery will in parts be complex - an example being the desire to act quickly to retro-fit our council housing to improve energy efficiency. The approach must be 'fabric first' and solutions tailored to the specific construction type and action commenced on the lowest performing stock. This is particularly the case with the numerous different 'non-traditional' construction stock. The exercise to determine the CO2 emissions in the stock will almost certainly highlight the use of gas boiler central heating as the No1 cause of emissions. There is currently no effective/affordable alternative that could be quickly put in place. Clean Safe and Green (CSG) have a comparable challenge into moving the fleet to non-fossil fuel based.
- When it comes to the 'Business Case' consideration of potential actions we will need a fresh approach in that the purpose of the intervention – to reduce greenhouse gas and CO2 emissions – may not have a financial benefit (in fact probably won't). Logically it will have to be more of a Value (i.e. carbon reduction impact) for Money assessment.

5.2 For our built assets (which will almost certainly form the bulk of the Councils emissions) the approach being taken is 'fabric first' where the retrofitting solution will be dependent on the property type. There is no 'one size fits all'. For our Council Housing (other than the new build programme which will ensure the highest achievable standards) Either way it will require the most comprehensive improvement programme the Council has ever undertaken and would take much longer than 10 years. A similar exercise will need to be carried out on our General Fund assets though the lease conditions on these are very different from HRA tenancies in that more repair responsibilities often fall to the lessees.

5.3 Other areas will not require this level of complexity and some, such as the Local Plan, are already underway.

5.4 Set out below is a schedule of possible action areas that are being be further developed and evaluated many of which will be part of the long

term action plan. This has been based on current knowledge and in anticipation of the detail of our carbon footprint and the action plan will be refined accordingly.

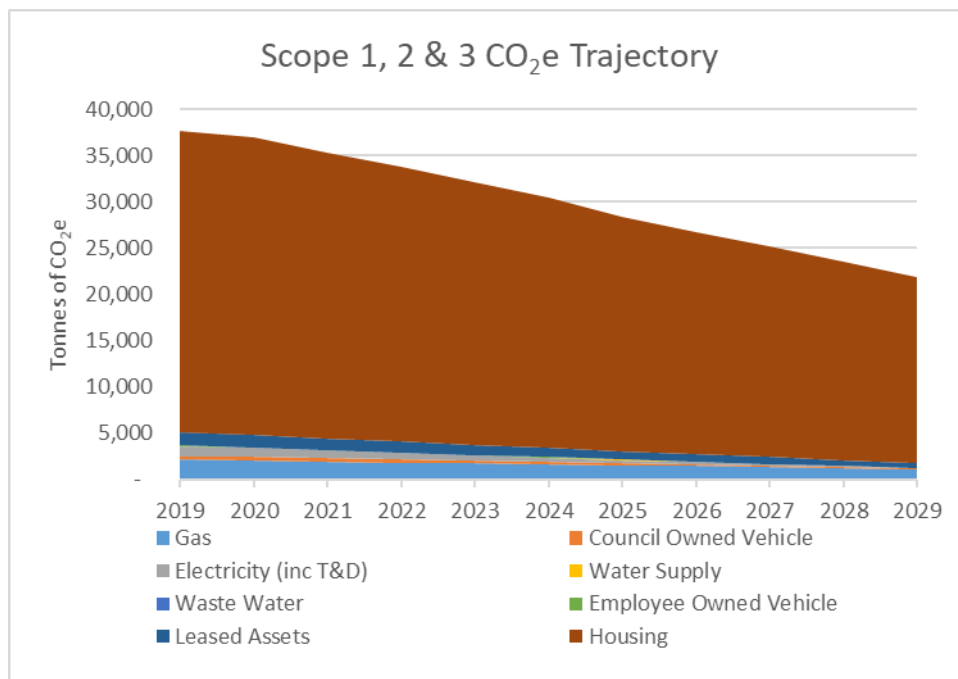
- 5.5 The Council will have, in addition to funding the Climate Change Officer, included a £300K reserve in the 2020/21 budget which can be used to fund the £75k budget within the recommendation of this report, as well to assist feasibility and any projects that become ready to go during the year. In addition, climate change will be a fundamental consideration within future service plans with the financial implications reflected in future iterations of the MTFS.
- 5.6 The Strategy and Action Plan will be refined and more fully developed following the training and development for staff and Members together with the completed footprint analysis – this is almost complete but there are some areas where information is still to be finalised and analysed.

6 The Council’s Carbon Footprint APSE Report.

Executive Summary

The 2019 baseline carbon emissions from Scope 1, 2 and 3 emissions within Dacorum Borough Council’s own operations are 37,625 tCO₂e. It is estimated that a financial budget of £13.9 million is required to reach net zero carbon for Scope 1 and 2 emissions (as currently calculated) by being more energy efficient in buildings, generating power and moving towards electric vehicles. It is estimated that these initiatives will financially benefit the Council by £788.5k annually by 2030. It is estimated that there will be 21,919 tCO₂e from hard to reduce sources from Scope 1, 2 and 3 emissions that will be unavoidable by 2030 that will need to be offset.

Chart 1. Chart showing projection of carbon emissions of the Councils Scope 1, 2 and 3 emissions



However, it should be noted that this does not account for all emissions released through Council operations as issues arose with the collection of data. As an example, data was not available to calculate emissions from sectors such as waste and purchased goods in the supply chain. This is not surprising, as no local authorities have been required to collect and keep this extent of data previously. However the Council should aspire to collect as much data as it can on the principle that 'what is measured, can be managed.' The Council has indicated that it will focus on data moving forwards and so the picture will become more comprehensive and it is also expected that total emissions will increase as access to this data improves.

It is important to understand that this exercise is based on data which may not be comprehensive and so will have an impact on the results. It is to be expected that there will be a margin of error in the calculations. The appendices provide a significant amount of information about the Council's entire estate. Detailed feasibility studies will highlight actual emissions reductions and savings which can be made and we suggest this is part of the Council's ongoing approach.

The full report is at Appendix One

7 Commitment required from Government and Business

7.1 The ability of the Council to deliver its Climate Emergency objectives will be impacted by a number of factors which need to be borne in mind but ultimately are beyond its control. All of these can be overcome but this will take an unprecedented commitment from central government and a huge shift in the businesses involved in providing the new solutions. Two of these are set out below:

7.2 Electricity Supply.

The move away from petrol and diesel vehicles currently presumes that they will be replaced by electric powered ones. There are various estimates as to the impact on demand on the grid but most agree that it would need to double its capacity. Many other solutions will require additional electricity (e.g. heat pumps, ventilation of homes that are retrofitted). This will be an enormous task. Other solutions will be needed such as the use of hydrogen to replace the current gas powered energy. The government is piloting schemes already but it will take time to fully develop to meet demand in this way. There are further resource issues arising from the requirement for rare and finite metals in current battery provision for vehicles and storage. It seems logical that there is a shift to walking, cycling and sustainable public transport to drastically reduce car usage and current policy aims for this. This too will require major public investment.

7.3 Business and Skills capacity

The current capacity of the installers and manufacturers is set around existing demand. Consequently some 1.7M boilers are replaced each year. There are 23M homes connected to the gas grid. Achieving the

switchover as quickly as needed will need a workable solution (again hydrogen gas is the most likely) and expansion of supply chains. Heat pumps are also seen as a credible alternative but currently the national capacity of installers is around 21,000 per year. Both production and installation capacity will quickly have to increase. The same will apply to retrofitting existing homes. The labour and skills needed will require proper investment from both government and businesses.

- Appendix 1 APSE report on Carbon footprint (with appendices A and B)
- Appendix 2 Council Climate Emergency Declaration
- Appendix 3 Progress made by DBC to date
- Appendix 4 Climate Emergency Statement

DRAFT ACTION PLAN: CLIMATE EMERGENCY

KEY: **U/I Underway**
S Short Term 6-12 months
M Medium Term 1-3 years
L Long Term 3+ years
O Ongoing

Theme: Service Delivery – Built assets					
Action	Start	Finish	Service(s)	Constraints	Comment
New Build homes – establish clear standards to achieve excellent levels of resource efficiency and as close to zero carbon as possible	I/S	O	Housing	Cost, Availability of skilled labour	This work is already underway
Retrofit existing Council stock to reach Energy Performance Certificate (EPC) B where practicable and remove reliance on fossil fuels. To use a 'fabric first' approach to ensure that the improvements are what is required. Establish clear programme and specification(s) dependent on property type.	MT	LT	Housing	Cost (initial estimate £200 - 250M), alternative heat source availability, capacity of construction industry, skilled labour	Will commence once carbon footprint complete and matched with stock condition information.
Conduct business case on the installation of Solar Photovoltaics (PV) on Council properties	ST	LT	Housing, Estates	Resolving complications in Housing as a result of Right to Buy.	
Retrofit General Fund buildings (dwellings, community buildings, commercial property) and work with Everyone Active on Sports Centres	MT	LT	Estates	Cost alternative heat source availability, capacity of construction industry, skilled labour	Will commence once carbon footprint complete and matched with stock condition information and feasibility study done
Focusing on constructing for the future ensure the use of more reliable and environmentally friendly materials and by improving understanding of embedded carbon and the ability of materials to be recycled.	I/S	O	Housing, Estates	Marginal cost increase	This is already the case in new build council housing
New building construction projects to meet BREEAM Excellent or equivalent	MT	O	Appropriate service	Marginal cost increase	
Continue to refer qualifying private households for	I	O	Housing	Will require a new Green	Would require some

Theme: Service Delivery – Built assets					
Action	Start	Finish	Service(s)	Constraints	Comment
Energy Company funded energy efficiency measures with the aim of all fuel poor households having a minimum of an EPC energy rating of “C” by 2030.			PSH	Deal from the government to be of sufficient scale.	additional staff resource if new Green Deal put in place
Ensure Minimum Energy Efficiency Standards are met in the Private Rented Sector. The current Minimum EPC rating is an “E” and this is likely to rise to a “D” by 2025 and a “C” by 2030.	M	○	Housing PSH/PRS	Will be met with some resistance from some landlords,	Will require additional staff resource if this is to extend beyond HMOs

Theme: Service Delivery – Environment					
Action	Start	Finish	Service(s)	Constraints	Comment
Increase number of trees, plants and flowers throughout the borough in line with suggestions and actions from the government’s 25 environmental year plan. Create more woodland and plant an ambitious number of trees – ensure species chosen are suitable for biodiversity as well as mitigating climate change. (Roll out of planting 4200 trees over next 5 years in parks across the Borough)	S/T	○	CSG		Tree planting already planned and to start in Autumn 2020 Tree planting could involve the local community in due course
Identify land and create more community orchards and gardens (planting trees, providing local seasonal food, more volunteer and health and wellbeing opportunities, opportunities for wildlife). Identify whether any land can be provided for more allotments	M/T	○	CSG, Planning, Estates	Availability of suitable sites	Elements are encouraged and in respect of trees already in existing local plan and strengthened in developing local plan
Identify tree survey software (tree survey & CAVAT survey) for the assessment of carbon	S/T		CSG		Work in progress and underway.

Theme: Service Delivery – Environment					
Action	Start	Finish	Service(s)	Constraints	Comment
storage, sequestration, replacement value, and air pollution removal is possible, allowing the benchmarking of existing tree populations, the planning of tree management and planting to meet future targets.					Work on the overall carbon dioxide reduction and carbon sequestration impact of trees in the Borough will need an external study
A programme of bio-diversity initiatives: Review the grass cutting regime and identify areas which can be left to grow longer to increase wildlife biodiversity; Ensure that Clean Safe Green use only peat-free or peat reduced compost; and Consider making available subsidised seeds for residents to grow in their gardens for species which would be good for increasing biodiversity and reducing food miles.	S and M/T	○	CSG	Modest increase in cost	
Encourage all businesses and large organisations in Dacorum to recycle their food waste and work to reduce food waste. Improve and increase the commercial waste recycling and roll out to more businesses.	M/T	○	CSG	Will require business case to be developed (Hemel Ambassadors). May require site for anaerobic digestion waste to power unit.	Hemel Ambassadors Green Forum working to sign up businesses on Maylands to join in a waste food collection and waste to power initiative.
Pilot and evaluate the operation of electric / hybrid small car/van on the Council's fleet and the operation of electric / hybrid refuse freighters, when available, on the Council's waste collection fleet.	S/T M/T	M	CSG	Cost of vehicles will substantially increase. The effectiveness of refuse freighters far from proven.	Pilot 20/21 smaller vehicles (van) Pilot freighter as soon as available (2022/23)?
Seek approval and sign off for the Air Quality	S/T	○	Environmental	Success of the AQAP hugely	Work already underway to

Theme: Service Delivery – Environment					
Action	Start	Finish	Service(s)	Constraints	Comment
<p>Action Plan 2018-2024 and monitor progress by direct action or influencing Hertfordshire County Council (HCC). (Actions are covered within other section of this plan relating to AQAP.)</p> <p>Investigate and evaluate the feasibility for a Clean Air Zone for Hemel Hempstead study specifically the two waters area to include AQMA London road and AQMA Lawn lane.</p>	S/T		<p>Health</p> <p>Environmental Health/Strategic Planning</p>	dependent on government action on reducing transport CO2 emissions and provision of sustainable transport alternatives.	<p>commence once ongoing studies evaluated.</p> <p>Work underway</p>

Theme: Service Delivery						
Action	Start	Finish	Service(s)	Constraints	Comment	
Enable more remote working in the field with mobile connectivity and simplified reporting procedures, reducing the need for officer travel to and from the office.	ST	ST	Improvement. ICT		Underway	
Raise awareness and understanding of Climate Change with Members and Officers within the Authority and how the Council can make a difference	I/ST	○	Climate Change Officer, Members Support		Can be achieved with APSE Energy	
Develop and upskill managers and officers through learning opportunities for environmental management training, leadership and delivery. Introduce courses and qualifications within the corporate development plans.	I/ST	○	All relevant services		Can be achieved with APSE Energy	
Promoting sustainable travel and discouraging the use of single car journeys by employees through development of green travel plans for main buildings (AQAP)	ST	○	Corporate and contracted services		Plan for the Forum underway	

Theme: Procurement of goods and services					
Action	Start	Finish	Service(s)	Constraints	Comment
Update procurement policy which includes service purchases/items which places more emphasis on: <ul style="list-style-type: none"> i) the environmental aspects and potential of the Social Value Act. ii) those which are delivered using a significant percentage of recycled materials – e.g. sacks, bins, etc. including criteria for evaluating bids which include whole life costs	ST		Corporate Procurement Services	Cost	Policy already includes some consideration of these requirements
Switch to renewable energy suppliers for the Authority	S/T	S/T	Corporate Procurement, Services	Possible cost increase	Underway on conclusion of existing contracts.
Focusing on constructing for the future ensure the use of more reliable and environmentally friendly materials and by improving understanding of embedded carbon and the ability of materials to be recycled.	ST		Corporate Procurement. Services	Cost increase	

Theme: Policy maker and enforcer of regulation and statute					
Action	Start	Finish	Service(s)	Constraints	Comment
Ensure Climate change is a key objective of the new Local Plan for the Borough to 2036.	I	As per LDS	Strategic Planning	National Policy	Already being incorporated
Ensure new planning policies to guide and shape the content of major new developments shall incorporate requirements for: <ul style="list-style-type: none"> i. energy performance in new homes and buildings beyond Building Regulation requirements and ii. provide for local energy generation. 	I	AS per LDS	Strategic Planning	National Policy	Already being incorporated but limited by national policy
The Authority through Hemel Garden Communities,	I	M/LT	Strategic	Will require substantial	Already underway

Theme: Policy maker and enforcer of regulation and statute					
Action	Start	Finish	Service(s)	Constraints	Comment
plans to achieve a substantial modal shift in transport use away from the car, working with the programme's partners. This will include : i. priority on the transport network for public transport ii. a network of high quality and attractive walking and cycling routes iii. enabling new and emerging forms of sustainable transport to be accommodated such as demand responsive services.			Planning	infrastructure investment - part of the County Growth bid and strong partnership locally and with national agencies	in terms of technical studies and partnership working.
Enable the provision of community gardens and allotments through major new developments to promote local food production and reduced food miles.	I	○	Strategic Planning	National Policy	Insofar as national policy allows
Require high quality wildlife corridors through new development sites.	I	○	Strategic Planning		Included already
Ensure planning conditions require the replacement of any trees lost through development with at least three new trees, either on site or in a new location.	I	As per LDS	Strategic Planning		Included already
Explore with major developers the potential for local energy generation through combined heat and power and/or district heating schemes.	I	○	Strategic Planning	Willingness of developers to co-operate	Included already
Improve cycle routes throughout the borough to reduce green-house gas emissions.	I	○	Strategic Planning		Included already
Develop planning guidance to mitigate the individual and cumulative impact of air quality from new development to sustain and contribute towards compliance with objectives for air pollutants (link to AQAP)	I	M	Strategic Planning Environmental Health		Will require an area specific SPD

Theme: Policy maker and enforcer of regulation and statute					
Action	Start	Finish	Service(s)	Constraints	Comment
Develop and introduce climate change awareness training for Taxis licenced drivers as part of criteria/conditions of obtaining a taxis license.	S	○	Licensing		
Investigate policy development to require all newly licensed vehicles (taxis) to be electric.	S		Licensing	This would have to be phased in over time as considerable investment will have already been made by individual drivers. Will be a national requirement for new vehicles post 2025	Would face resistance if brought in too quickly
Consider and develop a taxis licensing condition that drivers must not leave their car idling for longer than a minute. (Introduced by other LAs).	S	○	Licensing	Very difficult to enforce	
Consider a reduced vehicle license fees for more environmentally friendly vehicles.	S		Licensing	Legislation prevents a higher charge for vehicles that are not environmentally friendly so there would be a cost to the Council	
Promote green events to licensed event organisers as part of the licensing policy. Dacorum encourages event organisers to consider the impact of their events on climate change, and that the council supports the idea of 'green' events. (Although this condition cannot have an impact on any decision to grant or refuse a licence).	S	○	Licensing Promoting Service		
Finalise required studies and seek approval for the Air Quality Action Plan. Work with HCC on implementation.	S	○	Environmental Health	DBC has very limited direct powers on Air Quality – these rest with national government and HCC	
Carry out a feasibility study for a Workplace parking levy	M		Environmental Health Strategic	This is not currently specified within HCC's LTP4 and is not feasible for implementation at this	This is already highlighted as potential action in

Theme: Policy maker and enforcer of regulation and statute					
Action	Start	Finish	Service(s)	Constraints	Comment
			Planning	point. Would meet resistance from businesses	the AQAP.
Review Authority car parking charges and on-street parking and incentivise with lower tariffs for electric or low emission vehicles (AQAP	S		Parking Services		
Develop a EV charging infrastructure study / strategy (AQAP) including provision on authority owned sites car parks and cupid green	I	S	Parking Services		Underway

Theme: Working with the community					
Action	Start	Finish	Service(s)	Constraints	Comment
Develop a prominent on-line resource on Climate Change via the Council's website for the public, with a focus on what actions local people can take, with links to appropriate sites giving advice and information.	S	O	Climate Change Officer/working group/Comms	The work in all parts of this theme are staff intensive and considerably over and above current resources. Some elements will require one off specialist assistance but additional capacity will be required to fulfil the community outreach work. Possibly up to 2 FTE.	Would require additional ongoing funding
Create Climate Change FAQ's on the Councils website and develop interactive initiatives with residents e.g. donate a tree, public message board promotional campaigns etc.	S	O	Climate Change Officer/working group/Comms		
Develop a Communications Plan or campaign, based on the "be lean, be clean, be green" principles to provide education and support to encourage all residents and contractors to play their part in preventing Climate Change	S	O	Climate Change Officer/working group/Comms		

Theme: Working with the community					
Action	Start	Finish	Service(s)	Constraints	Comment
Create an information pack to inform all residents (not just DBC owned properties) how to make their homes more energy efficient.	S	M	Climate Change Officer/working group/Comms		
Consider facilitating a 'Climate Emergency Forum' bringing together local environmental groups and other interested parties	S	O	Climate Change Officer/working group/Comms		
Work alongside Herts Sustainability Forum and other local groups to raise awareness about what residents can do in their personal lives to reduce their impact on the environment	S	O	Climate Change Officer/working group/Comms		Already underway
Consider establishing a Climate Emergency Grant scheme to provide local groups with small grants to establish local initiatives	S	O	Climate Change Officer		

Theme: Creator and participant in partnerships to tackle the climate emergency[
Action	Start	Finish	Service(s)	Constraints	Comment
Work with the Hemel Ambassadors 'Going Green Forum'	I	<input type="radio"/>	Climate Change Officer, Services as projects arise		Already underway
Work with the Countywide Climate Change Group			Climate Change Officer, Services as projects arise		
Work with the Herts Sustainability Forum	I	<input type="radio"/>	Climate Change Officer, Services as projects arise		Already underway
Continue working with Herts IQ and the LEP on attracting environmental businesses to the Enterprise Zone	I	<input type="radio"/>	Corporate Director Housing & Regeneration		Already underway

Theme: Creator and participant in partnerships to tackle the climate emergency[
Action	Start	Finish	Service(s)	Constraints	Comment
Consider the feasibility of working jointly with businesses once government establishes a new 'Green Deal'.	M/LT	○	Likely to be Housing and Finance		May require additional staff capacity (possibly externally funded)

Theme: As investor and landowner					
Action	Start	Finish	Service(s)	Constraints	Comment
Create a strategy for effective carbon offsetting for any shortfall in becoming zero carbon	M	○	Finance, Strategic Planning, Carbon Change Officer		It will be important that the options selected can be monitored to ensure delivery
Identify whether any land can be provided for more allotments		○	CSG/Estates		
Identify land and create more community orchards and gardens (planting trees, providing local seasonal food, more volunteer and health and wellbeing opportunities, opportunities for wildlife).		○	CSG/Estates		
Consider the feasibility of investing in/developing sustainable local energy and the use of such investment as part of any carbon off-setting required	M		Carbon Change Officer, Finance, Strategic Planning		This would require a thoroughly prepared business case
Consider the purchase of agricultural land if required for additional tree planting	M		Estates		
Review Treasury Management Policy to ensure there is no direct or indirect funding in fossil fuels insofar as is possible	S		Finance		

Theme: As a lobbyist for change at national level and with the private sector					
Action	Start	Finish	Service(s)	Constraints	Comment
Working both individually and collectively with other Councils (including through LGA and DCN) and business for change at national government level on the key causes and	I	O	COG		

Theme: As a lobbyist for change at national level and with the private sector					
Action	Start	Finish	Service(s)	Constraints	Comment
involving our MPs in key issues.					

KEY: U/I Underway
 S Short Term 6-12 months
 M Medium Term 1-3 years
 L Long Term 3+ years
 O Ongoing



Dacorum Borough Council

Consultancy support – Establishing the Council's Carbon Footprint Trajectory to 2030

Report

Report produced on 7 May 2020



APSE (Association for Public Service Excellence) is a not for profit local government body working with over 300 councils throughout the UK. Promoting excellence in public services, APSE is the foremost specialist in local authority front line services, hosting a network for front line service providers in areas such as waste and refuse collection, parks and environmental services, leisure, school meals, cleaning, housing and building maintenance.

APSE Energy is APSE's local authority energy collaboration. The vision for the collaboration is to form an "effective collaboration of a large number of local authorities to enable and facilitate the local municipalisation of energy services. By this we mean the public and community, as well as private, ownership and managerial control of local energy generation, supply networks and delivery of energy efficiency works. Local authorities working together in this way would have great influence and would be able to deliver economies of scale in green energy to promote economic growth and combat fuel poverty.

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DACORUM BOROUGH COUNCIL

CONSULTANCY REPORT – ESTABLISHING THE COUNCIL’S CARBON FOOTPRINT TRAJECTORY TO 2030

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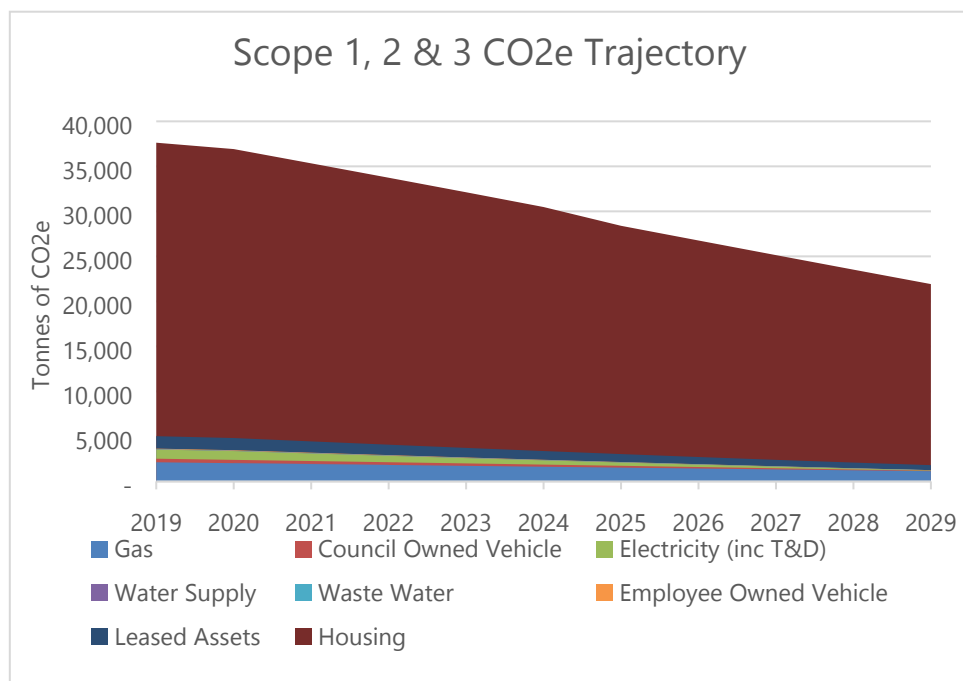
Executive Summary

The 2019 baseline carbon emissions from Scope 1, 2 and 3 emissions within Dacorum Borough Council’s own operations are 37,625 tCO₂e.

It is estimated that a financial budget of £13.9 million is required to reach net zero carbon for Scope 1 and 2 emissions (as currently calculated) by being more energy efficient in buildings, generating power and moving towards electric vehicles. It is estimated that these initiatives will financially benefit the Council by £788.5k annually by 2030.

It is estimated that there will be 21,919 tCO₂e from hard to reduce sources from Scope 1, 2 and 3 emissions that will be unavoidable by 2030 that will need to be offset.

Chart 1. Chart showing projection of carbon emissions of the Councils Scope 1, 2 and 3 emissions



However, it should be noted that this does not account for all emissions released through Council operations as issues arose with the collection of data. As an example, data was not available to calculate emissions from sectors such as waste and purchased goods in the supply chain. This is not surprising, as no local authorities have been required to collect and keep this extent of data previously. However the Council should aspire to collect as much data as it can on the principle that ‘what is measured, can be managed.’ The Council has indicated that it will focus on data moving forwards and so the picture will become more

comprehensive and it is also expected that total emissions will increase as access to this data improves.

It is important to understand that this exercise is based on data which may not be comprehensive and so will have an impact on the results. It is to be expected that there will be a margin of error in the calculations. The appendices provide a significant amount of information about the Council's entire estate. Detailed feasibility studies will highlight actual emissions reductions and savings which can be made and we suggest this is part of the Council's ongoing approach.

1 Introduction

This report provides the results of the carbon footprint calculations for Dacorum Borough Council which can be used to record the baseline emissions and a trajectory of future emissions in order to become net zero carbon by 2030. The carbon footprint calculations have been undertaken in accordance with best practise guidance by the Greenhouse Gas Protocol and carbon conversion factors published by the Department for Business, Energy & Industrial Strategy (BEIS).

The reporting baseline year is nominated as the calendar year of 2019. The carbon footprint is categorised into scopes, which cover:

Scope 1 (direct) emissions are from activities owned or controlled by the Council. Examples of Scope 1 emissions include emissions from combustion in council owned or controlled boilers, furnaces and vehicles.

Scope 2 (indirect) emissions are associated with purchased electricity, heat, steam and cooling. These indirect emissions are a consequence of the Council's energy use, but occur at sources that the Council does not own or control. Examples include grid supplied electricity and heat provided through a heat network.

Scope 3 (other indirect) emissions are a consequence of the Council's actions that occur at sources the Council does not own or control and are not classed as Scope 2 emissions. Examples of Scope 3 emissions include business travel by means not owned or controlled by the Council (grey fleet), leased assets, disposing of the Council's own waste and purchased goods in the supply chain, etc.

The carbon footprint has been calculated based on data provided by Dacorum Borough Council. Emissions included within Scope 1 and 2 essentially cover assets where the Council are responsible for paying the fuel bills. Based on the property addresses, it is assumed that this includes the electricity usage for the lighting in several landlord areas in housing blocks and some communal heating areas, but excludes individual dwellings. The Council owned housing stock is categorised under Scope 3, as the Council own the asset but do not occupy it or pay the energy bills.

2 Carbon Footprint

The carbon footprint has been calculated using the best data that was available to the Council during the reporting year. Section 6 provides further detail of what information is required to report on all emissions going forward.

Table 1. Carbon emissions by source for 2019

Emissions Source	Scope	% Split	TonnesCO₂e
Gas	1	5.6%	2,123
Council Vehicles	1	1.1%	398
Electricity	2	2.5%	950
Water Supply	3	0.03%	12
Wastewater	3	0.07%	27
Transmission & Distribution	3	0.2%	68
Employee Vehicle	3	0.2%	65
Leased Assets	3	3.7%	1,381
Housing	3	86.6%	32,602
Total	-	100%	37,625

Chart 2. Carbon emissions by source for 2019

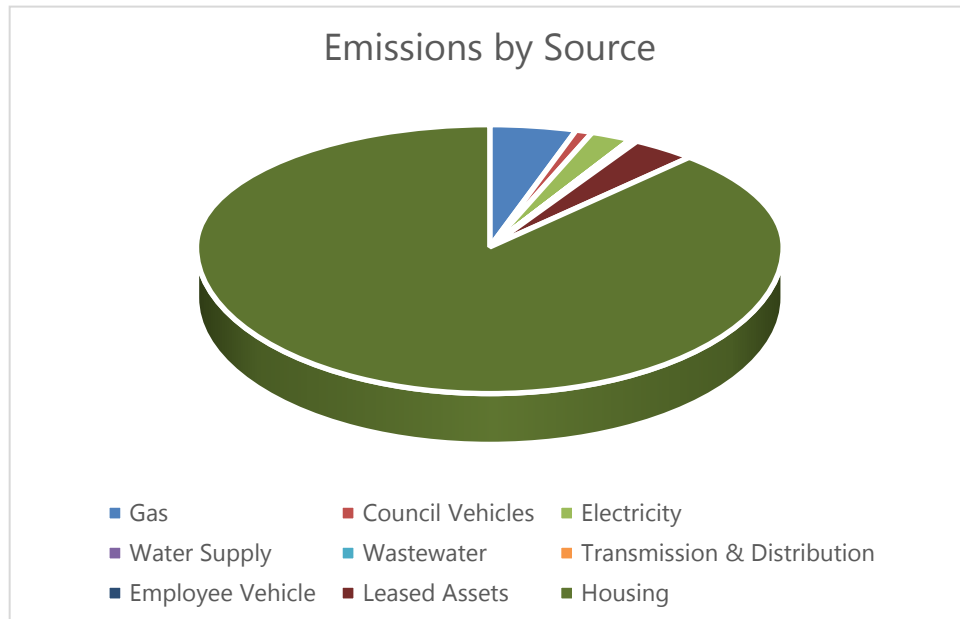
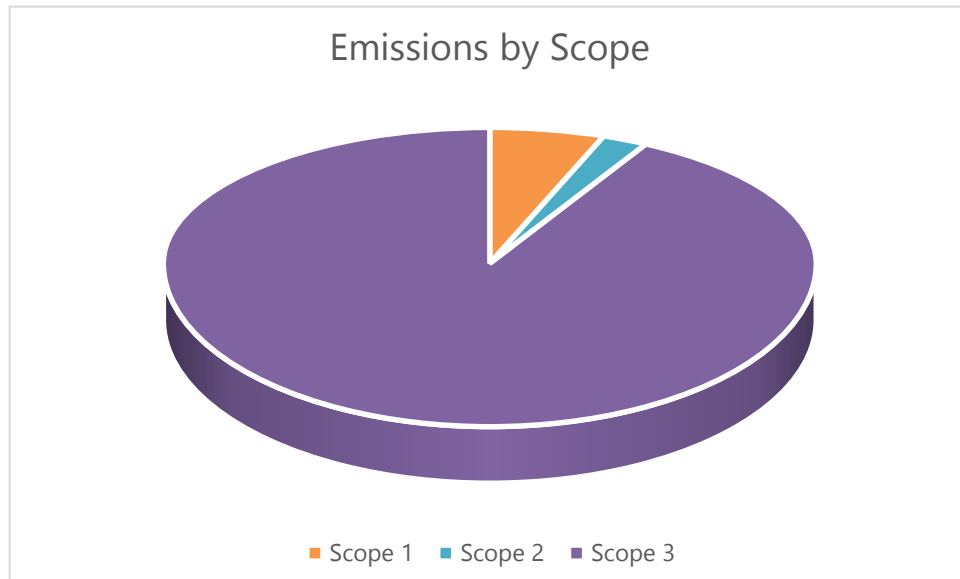


Table 2. Carbon emissions by scope

Emissions Source	% Split	TonnesCO2e
Scope 1	6.7%	2,521
Scope 2	2.5%	950
Scope 3	90.8%	34,154
<u>Total</u>	<u>100%</u>	<u>37,625</u>

Chart 3. Carbon emissions by scope



The data shows that the Council owned housing stock of 10,127 properties accounts for 86.6% of the Council's total emissions.

3 Notes and Observations on Calculating Emissions

Appendix A is an Excel spreadsheet that shows a breakdown of the emissions by source. This can be used to develop a carbon strategy by identifying and approaching sources with the highest emissions.

At the time of reporting, data was not available from the gas supplier for December 2019, so the reporting period is 01/12/18 to 30/11/19.

Usage has been prorated for periods that do not cover a full calendar year, e.g. a supply period covering 380 days has been adjusted to 365 days. A separate column has been provided in Appendix A which shows the 'Adjusted' usage.

Appendix A highlights sites which are under the Housing Revenue Account (HRA) and reported under Scope 1 and 2. All sites included under Scope 1 and 2 are buildings where the Council pay for the energy, as being responsible for paying the bills effectively denotes ownership of emissions. Most of the electricity use in HRA sites is assumed to be from landlord lighting in communal areas and gas consumption is assumed to be from district heating for communal areas (not tenanted properties).

Emissions data has been calculated based on recorded usage during the reporting year except for the Council owned housing stock which has been estimated based on calculation (explained further in Section 4).

The recorded usage provided for the water supply and wastewater is the same. The return to sewer (wastewater) is typically calculated based on 95% of the supply usage, i.e. it is assumed that 5% is consumed and 95% of the water that is supplied to a premises is returned to the sewer (RTS). The RTS could be far less if it is for a premises that returns less than 95% to the sewer, for example, water that is evaporated by cooling towers as part of a building's air conditioning.

At the time of issuing this report, an investigation was underway to identify a suspected issue with the electricity meter at The Forum. The carbon emissions for The Forum's electricity usage has been calculated based on the Building Regulation UK Part L report (BRUKL Report) which shows the calculated energy usage for the building which was determined during the design stage. This is the standard calculation method used in the UK for commercial buildings and gives an accurate representation of what the energy usage of a new build premises should be. It is not exactly the same as the actual usage as assumptions are made based on internal equipment and building usage patterns.

Actual mileage for all vehicles should be recorded during the reporting period. The Scope 1 vehicle data provided was calculated by averaging the total mileage to date and dividing by the age of the vehicle. This does not reflect the actual distance travelled in the reporting year.

The Council should record the gross vehicle weight of Council owned vehicles. The gross vehicle weight value is the maximum operating weight of the vehicle including passengers, cargo and any additional body work (for example, tail lift or box section). This excludes the weight of any additional trailers. As this information has not been provided, all heavy vehicles have been classed as 'Average' and all light vehicles have been categorised as 'Class I (up to 1.305 tonnes)'.

A sense check should be made on the data. A refuse vehicle has been recorded as travelling 108,142 miles in one year which is much higher than average.

4 Emissions from Council Owned Housing

The Council owned housing stock comprises of 10,127 properties and is reported under Scope 3 as the Council do not pay the energy bills. However it does own and maintain the properties. Consumption data from domestic properties is required to accurately calculate the emissions however, it will not be possible to obtain consumption data from the tenant energy bills so an alternative methodology is required to calculate the emissions from housing.

Energy Performance Certificates

Energy Performance Certificates (EPC) determine the carbon emissions based on a site survey and using software which calculates a rating so that a comparison of the energy efficiency can be made with other dwellings. The EPC's are given a rating from A to G and a SAP rating of 1 to 100, with G/1 being the least energy efficient and A/100 being the most efficient.

The Council's asset register contains the EPC rating for 5,158 dwellings but the EPC rating alone is not enough to calculate CO₂ emissions.

The average rating across these EPC's is 65.9 with the vast majority of dwellings being +/-5 either side of this average.

The average domestic EPC rating in England in 2016 was 62 ([source](#)), which shows that the rating of the Council housing stock is just above average.

BEIS Local Authority Emissions Data

BEIS publish annual carbon emissions data for local authorities within the UK. The most recent data published is from 2017 and it covers the electricity, gas and 'other fuels' (oil) of domestic properties. The consumption data is taken from the Digest of UK Energy Statistics (DUKES) which contains data of actual energy usage for each building within the Dacorum local authority post code and is based on usage data taken from the electricity and gas suppliers. This is converted into CO₂ emissions and a correction factor is applied to the gas data so that it is adjusted to average weather conditions. It is a reliable source of data and it covers all dwellings in the Dacorum local authority area.

Establishing the Council Owned Housing CO₂ Benchmark

It was agreed with Council officers to include benchmark emissions for housing and acknowledge that the methodology and data gathering process will need to be improved in subsequent years. An explanation of the methodology to calculate the benchmark is included below so that this can be referenced in future reporting.

The table below shows the apportioned emissions from Council owned housing within the local authority area.

Table 3. Apportioned emissions from Council owned stock 2017

A	B	C	D
Fuel	Dacorum 2017 LA Emissions (tCO₂)	Council Owned Housing Apportioned Emissions (tCO₂)	Council Owned Housing Emissions Adjusted (tCO₂)
Electricity	65,743	10,132	<u>9,532</u>
Gas	159,105	24,520	<u>23,069</u>
Total	224,848	34,652	<u>32,602</u>

Explanation of Calculations

- Column B – The total CO₂ emissions of all dwellings within the Dacorum local authority area for 2017 published by BEIS
- Column C – Apportioning emissions based on the total number of dwellings. Council owned dwellings account for 15.4% of the regions total based on:
 - Estimated number of dwellings in Dacorum LA post code = 65,711 (taken from SCATTER)
 - Estimated number of Council owned dwellings = 10,127
- Column D – An adjustment factor is applied to adjust the emissions based on the Council’s average EPC rating calculated as:

$$\frac{\text{National EPC average}}{\text{DBC EPC average}} = \frac{62}{65.9} = 5.9\% \text{ uplift}$$

By apportioning the data available it is calculated that the total carbon emissions for the Council owned housing stock is **32,602tCO₂**.

The adjustment factor could be increased as EPC data is updated and recorded following an efficiency improvement in a dwelling.

5 Achieving Net Zero Target

5.1.1 Energy Efficiency

Appendix B shows generic actions that could be taken to reduce energy usage from the baseline for Scope 1, 2 and 3 emissions. This is a desktop assessment based on the consumption data and typical saving initiatives and is not based on site specific information. Estimated energy savings and forecast capital costs shown are for representative purposes to give an illustrative outcome and should not be used for budgeting purposes. Please note that further work is required to take forward the initiatives demonstrated.

It is recommended that a detailed audit and feasibility study is carried out for all assets to determine their specific and bespoke initiatives. This will provide an indication of the realistic interventions that could be provided and the likely cost savings, capital cost and carbon savings.

The following assumptions have been made which can be updated when more information is available:

- Future CO₂ emissions and tariff rates have been taken from the Treasury Green Book supplementary appraisal guidance on valuing energy use and greenhouse gas (GHG) emissions published by BEIS. These emissions factors include transmission and distribution losses, including significant losses due to power station inefficiency meaning that the emissions factors differ slightly to those calculated in Section 2.
- The energy costs are calculated using the retail fuel price which includes the Climate Change Levy but excludes standing charges that are not directly impacted by consumption fluctuations.
- The intervention capital cost is calculated by multiplying the typical payback of the intervention by the annual energy cost savings.
- An average energy tariff over 5 years (2020 to 2025) has been used as 5 years is the assessment period used by Salix to repay loans.
- Interventions that have been applied to each site are assumed to be applicable based on the site address only and not all interventions are applicable to each site, for example:
 - Replacement lighting is the only intervention that will be applicable to landlord lighting areas;

- The Forum opened in 2017 and is rated as BREEAM Excellent and it assumed that the opportunity to reduce emissions through replacing services will be limited.

Table 4. Generic interventions for heating (gas usage) include:

Intervention	Saving on Heat Demand	Payback in Years	Detail
More efficient plant	20%	8	May include new CHP or boilers
Controls	15%	5	May include a new or optimised BMS for larger sites and controllers and TRVs for smaller sites
Insulation	15%	5	May include building fabric insulation, draught proofing, pool cover and pipework insulation
Other	15%	5	May include more efficient heat emitters, heat recovery and distribution improvements

Savings from these interventions have been calculated concurrently rather than independently, i.e. each intervention reduces the heat demand following on from the previous intervention, for example:-

- 100kWh less 20% saving from more efficient plant = 80kWh >;
- 80kWh less 15% saving from controls = 68kWh >;
- 68kWh less 15% saving from insulation = 58kWh >;
- 58kWh less 15% saving from 'other' = 49kWh;
- Total reduction = 51%.

Using heat pumps is a good initiative for heating systems because the carbon factor of electricity will reduce as the grid is decarbonised and due to their efficiency and Coefficient of Performance (COP). For a heat pump, a COP value of 4 means that 1kW of electric energy is needed to generate 4kW of heat.

It is assumed that heat pumps by themselves will not be financially viable for the larger buildings based on current technology. This is because the existing boilers distribute heat at around 80°C and heat pumps distribute heat at around 50°C. It is assumed that the cost to retrofit a leisure centre

with a heat pump and the associated infrastructure would be disproportionate compared to the benefits.

The total carbon emissions from gas (heat) below for 2030 does not include any heat pump systems. Heat pumps may be suitable in selected buildings or hybrid systems could be feasible where there is a combination of heat sources, however this cannot be determined from a desktop investigation at this stage.

For reference purposes, if all gas heating systems were replaced with heat pumps with a COP of 4, the carbon emissions in 2030 would be change from **1,043 tCO₂e for gas plant to 180 tCO₂e for electric heat pumps.**

Table 5. Generic interventions for electricity include:

Intervention	Saving on Electricity Usage	Payback in Years	Proportion of building services	Apportioned saving across whole building	Detail
LED Lighting and Control	60%	5	33%	20%	Replace existing luminaires with LED and automatic control
Controls and HVAC	15%	5	41%	6%	Controlling building services with a BMS
Office Equipment	15%	5	15%	2%	Replacing aging equipment with more efficient equipment
Other	15%	5	11%	2%	Could include variable speed drives, motors, hand dryers

Savings from these interventions have been calculated independently from the total electricity usage and their estimated proportion to building services, e.g. lighting is assumed to account for 33% of all electricity usage in a building and a potential saving of 60% could be achieved from installing LED lighting and automatic control which leads to an apportioned whole building saving of 20%.

5.1.2 Power Generation

It is assumed that solar PV could be placed on selected buildings with a generation capacity of approximately 500kWp comprising of approximately 1600 panels generating 480,000kWh per year of electricity that could feed directly into Council buildings, with no units exported to the grid.

The combined systems would have a capital cost of approximately £300,000.

5.1.3 Council Owned Vehicles

A detailed feasibility study is required to determine a more accurate projection for replacing the vehicle fleet with electric vehicles.

It is assumed that 10% of the current fleet will be replaced with electric vehicles every year up to 2030, and the cost of diesel increases by 3% annually.

The kWh/mile of electric vehicles and their cost to purchase have been categorised as below:

Vehicle	kWh/mile	Cost to purchase
Small Van (based on Nissan e-NV200)	0.42	£20,000
Medium Van (based on Volkswagen e-Crafter Electric Van)	0.48	£57,000
Refuse lorry (based on Cambridge City Council data)	0.48 (actual kWh/mile is unknown and likely to be higher)	£375,000

Savings in emissions do not consider vehicle efficiency improvements between 2019 to 2030 nor the likely reduction in cost to purchase electric vehicles. A more detailed analysis is required to assess this.

5.1.4 Employee Owned Vehicles

The trajectory assumes that staff vehicle usage will reduce by 10% per year compared to the baseline. It is unrealistic to expect all staff to replace their own vehicle with an EV, so a combination of interventions would be required such as providing EV pool cars, bicycles and encouraging staff use of public transport.

5.1.5 Water Supply and Wastewater

Water supply and wastewater combined account for 0.1% of the total emissions and 39tCO₂e. However, simple measures can be taken to reduce water usage and cost such as installing low flow appliances and fixing leaks.

It has been assumed that emissions from water supply and wastewater will reduce by 5% annually.

5.1.6 Transmissions and Distribution

This has not been accounted for separately as the forecast carbon conversion factors provided by BEIS include losses from transmission and distribution.

5.1.7 Leased Assets

The methodology for calculating the trajectory for leased assets (leisure centres) is the same as the methodology for forecasting emissions from Scope 1 and 2 emissions.

5.1.8 Council Owned Housing

The methodology for the emission trajectory for the housing stock was taken from SCATTER which provides details of initiatives that could be adopted to reduce emissions within the district. The reduction in emissions have been taken from the SCATTER projections for Dacorum and apportioned out to the Council's own housing stock up to 2030. Interventions include:

Dacorum Borough Council assumed interventions in housing
Local solar capacity grows to equivalent of 2,500kWh per household in 2030
By 2050, domestic lighting and appliance total energy demand has dropped to 27% of current levels (apportioned to 2030).
Small reductions in efficiency of domestic cooking. Proportion of cooking which is electric increases to 100% in 2050 (apportioned to 2030).
Hot water demand per household reduces by 8% every 5 years
From 2021, 30% of all new houses per year are built to 2013 building regulations; 40% to AECB standard; 30% to passivhaus standard.

By 2050, 10% of current stock is retrofitted to a medium level; 80% deep retrofit (apportioned to 2030).

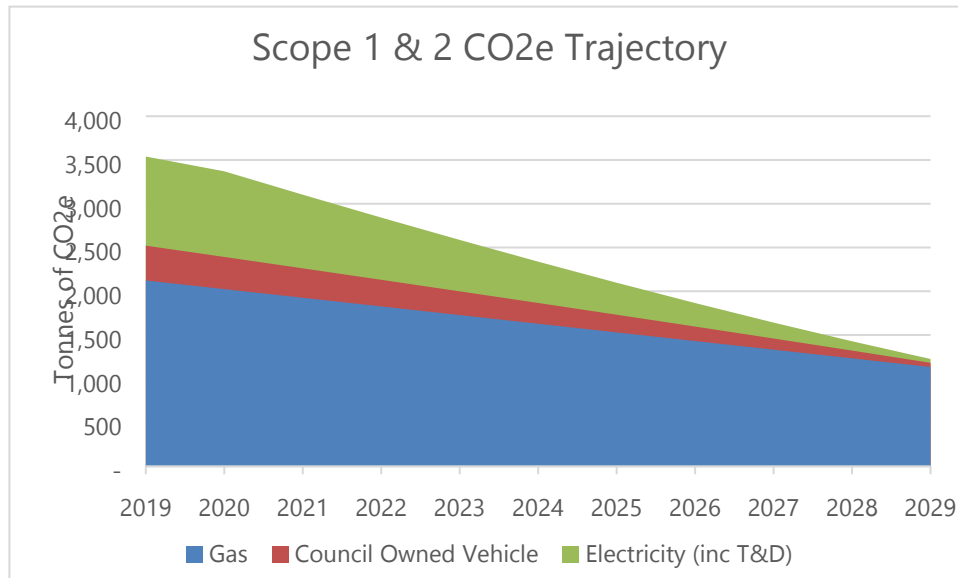
By 2050, 7% resistive heating; 60% air-source heat pumps and 30% ground-source heat pumps; 3% district heating (apportioned to 2030).

5.2 Scope 1 and 2 Trajectory to 2030

The impact from the abovementioned interventions are linear and are inclusive of 2020 and 2029, e.g. the savings from energy efficiency are equal (1/10th) in all years up to 2030. It is likely that the carbon savings will not be linear through the term and this will need to be modelled following a detailed feasibility study.

A breakdown of the carbon savings can be found in Appendix B.

Chart 4. Carbon Emissions Trajectory 2019 to 2030



The trajectory shows that there are 1,226 tCO₂ of unavoidable emissions up to 2030. This is the amount of carbon that will need to be offset to balance the emissions that cannot be directly removed based on current technology and within a reasonable budget.

5.2.1 Scope 1 and 2 Offsetting

A carbon offset is a reduction in emissions of CO₂e made in order to compensate for emissions made elsewhere. There are several ways of offsetting carbon emissions such as carbon capture and storage, however this is not deemed financially or technically feasible to the Council. More typical options available to the Council to directly offset emissions include renewable energy generation projects and tree planting. However, the effectiveness of tree planting to quickly offset emissions can be questioned as it can take many decades for trees to reach maturity.

It is assumed that solar PV could be placed on Council land with a generation capacity of approximately 5MW generating 4,800,000kWh of electricity that feeds directly into the electricity grid. This could include open land space and car parks, etc.

A 5MW system would have a capital cost of approximately £3million and would offset 710tCO₂e if installed by 2030.

The installation of 5MW of solar PV would leave 516tCO₂e of unavoidable emissions by 2030 that will need to be offset. The Woodland Trust states that it costs £25 to offset 1 tonne of CO₂ in British woodlands which would

result in a cost of £12,902 to offset the remaining emissions from Scope 1 and 2 activities.

5.2.2 Forecast Capital Cost

Investing in efficiency projects and power generation will, in most cases, have a positive financial benefit with a good return on investment. The Council should set its own guidelines on a cap for ROI to measure the viability of projects.

Grid supplied electricity and gas rates are taken from BEIS modelling. The future grid export rate and diesel costs are based on the current price and increased by 3% annually.

Chart 5. Cost savings from interventions between 2019 to 2030

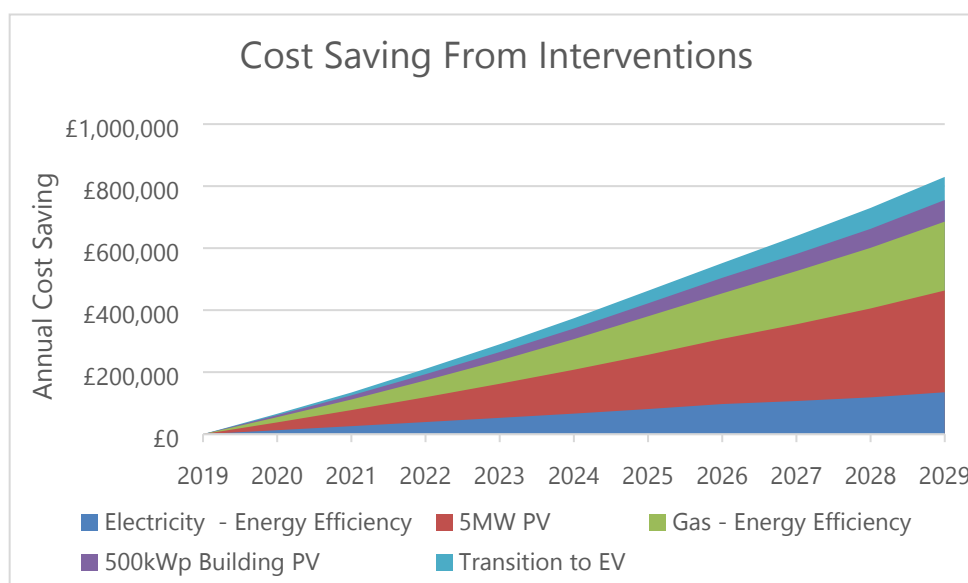


Table 5. Forecast capital cost and financial savings from initiatives

Intervention	Cost of all interventions	Accumulative saving up to 2030	Total annual saving of all interventions by 2030
Electricity - Energy Efficiency	£546,259	£612,691	£112,616
5MW Land PV	£3,000,000	£1,656,079	£328,177
Gas - Energy Efficiency	£1,036,533	£1,043,001	£203,421
500kWp Building PV	£300,000	£379,554	£69,764
Transition to EV	£8,972,000	£377,392	£74,498
Tree Planting	£12,902	N/A	N/A
Total	£13,867,693	£4,068,717	£788,477

The table above assumes that the delivery of interventions are linear and are inclusive of 2020 and 2029, e.g. the savings from energy efficiency are equal (1/10th) in all years up to 2030.

This shows that the forecast capital cost to achieve net carbon zero for Scope 1 & 2 emissions is £13.9million and the total annual savings achieved by 2030 would be the equivalent of £788k per year.

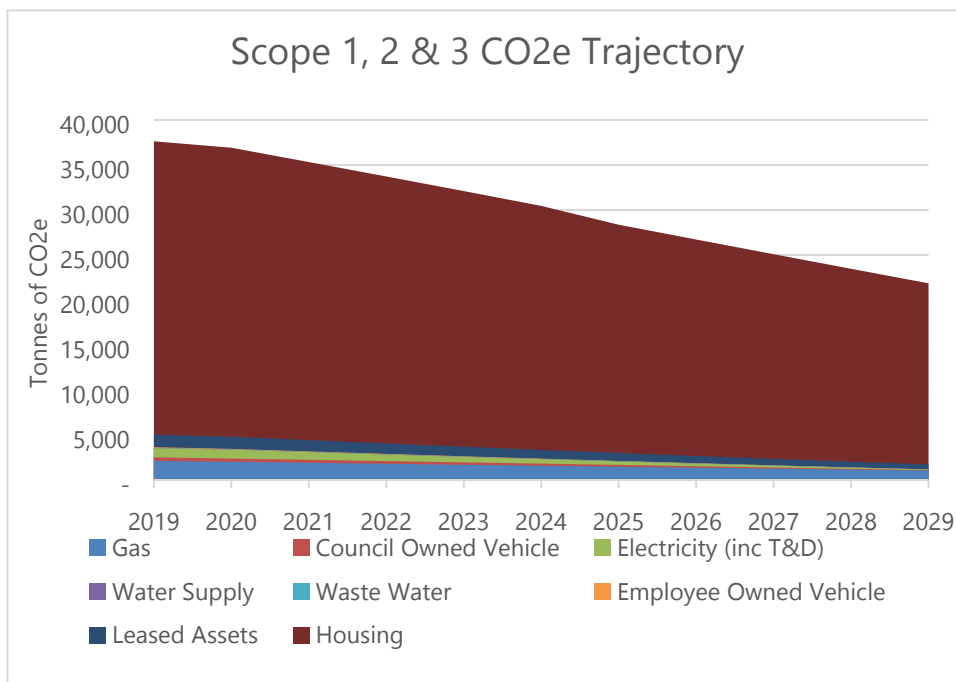
63% of the forecast capital cost is from replacing traditional vehicles with electric vehicles and £5.7million of this cost is attributed towards replacing 16no. refuse vehicles costing £375k each.

A detailed feasibility study is required to determine an accurate forecast for the financials involved in being net zero carbon for Scope 1 and 2 emissions.

5.3.1 Scope 1, 2 & 3 Emissions

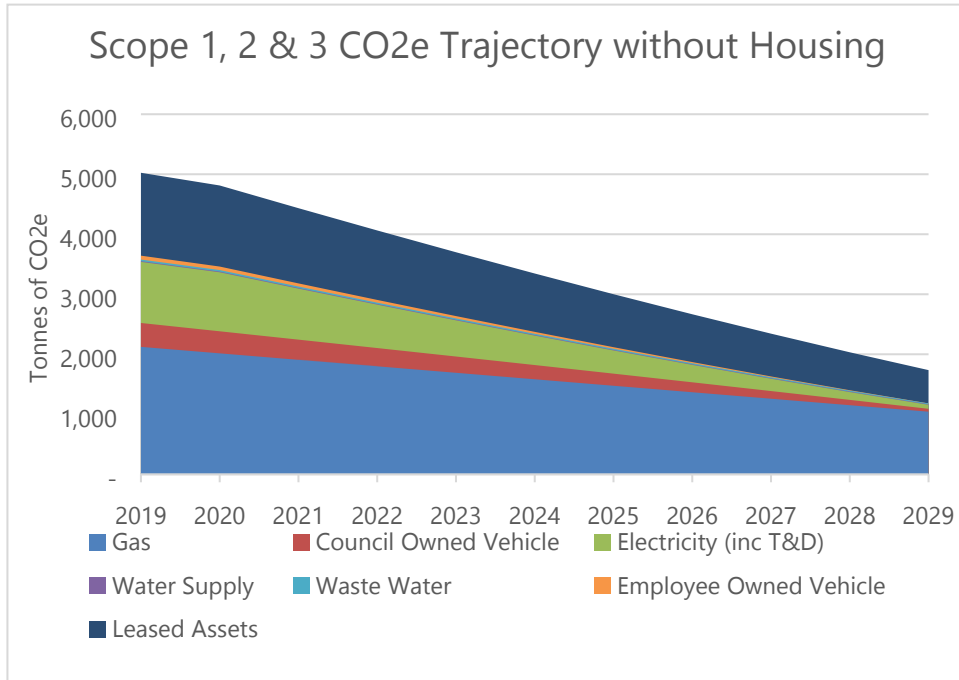
The chart below shows the CO₂e trajectory to 2030 for Scope 1, 2 and 3 emissions. A breakdown is shown in Appendix B.

Chart 6. Scope 1, 2 & 3 CO₂e Trajectory



The chart above shows that most of the emissions come from housing. The chart below shows the Scope 1, 2 and 3 trajectories with housing removed to provide a clearer visual of non-housing emissions.

Chart 7. Scope 1, 2 & 3 CO2e Trajectory without Housing



A forecast for the finances required to reduce Scope 3 emissions has not been included. This is because the Council do not have direct control of Scope 3 emissions and in many cases will not directly benefit financially from reducing emissions.

A detailed feasibility study is required to determine the financials around Scope 3 emissions.

5.3.2 Scope 1, 2 & 3 Offsetting

Scope 1, 2 and 3 emissions are forecast to be 21,919tCO₂e by 2030 after the interventions have been implemented.

Based on the Woodland Trust statement that it costs £25 to offset 1 tonne of CO₂ in British woodlands, it would cost £530,230 to offset the remaining emissions.

There are other schemes that provide carbon offsetting through international planting schemes such as [One Carbon World](#) which contributes funding towards large scale forestry schemes for as much as £1.20/tCO₂e. There is some concern over the viability of such schemes.

A detailed feasibility study is required to determine an accurate forecast for the requirement of planting to offset emissions.

6 Recommendations for Gathering Data Going Forward

6.1 Scope 1 and 2 Emissions

The Council should develop a procedure for gathering and storing data as it is made available. The benefit of this is that the carbon reporting process is streamlined and progress towards targets can be tracked.

APSE Energy can support by gathering data on behalf of the Council and storing it on energy management software. The Council will be provided with password protected access to the cloud-based database so it can access the data and generate cost and carbon reports. APSE Energy can use this data to provide streamlined reporting to the Council in subsequent years.

6.2.1 Scope 3 Emissions

Based on the data provided, Scope 3 emissions account for 91% of the Council's total carbon footprint.

Appendix C shows the 15 different categories of Scope 3 emissions and what data should be gathered to report on emissions in future years. Where applicable, the Council should develop policies/procedures to gather the data from third parties. This should be incorporated into the procurement process and contracts with suppliers.

It is discretionary for an organisation to report on Scope 3 emissions. It should be explained and documented in subsequent carbon reports if the Council is unable to obtain data for any of the items in Appendix C as it is deemed financially impractical or not significant. The reporting principles should be based on:

- Relevance;
- Completeness;
- Consistency;
- Transparency;
- Accuracy.

Emissions data that should be included in subsequent years includes waste. Policies should be put in place to start recording waste data. This could be through contractual changes, i.e. waste contractor weighing and recording waste type or the Council can measure its own waste. There are tracking sheets from WRAP to monitor waste streams and these could be used in the short term until the waste contractor can record it.

Purchased goods and services could also be included under Scope 3 as this will represent a high level of emissions down the supply chain. However, obtaining this data from third parties may prove difficult and the Council should assess what relevant goods and services could be recorded in subsequent years.

6.2.2 Scope 3 - Council Owned Housing

All data from the domestic EPC's (SAP rating, floor area, no. of bedrooms, saving initiatives, etc.) should be added to the asset register so that summary reports can be quickly exported. This should include details of efficiency measures that have been undertaken on all properties and an updated EPC should be provided every time a new efficiency measure is introduced so that the improved rating is shown on the certificate.

A spot check of certificates showed that many EPC's dated back to 2010. A rolling programme should be introduced to update EPCs for all properties where improvements have been made.

7 Conclusion and Recommendations

- Use carbon footprint data and Appendix A to develop a strategy to become net zero carbon. APSE Energy have provided a proposal to provide consultancy services to Dacorum Borough Council. The scope has not been finalised and the cost of this can vary widely depending on the level of work required. The scope might include:-
 - a review of existing policies and strategies;
 - workshops for officers, councillors and partners;
 - interviews with policy officers, service managers, senior offices and councillors;
 - compilation of data;
 - writing draft document;
 - design of strategy for publication.

As a guide, the cost for a zero carbon strategy would be in the region of £5,000 - £8,000;

- Provide a detailed feasibility study to determine the interventions required to be net zero carbon by 2030, which includes a forecast of the capital cost required, funding options, cost savings and trajectories;
- Calculate the carbon footprint of the whole Local Authority area and provide an action plan for the whole district to be zero carbon;
- Contact the water supplier and negotiate the Return to Sewer rate;
- Data provided by the electricity supplier, Npower, shows that the Council is responsible for 719 electricity meters. A review should be carried out for each asset to determine if the Council is responsible for paying the electricity usage and taking ownership for the associated carbon emissions. It is not uncommon for assets to be sold, leased or decommissioned yet the Council continue to pay for the utilities. APSE Energy can support the Council with this work;
- Adjust baseline calculations once the electricity usage for The Forum is known;
- Check that mileage data for vehicles is accurate;
- Develop policies and processes for capturing data going forward (see comment in section 6);
- Specifically arrange a procedure to collect waste data. There is no current access to this data within the Council, but it is available from BEIS;

- Develop policies and processes to request emissions data from suppliers.

8 Glossary

Term	Definition
Carbon dioxide equivalent (CO ₂ e)	The carbon dioxide equivalent (CO ₂ e) allows the different greenhouse gases to be compared on a like-for-like basis relative to one unit of CO ₂ and includes the six greenhouse gases with the greatest global warming potential (GWP).
Carbon footprint	A carbon footprint measures the total greenhouse gas emissions caused directly and indirectly by a person, organisation, event or product. A carbon footprint is measured in tonnes of carbon dioxide equivalent (tCO ₂ e).
Council Vehicles	Vehicles that are owned or controlled by the Council. This does not include employee-owned vehicles that are used for business purposes.
Electricity	Electricity used at sites owned/controlled by the Council. This is reported as a Scope 2, indirect emission. The conversion factors used are for the electricity supplied to the grid that the Council purchase - they do not include the emissions associated with the transmission and distribution of electricity.
Employee Vehicles	Travel for business purposes in assets not owned or directly operated by the Council. This includes mileage for business purposes in cars owned by employees, public transport, hire cars etc.
Gas	Primary fuel sources combusted at a site or in an asset owned or controlled by the Council.
MPAN & MPR	The MPAN (Meter Point Administration Number) and MPRN (Meter Point Reference Number) are unique numbers assigned to the electricity and gas supplies. This information has been provided as a reference and can be used to identify each meter.
tCO ₂	Tonnes of CO ₂
Transmission and Distribution	Transmission and distribution (T&D) factors are used to report Scope 3 emissions associated with grid losses (the energy loss that occurs in getting the electricity from the power plant to the premises).

SAP rating	The Standard Assessment Procedure (SAP) is the methodology used by the Government to assess and compare the energy and environmental performance rating of dwellings. Its purpose is to provide accurate and reliable assessments of dwelling energy performances that are needed to underpin energy and environmental policy initiatives.
SCATTER	Setting City Area Targets and Trajectories for Emissions Reduction is a tool dedicated to calculating the GHG emissions of LA's and follows the Global Protocol for City-wide Greenhouse Gas emissions. In addition, it provides details of initiatives that could be adopted to reduce emissions within the district.
Wastewater	Water returned into the sewage system through mains drains.
Water Supply	Water delivered through the mains supply network.

Appendix A – Carbon Calculations

Appendix B – Asset Reduction Plan

The above appendices are provided separately as spreadsheets.

Appendix C – Data that should be gathered to report on Scope 3 emissions

Data that should be gathered to report on Scope 3 emissions

Item	Category	Details Required
1	Purchased goods and services	<p>This category includes all upstream (i.e. cradle-to-gate) emissions from the production of products purchased or acquired by the Council in the reporting year. Products include both goods (tangible products) and services (intangible products).</p> <p>This category includes emissions from all purchased goods and services not otherwise included in the other categories of upstream scope 3 emissions (i.e. category 2 through category 8 below).</p> <p>Cradle-to-gate emissions include all emissions that occur in the life cycle of purchased products, up to the point of receipt by the Council. Cradle-to-gate emissions may include:</p> <ul style="list-style-type: none">• Extraction of raw materials• Agricultural activities• Manufacturing, production, and processing• Generation of electricity consumed by upstream activities• Disposal/treatment of waste generated by upstream activities• Land use and land-use change• Transportation of materials and products between suppliers• Any other activities prior to acquisition by the reporting company

		<p>Relevant purchases to the Council may include capital goods, such as office supplies, office furniture, computers, telephones, travel services, IT support, outsourced administrative functions, consulting services, janitorial, landscaping services, maintenance, repairs and operations.</p> <p>For accurate carbon reporting emissions, the Council should request cradle-to-gate emission factors for materials used by suppliers to produce purchased goods such as Environmental Product Declarations (EPDs). It is likely that many suppliers will not be able to provide all the emission data.</p> <p>If an EPD cannot be provided, supplementary information required includes the volume of product (kg) and the carbon emission factor (kg CO₂e).</p> <p>A policy should be developed so that suppliers in the supply chain are required to provide this data as part of the contract.</p>
2	Capital goods	<p>Capital goods are final products that have an extended life and are used by the Council to manufacture a product, provide a service, or sell, store, and deliver merchandise. Capital goods are treated as fixed assets or as plant, property, and equipment (PP&E). Examples of capital goods include equipment, machinery, buildings, facilities, and vehicles.</p> <p>The required information is the same as Category 1 above.</p> <p>A policy should be developed so that suppliers in the supply chain are required to provide this data as part of the contract.</p>
3	Fuel- and energy related activities (not included in Scope 1 or Scope 2)	<p>Transmission and distribution (T&D) losses have been included and calculated from the data provided in Scope 2.</p>

4	Upstream transportation and distribution	<p>Category 4 includes emissions from:</p> <ul style="list-style-type: none"> • Transportation and distribution of products purchased in the reporting year, between suppliers and its own operations in vehicles not owned or operated by the Council. • Third-party transportation and distribution services purchased by the Council in the reporting year (either directly or through an intermediary), including inbound logistics, outbound logistics (e.g. of sold products), and third-party transportation and distribution between the Council's own facilities. <p>The Council requires data on:</p> <ul style="list-style-type: none"> • Quantities of fuel (e.g., diesel, petrol, jet fuel, biofuels) consumed • Amount spent on fuels • Distance travelled • Vehicle type <p>This may include managed assets - Vehicles that are used by the Council but are not owned by the organisation and generally do not appear on the organisation's balance sheet, for example, maintenance contractor vehicles, outsourced refuse and recycling trucks, road sweepers, grounds maintenance mowers etc.</p> <p>A policy should be developed so that suppliers using their own vehicles are required to provide this data as part of the contract.</p>
5	Waste generated in operations	<p>This includes emissions from third-party disposal and treatment of waste generated in the Councils owned or controlled operations in the reporting year. This category includes emissions from disposal of both solid waste and wastewater.</p> <p>The Council should request volume and emissions data from the waste treatment company applicable to its own waste stream. If this cannot be provided, the emissions</p>

can be calculated by requesting the volume of waste, type and disposal method:

Example of data required:

Total weight (kg) of waste type and disposal method e.g.

- 5,000kg municipal waste to landfill
- 500kg organic garden waste to composting
- 1,000kg metal recycled
- 1,000kg plastic recycled
- 1,000kg paper recycled

Data is required for the volume of supply and wastewater in cubic metres (m³) from water bills.

Local authorities have an important role in waste prevention and sustainable waste management through awareness-raising campaigns, providing separate collection for recycling and food waste, and implementing waste-to-energy schemes. It is therefore voluntary on whether the Council choose to include the emissions from waste associated with the whole borough, or just the Council's own operation.

Only waste treatment in facilities owned or operated by third parties is included in scope 3. Waste treatment at facilities owned or controlled by the reporting company is accounted for in scope 1 and scope 2.

Waste generated by DBC is considered as Scope 3 as the treatment facility is owned by Hertfordshire County Council or by a third party contractor.

The Council could choose to include all waste collected by DBC within the borough, but it is recommended to focus on its own operational waste initially.

The Council would choose at a later date to gather data for all waste collected within the borough for a borough wide carbon footprint.

6	Business travel	<p>Travel for assets not owned or directly operated by the Council. This includes mileage for business purposes in cars owned by employees, public transport, hire cars etc.</p> <p>Require details for:</p> <p><u>Vehicle</u></p> <p>Fuel type, size of vehicle and distance for:</p> <ul style="list-style-type: none"> • Car • Motorbike • Taxis • Bus • Rail <p><u>Flights</u></p> <ul style="list-style-type: none"> • Airport travelled to/from • Number of passengers • Class type • Distance <p><u>Ferry</u></p> <ul style="list-style-type: none"> • Foot or car passenger • Distance
7	Employee commuting	<p>This category includes emissions from the transportation of employees between their homes and their worksites.</p> <p>Emissions from employee commuting may arise from:</p> <ul style="list-style-type: none"> • Car • Bus • Rail • Other modes of transportation <p>Staff would be required to provide method of transport and distance travelled. It may be difficult and time consuming to collect accurate data.</p>

8	Upstream leased assets	<p>This category is applicable from the operation of assets that are leased by the Council.</p> <p>If the Council procures the energy then this should be considered as Scope 1 and 2.</p> <p>If the landlord is responsible for the Scope 1 and 2 emissions, the Council should include the reporting under Scope 3. An example may include an office that the Council lease from a private landlord. All energy bills may be included as part of the lease and the energy contract is under the name of the landlord. The Council should therefore request the energy data from the landlord and include this under Scope 3.</p> <p>Data required include the Scope 1 and 2 data from the leased asset.</p>
9	Downstream transportation and distribution	<p>This category includes emissions that occur in the reporting year from transportation and distribution of sold products in vehicles and facilities not owned or controlled by the Council in the reporting year.</p> <p>It is assumed that this category is not applicable to the Council as it does not manufacture and sell products.</p>
10	Processing of sold products	<p>It is assumed that this category is not applicable to the Council as it does not manufacture and sell products.</p>
11	Use of sold products	<p>It is assumed that this category is not applicable to the Council as it does not manufacture and sell products.</p>
12	End-of-life treatment of sold products	<p>It is assumed that this category is not applicable to the Council as it does not manufacture and sell products.</p>

13	Downstream leased assets	<p>This category is applicable where the Council is the landlord to a lessee.</p> <p>If the Council procures the energy on behalf of a lessee then this should be considered as Scope 1 and 2. An example of this is where the Council may lease a premises to a lessee and include all energy costs as part of the lease. The energy contract is under the name of the Council and is therefore reported under Scope 1 and 2.</p> <p>If the lessee is responsible for the Scope 1 and 2 emissions, the council should include the reporting under Scope 3. An example of this is a shop that the Council own and the occupant pays for the energy bills and the contract is under their name. The Council should request the energy data from the shop occupier and report this under Scope 3.</p> <p>Data required include the Scope 1 and 2 data from the leased asset.</p> <p>Dacorum Borough Council have stated that they are not able to provide this information. The commercial properties are let out on leases with exclusive possession and entitlement to quiet enjoyment.</p> <p>This means:</p> <ul style="list-style-type: none"> a) tenants are responsible for their utility payments and the Council do not have access to that information. b) Tenants are under no legal obligation to provide invoicing details or usage data even if requested. There are in excess of a thousand commercial tenancies and it is not feasible to try and obtain this information. c) The Council have no control over the utility use of these leaseholders/tenants and therefore have no ability to manage or control use. <p>If the Council determines that this is something it wants to collect going forward then it would ideally need to change</p>
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		<p>the T&C's and this would require a project on its own and resources to do this work.</p> <p>Emissions from the Council housing stock comes under this section, but it is recommended for housing to be separated from other leased properties.</p>
14	Franchises	<p>It is assumed that this category is not applicable to the Council as it does not operate any franchises.</p>
15	Investments	<p>This category includes scope 3 emissions associated with the Council's investments in the reporting year, not already included in scope 1 or scope 2. This category is applicable to investors (i.e. organisations that make an investment with the objective of making a profit) and organisations that provide financial services. This category also applies to investors that are not profit driven (e.g. multilateral development banks). Investments are categorised as a downstream scope 3 category because providing capital or financing is a service provided by the organisation.</p> <p>Category 15 is designed primarily for private financial institutions (e.g., commercial banks), but is also relevant to public financial institutions (e.g., multilateral development banks, export credit agencies) and other entities with investments not included in scope 1 and scope 2.</p> <p>The Councils scope 3 emissions from investments are the scope 1 and scope 2 emissions of investees.</p> <p>For purposes of greenhouse gas accounting, this standard divides financial investments into four types:</p> <ul style="list-style-type: none"> • Equity investments • Debt investments • Project finance • Managed investments and client services <p>Dacorum Borough Council have identified that current investments are in place with banks, building societies, other Local Authorities, market funds and pension funds.</p>

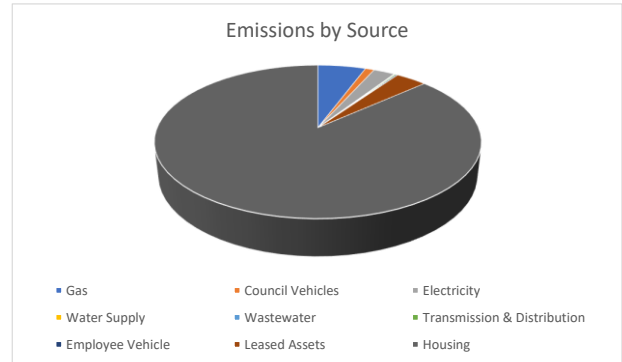
		<p>An example of the information required is the Scope 1 and 2 emissions from the bank where an investment is in place. This is based on the Council's proportional share of investment in the investee. If the Council has £1million invested in the bank and the banks total investments amount to £100million, the Council should report on 1% of the banks Scope 1 and 2 emissions.</p> <p>It is assumed that this information will be difficult to collate from third parties and that the total emissions will be proportionally small compared to other emission sources and these emissions could be excluded from the reporting.</p>
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NEW MUNICIPALISM

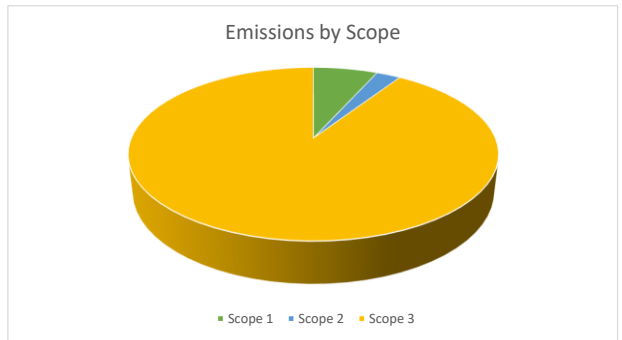
Delivering for local people and local economies

Emissions Source	Scope	% Split	TonnesCO ₂ e
Gas	1	61.2%	2,123
Council Vehicles	1	11.5%	398
Electricity	2	27.4%	950
Total		100%	3,471

Emissions Source	Scope	% Split	TonnesCO ₂ e
Gas	1	5.6%	2,123
Council Vehicles	1	1.1%	398
Electricity	2	2.5%	950
Water Supply	3	0.03%	12
Wastewater	3	0.07%	27
Transmission & Distribution	3	0.2%	68
Employee Vehicle	3	0.2%	65
Leased Assets	3	3.7%	1,381
Housing	3	86.6%	32,602
Total		100%	37,625



Emissions Source	% Split	TonnesCO ₂ e
Scope 1	6.7%	2,521
Scope 2	2.5%	950
Scope 3	90.8%	34,154
Total	100%	37,625



Account Name	Cust Ref	HRA (✓)	Address Lines All	Post Code	Account Code	Meter Ser No	MPR	Start date	End date	No of days	Consumption kWh	Cost (excl VAT)	Start date	End date	Adjusted Consumption kWh	Adjusted Cost (excl VAT)	Tonnes of CO2e
The Forum	DZ500		The Forum,Marlowes, Hemel Hempstead,Hertfordshire	HP1 1HE	3004955085	M100K0827015D6	9346911809	30/11/2018	30/11/2019	365	1,221,069	£31,661	30/11/2018	30/11/2019	1,221,069	£ 31,660.51	234.49
Evelyn Sharp House	HE345	✓	Evelyn Sharp House,Field Road, Hemel Hempstead,Hertfordshire	HP2 4RX	3003033242	M065K0204509D6	17853107	07/11/2018	30/11/2019	388	854,992	£20,534	30/11/18	30/11/2019	804,309	£ 19,316.33	147.87
William Crook House	HE400	✓	William Crook House,Green End Lane, Hemel Hempstead,Hertfordshire	HP1 2BH	3003033231	M065K0203609D6	17853107	14/11/2018	30/11/2019	381	650,449	£16,636	30/11/18	30/11/2019	623,133	£ 15,593.77	114.56
Elizabeth House	HE335	✓	Elizabeth House,Chapel Street, Hemel Hempstead,Hertfordshire	HP2 5HH	3003033165	M100K0122809D6	17001403	16/11/2018	30/11/2019	379	597,350	£14,685	30/11/18	30/11/2019	575,284	£ 14,142.15	105.77
Two Beches	HE395	✓	Two Beches,Avon Square, Hemel Hempstead,Hertfordshire	HP2 6BG	3003033264	M065K0209309D6	17857508	15/11/2018	30/11/2019	380	579,503	£14,278	30/11/18	30/11/2019	556,628	£ 13,714.87	102.34
Willow Edge	HE405	✓	Willow Edge,Blackwell Road, Kings Langley,Hertfordshire	WD4 8NE	3003033220	61201565C	17844005	30/11/2018	30/11/2019	365	503,549	£12,749	30/11/2018	30/11/2019	503,549	£ 12,748.60	92.58
Dudley House	HE330	✓	Dudley House,Hempstead Road, Bovington,Hemel Hempstead,Hertfordshire	HP2 6NR	3003033198	M065K0203609D6	17842910	05/11/2018	30/11/2019	390	527,767	£12,686	30/11/18	30/11/2019	493,936	£ 11,872.40	90.81
Emma Rothchild Cou	HE340	✓	Emma Rothchild Cou,Silk Mill Way, Tring,Hertfordshire	HP23 5HX	3003033407	M040K0142409D6	48840104	23/11/2018	30/11/2019	372	493,222	£12,487	30/11/18	30/11/2019	483,941	£ 12,322.05	88.97
Cranford House	HE315	✓	Cranford House,Fletcher Way, Hemel Hempstead,Hertfordshire	HP2 50P	3003033319	M040K0039710D6	17889802	16/11/2018	30/11/2019	379	456,850	£11,899	30/11/18	30/11/2019	439,974	£ 11,459.11	80.89
Gilbert Burnet Hous	HE355	✓	Gilbert Burnet Hous,Lonj John, Hemel Hempstead,Hertfordshire	HP3 9ND	3003033253	M040K0140709D6	17853208	09/11/2018	30/11/2019	388	460,858	£12,194	30/11/18	30/11/2019	433,539	£ 11,471.52	79.71
Phyllis Courtage H	HE375	✓	Phyllis Courtage H,Smithfield, Hemel Hempstead,Hertfordshire	HP2 5YN	3003033187	M025K0115090D6	17842506	15/11/2018	30/11/2019	380	435,001	£10,657	30/11/18	30/11/2019	417,830	£ 10,235.94	76.82
Christophar Court	HE205	✓	Christophar Court,Seaton Road, Hemel Hempstead,Hertfordshire	HP3 9EG	3003033363	M040K0203900D6	17892308	30/11/2018	30/11/2019	365	364,082	£9,666	30/11/2018	30/11/2019	364,082	£ 9,666.00	65.54
Chyphor Court	HE201	✓	93 151 Rosebery, Tring,Hertfordshire	HP23 5EW	3003033308	7466444	17847003	23/11/2018	30/11/2019	372	370,760	£9,443	30/11/18	30/11/2019	363,784	£ 9,265.19	66.88
Florence Longman Ho	HE350	✓	Florence Longman Ho,Weymouth Street, Hemel Hempstead,Hertfordshire	HP3 95N	3003033209	M065K0430031D6	17843205	30/11/2018	30/11/2019	365	356,394	£10,168	30/11/2018	30/11/2019	356,394	£ 10,167.72	65.52
Betty Patterson Hou	HE300	✓	Betty Patterson Hou,Astley Road, Hemel Hempstead,Hertfordshire	HP1 1XA	3003033176	M040K0142909D6	17841807	19/11/2018	30/11/2019	376	337,259	£8,978	30/11/18	30/11/2019	327,392	£ 8,715.51	60.19
Elderly Persons Dwe	HE380	✓	Elderly Persons Dwe,Pond Close, Tring,Hertfordshire	HP23 5BE	3003033275	M040K0141709D6	17871300	27/11/2018	30/11/2019	368	310,773	£8,551	30/11/18	30/11/2019	306,240	£ 8,480.83	56.67
Summer Court	HE370	✓	Summer Court,Temple Mead, Hemel Hempstead,Hertfordshire	HP2 5AR	3003034091	M040K0378514D6	934117007	30/11/2018	30/11/2019	365	296,146	£7,293	30/11/2018	30/11/2019	296,146	£ 7,293.01	47.09
Oak Lane	HE370	✓	Oak Lane,Akeman Street, Tring,Hertfordshire	HP23 6AH	3003033297	M025K0139509D6	17873302	09/11/2018	30/11/2019	386	253,073	£6,769	30/11/18	30/11/2019	239,305	£ 6,400.82	44
Lagley House	HE365	✓	Lagley House,Gossoms End, Berkhamsted,Hertfordshire	HP4 3LR	3003033210	M025K0054307D6	17843609	23/11/2018	30/11/2019	372	237,462	£6,178	30/11/18	30/11/2019	232,993	£ 6,061.91	42.84
SRT Trading Ltd	Direct Billed		SRT Trading Ltd,c/o Civic Centre,161,161-163 High Street, Berkhamsted, Hertfordshire	HP4 3HD	3003033352	M040K0127015D6	17892106	30/11/2018	30/11/2019	365	184,006	£4,444	30/11/2018	30/11/2019	184,006	£ 4,443.87	33.83
Adeyfield COMMUNIT2	Direct Billed		Adeyfield COMMUNIT2,Queens Square,Adeyfield, Hemel Hempstead,Hertfordshire	HP2 4EW	3004052360	M040K0038490D6	69735007	30/11/2018	30/11/2019	365	150,685	£4,019	30/11/2018	30/11/2019	150,685	£ 4,019.24	27.7
Berkhamsted Civic C	CC400		Berkhamsted Civic C,High Street, Berkhamsted,Hertfordshire	HP4 1QA	3003033374	M025K0244910D6	17892510	28/11/2018	30/11/2019	367	144,674	£4,448	30/11/18	30/11/2019	143,885	£ 4,423.71	26.45
The Vlg Hall Vlg C2	Direct Billed		The Vlg Hall Vlg C2,Vlg Centre Leveestock Green Rd, Hemel Hempstead,Hertfordshire	HP3 80G	3004052766	M025K0110909D6	69735051	05/11/2018	30/11/2019	390	142,570	£3,744	30/11/18	30/11/2019	133,431	£ 3,503.57	24.53
Old Town Hall	CA200		Old Town Hall,High Street, Hemel Hempstead,Hertfordshire	HP1 3AE	3003033220	M016K0258709D6	17890304	30/11/2018	30/11/2019	365	127,157	£4,007	30/11/2018	30/11/2019	127,157	£ 4,006.54	23.38
Compass Point	HE310	✓	Compass Point,Kitefield, Northchurch,Berkhamsted,Hertfordshire	HP4 3KD	3003033385	M016K0350209D6	20431500	05/11/2018	30/11/2019	390	134,116	£3,573	30/11/18	30/11/2019	125,519	£ 3,343.95	23.08
The Elms Homeless Hostel	GE103	✓	The Elms Homeless Hostel,Redbourne Road, Hemel Hempstead,Hertfordshire	HP2 7AZ	3003033240	M016K0814414D6	9337147000	30/11/2018	30/11/2019	365	111,882	£4,153	30/11/2018	30/11/2019	111,882	£ 4,153.65	20.57
150 174 Saturn Wa	HE390	✓	150 174 Saturn Wa,Ground Floor, Hemel Hempstead,Hertfordshire	HP2 5PF	3003033429	M016K0226909D6	69734106	21/11/2018	30/11/2019	374	112,700	£3,388	30/11/18	30/11/2019	109,988	£ 3,306.59	20.22
150 174 Saturn Wa	HE320	✓	Douglas Gardens, Berkhamsted,Hertfordshire	HP4 3PE	3003057717	52919668	73157900	06/11/2018	30/11/2019	389	107,346	£2,940	30/11/18	30/11/2019	100,723	£ 2,758.85	18.52
Thr Grv Hill Centre	Direct Billed		Thr Grv Hill Centre,Henry Wells Square, Hemel Hempstead,Hertfordshire	HP2 6BJ	3004052315	M040K0142609D6	69734409	14/11/2018	30/11/2019	381	98,645	£2,740	30/11/18	30/11/2019	94,503	£ 2,625.38	17.37
Woodhall Farm	Direct Billed		Woodhall Farm,Community Centre,Datohet Close, Hemel Hempstead,Hertfordshire	HP2 7JK	3004245541	0235K0347613D6	69733901	27/11/2018	30/11/2019	368	91,414	£2,515	30/11/18	30/11/2019	90,669	£ 2,494.97	16.67
150 174 Saturn W1	HE390	✓	150 174 Saturn W1,W/Top Floor, Hemel Hempstead,Hertfordshire	HP2 5PF	3003033418	M016K02110909D6	69734005	21/11/2018	30/11/2019	374	91,278	£2,502	30/11/18	30/11/2019	89,081	£ 2,417.12	16.38
Gatebridge Communit	Direct Billed		Gatebridge Communit,Rosgate, Hemel Hempstead,Hertfordshire	HP1 3LG	3003033462	M016A08146114D6	298840701	27/11/2018	30/11/2019	368	86,588	£2,382	30/11/18	30/11/2019	85,882	£ 2,362.87	15.79
Victoria Hall	CC430		Victoria Hall,Akeman Street, Tring,Hertfordshire	HP23 6AA	3003033286	M040K0255810D6	17872100	30/11/2018	30/11/2019	365	84,913	£2,768	30/11/2018	30/11/2019	84,913	£ 2,768.17	15.61
Woolmer Drive	GE101	✓	Woolmer Drive,S1 Woolmer Drive,Leveestock Green, Hemel Hempstead,Hertfordshire	HP2 4UX	3003615780	G4A0K083646409D6	57435910	21/11/2018	30/11/2019	374	77,012	£2,253	30/11/18	30/11/2019	75,159	£ 2,198.86	13.82
DQ225	HE385	✓	48 High Street, Hemel Hempstead,Hertfordshire	HP1 3AF	3003057816	M016K1381510D6	881632104	30/11/2018	30/11/2019	365	67,797	£2,300	30/11/2018	30/11/2019	67,797	£ 2,300.04	12.46
Tring Community Cen	Direct Billed		Tring Community Cen,Silk Mill Way, Tring,Hertfordshire	HP23 5EP	3003057695	M025K0109509D6	69118207	30/11/2018	30/11/2019	365	62,922	£2,044	30/11/2018	30/11/2019	62,922	£ 2,043.55	11.87
Church of the Resurrection	Direct Billed		Church of the Resurrection,Joint Church Council,HENRY WELLS SQUARE	HP2 6BJ	3003033430	M016K0534313D6	69734510	30/11/2018	30/11/2019	365	61,473	£1,735	30/11/2018	30/11/2019	61,473	£ 1,735.11	11.3
Cupid Green Depot	E2420		Cupid Green Depot,Redbourne Road, Hemel Hempstead,Hertfordshire	HP2 7BA	3003033341	M016K0213809D6	17891710	30/11/2018	30/11/2019	365	60,055	£2,123	30/11/2018	30/11/2019	60,055	£ 2,123.47	11.04
7 12	HE385	✓	14 19 Rice Close, Hemel Hempstead,Hertfordshire	HP2 5LU	3003033396	M016K0508512D6	20431702	27/11/2018	30/11/2019	368	55,858	£1,930	30/11/18	30/11/2019	55,403	£ 1,914.29	10.19
44 49	HE385	✓	44 49 Rice Close, Hemel Hempstead,Hertfordshire	HP2 5LU	3003033495	M016K0214809D6	20011410	30/11/2018	30/11/2019	365	54,567	£1,765	30/11/2018	30/11/2019	54,567	£ 1,764.64	10.03
26 31	HE385	✓	26 31 Rice Close, Hemel Hempstead,Hertfordshire	HP2 5LU	3003057684	M016K0213309D6	20011601	30/11/2018	30/11/2019	365	50,761	£1,596	30/11/2018	30/11/2019	50,761	£ 1,596.20	9.33
DG465	HE385	✓	9 High Street, Tring,Hertfordshire	HP23 5AH	3003057794	M025K0139109D6	401064100	30/11/2018	30/11/2019	365	49,217	£1,839	30/11/2018	30/11/2019	49,217	£ 1,838.66	9.05
Dacorom Concl	HE385	✓	Dacorom Concl,38 43 Rice Close, Hemel Hempstead,Hertfordshire	HP2 5LU	3003033506	M016K0214809D6	20011500	27/11/2018	30/11/2019	368	49,445	£1,681	30/11/18	30/11/2019	49,042	£ 1,667.19	9.02
50 53 Rice Close	HE385	✓	50 53 Rice Close, Hemel Hempstead,Hertfordshire	HP2 5LU	3003057673	M016K0214109D6	17891306	27/11/2018	30/11/2019	368	48,522	£1,760	30/11/18	30/11/2019	48,127	£ 1,745.82	8.85
Unit 20	HE385	✓	Unit 20,Maylands Business Centre,Redbourne Road,Hemel Hempstead, Hertfordshire	HP2 7E5	3005445509	G4K00424661701	9360106002	30/11/2018	30/11/2019	365	47,816	£1,215	30/11/2018	30/11/2019	47,816	£ 1,214.69	8.79
1 6 Rice Close	HE385	✓	1 6 Rice Close, Hemel Hempstead,Hertfordshire	HP2 5LU	3003057662	M016K0218509D6	17890708	30/11/2018	30/11/2019	365	45,151	£1,465	30/11/2018	30/11/2019	45,151	£ 1,464.51	8.3
Laundry Room	GE101	✓	Laundry Room,Rear of 47 Leys Road,Leys Road, Hemel Hempstead,Hertfordshire	HP3 9LX	3003057805	G4A0K009550901	5089917706	21/11/2018	30/11/2019	374	46,168	£1,444	30/11/18	30/11/2019	45,057	£ 1,409.72	8.28
7 12	HE385	✓	7 12 Rice Close, Hemel Hempstead,Hertfordshire	HP2 5LU	3003033517	M016K0210409D6	20011702	27/11/2018	30/11/2019	368	35,149	£1,469	30/11/18	30/11/2019	34,862	£ 1,456.97	6.41
Maylands Business																	

Heavy Vehicles

Fleet No.	Reg No	Vehicle Status	Operator Description	Class Description	Make Model	Fuel Type Code	Date In Service	Odometer	days	years	Average		
											Annual Mileage	Class	TonnesCO2e
1903	HX13YLF	LIVE	UNIVERSAL C	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	12/11/18	124437	420	1.2	108,142	Average	43.88
T317	VU60RHA	LIVE	HOPKINSONS	REFUSE D.S. DENNIS 6X2 MID STEER	DENNIS	D	28/02/17	157234	1042	2.9	55,077	Average	22.35
T212A	SY08DGU	LIVE	UNIVERSAL C	REFUSE D.S. DENNIS 4X2 15 18TON	DENNIS EAGLE	DN	07/12/15	180088	1481	4.1	44,086	Average	17.89
T315	VU57YRR	LIVE	RVS LTD	REFUSE D.S. DENNIS ELITE 6X4	ELITE 2 6X4	D	12/11/14	149971	1881	5.2	29,101	Average	11.81
T313	VU64AHO	LIVE	DENNIS/NTM	REFUSE D.S. DENNIS 4X2 15 18TON	ELITE 6	D	07/11/14	125542	1886	5.2	24,296	Average	9.86
T226	VU11HUJ	LIVE	DENNIS EAGI	REFUSE D.S. DENN 6X2 LIFT AXLE	N2630VRC5 ELITE2	D	08/04/11	202878	3195	8.8	23,177	Average	9.40
T303	VU64AJV	LIVE	DENNIS EAGI	REFUSE D.S. DEN 6X2 PHOENIX XM15	ELITE6 220LTP	D	24/10/14	120384	1900	5.2	23,126	Average	9.38
T301	VU64AHV	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS ELITE 6X4	ELITE 6 TP22	D	16/10/14	116498	1908	5.2	22,286	Average	9.04
1000	DJ68BKX	LIVE	NTM-GB	REFUSE D.S. REFUSE VEHICLES	DAF LF NTM 16T	D	17/10/18	24427	446	1.2	19,991	Average	8.11
T305	VU64AHZ	LIVE	DENNIS EAGI	REFUSE D.S. DENN 6X2 PHOENIX 18	ELITE 6 6X2 MID STF D	D	29/10/14	96864	1895	5.2	18,657	Average	7.57
T316	DX140ME	LIVE	NTM-GB LTD	REFUSE D.S. REFUSE VEHICLES	DAF 15T	D	03/02/16	70344	1433	3.9	17,917	Average	7.27
T215	VU11HUP	LIVE	DENNIS/TERE	REFUSE D.S. DENN 6X2 LIFT AXLE	ELITE2/OLYPUS	D	07/04/11	149390	3196	8.8	17,061	Average	6.92
T311	VU64AOK	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS 6X2 MID STEER	ELITE TWINPACK	D	31/10/14	88004	1893	5.2	16,969	Average	6.89
1010	LN69WCT	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	1296	28	0.1	16,894	Average	6.86
1014	GN18VKF	LIVE	FAUN ZOELLI	REFUSE D.S. REFUSE VEHICLES	MITSUBISHI CANTEF D	D	26/09/18	20872	467	1.3	16,313	Average	6.62
T220	LM08KWE	LIVE	HEATHROW	REFUSE D.S. DAF 7.5 TON TIP/CAGE	LF45.140	D	01/05/08	185170	4267	11.7	15,839	Average	6.43
T314	VU64AON	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS 6X2 MID STEER	ELITE 6	D	14/11/14	79938	1879	5.1	15,528	Average	6.30
T309	VU64AOJ	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS 6X2 MID STEER	ELITE 6 MID STEER	D	31/10/14	79692	1893	5.2	15,366	Average	6.23
1011	LN69WCV	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	1144	28	0.1	14,913	Average	6.05
T652	LT12YHO	LIVE	LUTON DAF	CLEAN,SAFE DAF 7.5 TON TIP/CAGE	LF45 140 08TIP	D	11/04/12	106874	2826	7.7	13,804	Average	5.60
T308	VU64AJX	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS ELITE 6X4	ELITE 6 6X2 MID STF D	D	29/10/14	70747	1895	5.2	13,627	Average	5.53
T307	VU64AHP	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS ELITE 6X4	ELITE 6 OLIPUS TWI D	D	15/10/14	70345	1909	5.2	13,450	Average	5.46
T225	VU11HUV	LIVE	DENNIS EALC	REFUSE D.S. DENN 6X2 LIFT AXLE	ELITE2/OLYMPUS/TF D	D	08/04/11	117360	3195	8.8	13,407	Average	5.44
T304	VU64AHY	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS PHOENIX	ELITE6 MIDSTEER	D	24/10/14	69596	1900	5.2	13,370	Average	5.42
1007	LN69WCU	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	1017	28	0.1	13,257	Average	5.38
1008	LN69WCW	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	1009	28	0.1	13,153	Average	5.34
T310	VU64AOL	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS 6X2 MID STEER	ELITE 6 TWINPACK	D	05/11/14	66274	1888	5.2	12,813	Average	5.20
1009	LN69WCY	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	982	28	0.1	12,801	Average	5.19
1004	LR69DDN	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	980	28	0.1	12,775	Average	5.18
T302	VU64AHX	LIVE	DENNIS EAGI	REFUSE D.S. DENN 6X2 PHOENIX 18	ELITE6	D	24/10/14	62874	1900	5.2	12,078	Average	4.90
T223	VK57URC	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS ELITE2 6X4	ELITE2.W2626URAZ	D	05/12/07	128943	4415	12.1	10,652	Average	4.32
T312	VU64AOM	LIVE	DENNIS EAGI	REFUSE D.S. DENNIS 6X2 MID STEER	ELITE 6	D	10/11/14	54916	1883	5.2	10,645	Average	4.32
T306	VU64AJO	LIVE	DENNIS EAGI	REFUSE D.S. DEN 6X2 PHOENIX XM15	ELITE6	D	24/10/14	54520	1900	5.2	10,474	Average	4.25
T217	VK57UOE	LIVE	DENNIS	REFUSE D.S. DENN 6X2 LIFT AXLE	ELITE 2	D	30/11/07	126077	4420	12.1	10,411	Average	4.22
1006	LR69DLU	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	630	28	0.1	8,213	Average	3.33
T213	VU11HUK	LIVE	DENNIS/TERE	REFUSE D.S. DENN 6X2 LIFT AXLE	N2630VRC5 ELITE2	D	04/04/11	69331	3199	8.8	7,911	Average	3.21
T660	LK63ODC	LIVE	DAF/SCARAB	CLEAN,SAFE SCARAB SWEEPER 13TON	DAF LF55	D	13/02/14	46650	2153	5.9	7,909	Average	3.21
1003	LR69DDJ	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19	606	28	0.1	7,900	Average	3.21
T216	VU11HUZ	LIVE	DENNIS /TERE	REFUSE D.S. DENN 6X2 LIFT AXLE	ELITE2	D	11/04/11	67672	3192	8.7	7,738	Average	3.14
T214	VU11HUO	LIVE	DENNIS/TERE	REFUSE D.S. DENN 6X2 LIFT AXLE	OLYMPUS 19N	D	06/04/11	63030	3197	8.8	7,196	Average	2.92
4008	LN69ZTC	LIVE	SCARAB	CLEAN,SAFE SCARAB SWEEPER 13TON	SCARAB MAGNUM	D	05/09/19	2090	123	0.3	6,202	Average	2.52
4010	AK68LVS	LIVE	AEB-SCHMID	CLEAN,SAFE SCHMIDT SWINGO	SCHMIDT SWINGO	D	11/02/19	3012	329	0.9	3,342	Average	1.36
4011	AK68LVT	LIVE	AEB-SCHMID	CLEAN,SAFE SCHMIDT SWINGO	SCHMIDT SWINGO	D	11/02/19	3012	329	0.9	3,342	Average	1.36
4009	AK68LVR	LIVE	AEB-SCHMID	CLEAN,SAFE SCHMIDT SWINGO	SCHMIDT SWINGO	D	11/02/19	2212	329	0.9	2,454	Average	1.00
1012	LN69WCX	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	19/12/19	85	18	0.0	1,724	Average	0.70
1013	LN69WCZ	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	19/12/19	85	18	0.0	1,724	Average	0.70
1900	VU60HJF	LIVE	EURO MUNIC	REFUSE D.S. DENNIS 4X2 15 18TON	DENNIS EAGLE ELIT D	D		127750	43836	120.1	1,064	Average	0.43
1901	VU60HJV	LIVE	EURO MUNIC	REFUSE D.S. 26T DEN. REAR STEER	DENNIS EAGLE ELIT D	D		108658	43836	120.1	905	Average	0.37
1902	HX13YJY	LIVE	UNIVERSAL C	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D		96454	43836	120.1	803	Average	0.33
4014	AJ19DGA	LIVE	AEB-SCHMID	CLEAN,SAFE SCHMIDT SWINGO	SCHMIDT SWINGO	D	09/07/19	283	181	0.5	571	Average	0.23
4013	AJ19DGE	LIVE	AEB-SCHMID	CLEAN,SAFE SCHMIDT SWINGO	SCHMIDT SWINGO	D	09/07/19	273	181	0.5	551	Average	0.22
1005	LR69DUJ	LIVE	GEESINK NO	REFUSE D.S. REFUSE VEHICLES	MERCEDES ECONIC D	D	09/12/19		28	0.1		Average	0.00
Subtotal											771,002		312.84

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Light Vehicles

Fleet No.	Reg No.	Vehicle	Status	Operator	Supplier	Description	Class Description	Make Model	Fuel Type	Code	Date In Service	Odometer	days	Average Annual			TonnesCO2e
														years	Mileage	Class	
T687	HK53VEV	LIVE		PLATFORM S REFUSE D.S. Light (Panel Van)	FORD TRANSIT	D		28/02/17	152496		996	2.7	55,885		1	13.45	
T663	OU64XLN	LIVE		NISSAN AYLE CLEAN,SAFE Pickup	ACENTA KING CAB 4	D		19/09/14	81552		1889	5.2	15,758		1	3.79	
T664	AE64WPR	LIVE		MURKETT'S HOUSING CL Car Derived Van	VAUX COMBOLZHI 2	D		17/09/14	68314		1891	5.2	13,186		1	3.17	
T680	LP16YFM	LIVE		MARSHALLS HOUSING CL Light (Panel Van)	VAUXHALL VIVARO	D		19/07/16	41911		1220	3.3	12,539		1	3.02	
T666	AE64WRD	LIVE		MURKETT'S R HOUSING CL Car Derived Van	L2HI 2300 1.3 CDT19C	D		19/09/14	64326		1889	5.2	12,429		1	2.99	
T641	RK60SVV	LIVE		INCHAPE FOI CLEAN,SAFE Light Tipper	350MWB TRANSIT	D		09/09/10	101438		3360	9.2	11,019		1	2.65	
T658	GV61LFT	LIVE		TRAFALGAR CLEAN,SAFE Light Tipper	TRANSIT 125 T350 R	D		26/07/13	65231		2309	6.3	10,312		1	2.48	
T690	CN17HCE	LIVE		LOOKERS EN/HEALTH (Light (Panel Van)	PEUEGOT EXPERT	D		07/09/17	22580		805	2.2	10,238		1	2.46	
T672	GK64AYW	LIVE		NORTHERN CLEAN,SAFE Light Tipper	IVECO DAILY35C	D		18/02/15	48629		1737	4.8	10,219		1	2.46	
T681	PD16GHV	LIVE		LINCOLN COI REFUSE D.S. Car Derived Van	CITREON L10	D		01/08/16	31973		1207	3.3	9,669		1	2.33	
T645	VU57XHM	LIVE		LEASE/SECT ENVIRON. HE Light (Panel Van)	MOVANO	D		07/02/08	110135		4305	11.8	9,338		1	2.25	
T640	RK60SYC	LIVE		INCHAPE FOI CLEAN,SAFE Light Tipper	350 LWB D/CAB	D		08/09/10	82800		3361	9.2	8,992		1	2.16	
T655	RJ62LKV	LIVE		INCHCAPE W HOUSING CL Light Tipper	TRANSIT 350 LWB C	D		28/12/12	60736		2519	6.9	8,801		1	2.12	
T673	GK64AYX	LIVE		NORTHERN CLEAN,SAFE Light Tipper	DAILY35C13	D		24/02/15	40737		1731	4.7	8,590		1	2.07	
T662	KP14DVG	LIVE		MARSHALLS CENTRAL MA Car Derived Van	RENAULT ML19 KAN D			25/07/14	44799		1945	5.3	8,407		1	2.02	
T644	HY57HGJ	LIVE		FITTERS Car Derived Van	VAUXHALL COMBO	D		17/01/08	99617		4326	11.9	8,405		1	2.02	
T669	GK64AYT	LIVE		NORTHERN CLEAN,SAFE Light Tipper	DAILY 35C13	D		24/02/15	39594		1731	4.7	8,349		1	2.01	
T651	RV61LWG	LIVE		INCHAPE FOI CLEAN,SAFE Light Tipper	FORD TRANS 100 T3	D		17/10/11	65237		2957	8.1	8,053		1	1.94	
T676	LT65XEP	LIVE		MARSHALL CLEAN,SAFE Light Tipper	VAUXHALL MONAVC	D		28/09/15	32061		1515	4.2	7,724		1	1.86	
T609	LN08VZT	LIVE		EVANS HALS GROUND MA Light Tipper	TRANSIT 350L TIPPE	D		05/06/08	83071		4186	11.5	7,243		1	1.74	
2000	LL57FBC	LIVE		MARSHALL S ENVIRON. HE Light (Panel Van)	VAUXHALL VIVARO	D		13/11/17	13924		738	2.0	6,887		1	1.66	
T657	RO13HSC	LIVE		INCHAPE FOI CLEAN,SAFE Light Tipper	FORD TRANSIT 350 I D			25/04/13	44840		2401	6.6	6,786		1	1.63	
T621	LM58GFK	LIVE		DAVE LEVICK ENVIRON. HE Car Derived Van	CITROEN BERLINGO	D		09/02/09	73165		3937	10.8	6,783		1	1.63	
T670	GK64AYU	LIVE		NORTHERN CLEAN,SAFE Light Tipper	IVECO DAILY 35C13	D		16/02/15	30280		1739	4.8	6,355		1	1.53	
T654	RE62NSU	LIVE		INCHCAPE F HOUSING CL Light Tipper	TRANSIT CONNECT	D		27/11/12	42386		2550	7.0	6,067		1	1.46	
T633	LM59RCX	LIVE		EVANS HALS HOUSING CL Car Derived Van	1.3CDTI 16V COMBO	D		04/12/09	60430		3639	10.0	6,061		1	1.46	
T611	LM08LDJ	LIVE		EVANS HALS GROUND MA Light Tipper	TRANSIT 350L	D		06/06/08	68751		4185	11.5	5,996		1	1.44	
T689	CN17HCF	LIVE		LOOKERS EN/HEALTH (Light (Panel Van)	PEUGEOT EXPERT	D		11/09/17	12417		801	2.2	5,658		1	1.36	
T656	RO13HSA	LIVE		INCHAPE FOI CEMETRIES (Light Tipper	FORD TRANSIT 350	D		25/04/13	37201		2401	6.6	5,655		1	1.36	
T667	AF94MSO	LIVE		MURKETT'S R HOUSING CL Car Derived Van	VAUXHALL COMBO	D		30/09/14	27340		1878	5.1	5,314		1	1.28	
T668	GK64AYS	LIVE		NORTHERN CLEAN,SAFE Light Tipper	IVECO DAILY35C13	D		16/02/15	25047		1739	4.8	5,257		1	1.27	
4006	LT68JUU	LIVE		SLIP END GA CLEAN,SAFE Pickup	ISUZU D-MAX 4 X 4	D		06/12/18	4864		350	1.0	5,072		1	1.22	
T620	LM58GFJ	LIVE		DAVE LEVICK ENVIRON. HE Car Derived Van	CITROEN BERLINGO	D		09/02/09	53409		3937	10.8	4,952		1	1.19	
T659	S3HFV	LIVE		FLEET MANA Light (Panel Van)	PEUGOT BOXER	D		14/11/13	28064		2198	6.0	4,660		1	1.12	
2001	LN68KUY	LIVE		THURLOW NI HOUSING CL Light (Panel Van)	VAUXHALL VIVARO	D		26/10/18	4737		391	1.1	4,422		1	1.06	
T606	YH05MZV	LIVE		VAUXHALL LI I.T.SUPPORT Car Derived Van	VAUXHALL ASTRA 1	D		07/05/05	60369		5311	14.6	4,149		1	1.00	
T671	GK64AYV	LIVE		NORTHERN CLEAN,SAFE Light Tipper	IVECO DAILY 35C13	D		16/02/15	19234		1739	4.8	4,037		1	0.97	
T604	LP08HZU	LIVE		EVANS HALS FITTERS Light (Panel Van)	TRAN 100 T350L RW	D		30/07/08	41860		4131	11.3	3,699		1	0.89	
4007	KD19AOA	LIVE		THURLOW NI CLEAN,SAFE Light Tipper	VAUXHALL MOVANC	D		16/07/19	1024		128	0.4	2,920		1	0.70	
T688	LS17NPG	LIVE		MARSHALLS CLEAN,SAFE Light Tipper	MOVANO TIPPER	D		07/06/17	6298		897	2.5	2,563		1	0.62	
4005	LR18KDJ	LIVE		THURLOW NI CLEAN,SAFE Light (Panel Van)	VAUXHALL MOVANC	D		31/07/18	3003		478	1.3	2,293		1	0.55	
T679	LS65FLP	LIVE		MARSHALL C VEHICLE REF Light (Panel Van)	MOVANO 3.0CDTI	D		17/12/15	5708		1435	3.9	1,452		1	0.35	
2005	LR69RWY	LIVE		THURLOW NI HOUSING CL Light (Panel Van)	VAUXHALL MOVANC	D		18/09/19	233		64	0.2	1,329		1	0.32	
2002	KD19ANV	LIVE		THURLOW NI HOUSING CL Light (Panel Van)	VAUXHALL MOVANC	D		08/07/19			136	0.4	-		1	0.00	
2003	KF19FUE	LIVE		THURLOW NI HOUSING CL Car Derived Van	VAUXHALL COMBO	D		08/08/19			105	0.3	-		1	0.00	
2004	KF19HRW	LIVE		THURLOW NI HOUSING CL Car Derived Van	VAUXHALL COMBO	D		09/08/19			104	0.3	-		1	0.00	
													Subtotal	353,522		85.09	
													Total	1,124,523		397.93	

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Account No.	Site name	Site address 1	Site address 2	Site address 3	Site address 4	Site address 5	Site Address Post Code	Meter number	Confirmation of date coverage	Electricity kWh	Cost (Net)	TonnesCO2e	HRA (✓)
KC37223N	DBC - HEMEL HEMPSTEAD THE FORUM	HEMEL HEMPSTEAD	COOMBE STREET				Hemel Hempstead HP1 1HJ	MG16K000	01/01/2019 - 31/	597,079	£87,988.00	152.61	
KC37223J	DBC - CUPID GREEN DEPOT	Cupid Green Depot					Hemel Hempstead HP2 7BA	NG17K001	01/01/2019 - 31/	266,649	£34,754.88	68.16	
KC370694	DBC - CHAPEL STREET	Chapel Street	Elderly People's Flats				Hemel Hempstead HP2 5AA	K15A0009	01/01/2019 - 31/	241,039	£32,982.46	61.61	✓
KC370695	DBC - MAYLANDS BUSINESS CENTRE	Maylands Business Centre					Hemel Hempstead HP2 7ES	K08FB007	01/01/2019 - 31/	151,307	£22,495.90	38.67	
KC37223H	DBC - WATER GARDENS CAR PARK	Water Gardens Car Pa	Bridge Street				Hemel Hempstead HP1 1EG	E1129937	01/01/2019 - 31/	84,396	£10,480.60	21.57	
KC370472	DBC - EVELYN SHARP HOUSE	Evelyn Sharp House					Hemel Hempstead HP2 4RX	L02E0549	01/01/2019 - 31/	73,598	£9,481.12	18.81	✓
KC37223T	DBC - NON POSTAL KIOSK	NON POSTAL KIOSK	ADJ. BOWLS CL	GADEBRI			Hemel Hempstead HP1 1DN	K17A0050	01/01/2019 - 31/	70,425	£9,875.03	18.00	
KC370689	DBC - ELIZABETH HOUSE	Elizabeth House	St Mary's Road				Hemel Hempstead HP2 5HH	L02E0495	01/01/2019 - 31/	68,223	£8,620.54	17.44	✓
KC370518	DBC - THEATRE & OFFICES	Theatre & Offices	161 High Street				Berkhamsted HP4 3HD	E1129915	01/01/2019 - 31/	68,002	£8,692.39	17.38	
KC370479	DBC - THE BURY	The Bury					Hemel Hempstead HP1 1UO	E1320624	01/01/2019 - 31/	65,358	£6,511.94	16.71	
KC370431	DBC - HOLLY TREE COURT	Holly Tree Court	St Albans Road				Hemel Hempstead HP2 4XY	I04EB026	01/01/2019 - 31/	63,812	£7,859.98	16.31	✓
KC37223G	DBC - THE MARLOWES SHOPPING CENTRE	The Marlowes Shopping Zone	NEAR TO : Hemps	Marlow	Hertfordsh		HP1 1BJ	NG16K00K	01/01/2019 - 31/	60,704	£10,597.80	15.52	
KC370375	DBC - CENTRAL NURSERY	Central Nursery					Hemel Hempstead HP3 9BY	E1129526	01/01/2019 - 31/	52,927	£6,826.04	13.53	
KC370471	DBC - EMMA ROTHSCHILD COURT	Emma Rothschild Cour	Silk Mill Way	Tring			Hemel Hempstead HP23 5HX	E18ML134	01/01/2019 - 31/	50,403	£6,747.65	12.88	✓
KC37223K	DBC - GROVEHILL & WOODHALL FARM	Grovehill & Woodhall Farm					Hemel Hempstead HP2 7BA	E1320544	01/01/2019 - 31/	47,844	£7,655.26	12.23	
KC37223V	DBC - LANDLORDS SUPPLY	Landlords Supply	Pond Close Flats				Tring HP23 5BE	E1320621	01/01/2019 - 31/	46,191	£6,309.60	11.81	✓
KC370378	DBC - TWO BEECHES	Two Beeches	Avon Square				Hemel Hempstead HP2 6BG	E19ML034	01/01/2019 - 31/	42,686	£4,275.01	10.91	✓
KC370698	DBC - ADEYFIELD COMMUNITY CENTRE	Queens Square					Hemel Hempstead HP2 4EW	E1129940	01/01/2019 - 31/	41,842	£5,376.03	10.69	
KC370476	DBC - OLD TOWN HALL	Old Town Hall	High Street				Hemel Hempstead HP1 3AE	E19ML082	01/01/2019 - 31/	38,313	£4,825.02	9.79	
KC370688	DBC - 9 HIGH STREET	9 High Street					Hemel Hempstead HP23 5AH	E1220135	01/01/2019 - 31/	34,960	£4,524.37	8.94	
KC370625	DBC - BERKHAMSTED CIVIC CTR GRGE	Civic Centre	161 High Street				Berkhamsted HP4 3HD	E1220754	01/01/2019 - 31/	34,704	£4,458.62	8.87	
KC37222Y	DBC - BRICKFIELDS IND EST	Brickfields Industrial Es	Unit 12 Finway Road				Hemel Her Hertfordsh HP2 7PT	E18ML162	01/01/2019 - 31/	33,143	£4,286.04	8.47	
KC37222Z	DBC - CUPID GREEN, SPORTS PAV	Cupid Green	Sports Pavilion	Redbourn			Hemel Her Hertfordsh HP2 5UD	E18ML094	01/01/2019 - 31/	29,953	£3,669.73	7.66	
KC37223P	DBC - THE BUNGALOW	THE BUNGALOW	REDBOURN ROAD				Hemel Her Hertfordsh HP2 7BA	NG17K011	01/01/2019 - 31/	29,718	£5,781.97	7.60	
KC370436	DBC - FLORENCE LONGMAN HOUSE	Florence Longman Ho	Weymouth Street				Hemel Hempstead HP3 9SN	I05EB017	01/01/2019 - 31/	29,280	£2,980.27	7.48	✓
KC370026	DBC - 1-40 GADE TOWER	1-40 Gade Tower					Hemel Hempstead HP3 8AE	E18ML175	01/01/2019 - 31/	29,078	£3,988.88	7.43	✓
KC370697	DBC - LEVERSTOCK GREEN COMMUNITY	Village Centre					Hemel Hempstead HP3 8QG	E19ML034	01/01/2019 - 31/	28,477	£3,652.17	7.28	
KC370473	DBC - ELDERLY PEOPLE HOMES	Elderly People Homes	Fletcher Way				Hemel Hempstead HP2 5QP	I06EB032	01/01/2019 - 31/	27,001	£3,553.93	6.90	✓
KC370324	DBC - 52-54A TROWLEY HILL ROAD	52-54a Trowley Hill Ro	Flamstead	ST Albans			Hemel Hempstead AL3 8DX	E19ML017	01/01/2019 - 31/	24,606	£2,585.19	6.29	✓
KC370455	DBC - 32-37 RICE CLOSE	32-37 Rice Close					Hemel Hempstead HP2 5LU	E18ML163	01/01/2019 - 31/	24,012	£2,958.27	6.14	✓
KC370627	DBC - COMMUNAL DAY ROOM	Communal Day Room	The Driftway				Hemel Hempstead HP2 4EA	E19ML012	01/01/2019 - 31/	23,953	£3,108.58	6.12	✓
KC370475	DBC - GILBERT BURNET HOUSE	Gilbert Burnet House	Long John				Hemel Hempstead HP3 9ND	L02E0548	01/01/2019 - 31/	23,783	£3,027.29	6.08	✓
KC370364	DBC - 1-37 PELHAM COURT	1-37 Pelham Court					Hemel Hempstead HP2 4UW	E19ML041	01/01/2019 - 31/	23,677	£2,932.68	6.05	✓
KC370434	DBC - PHYLLIS COURTNAGE HOUSE	Landlords supply/Lt	Si Phyllis Court	nage House			Smithfields Hemel Her HP2 5YN	E18ML165	01/01/2019 - 31/	23,012	£2,765.44	5.88	✓
KC370358	DBC - WILLIAM CROOK HOUSE	William Crook House	Green End Lane				Hemel Hempstead HP1 2BH	E18ML165	01/01/2019 - 31/	22,783	£2,397.64	5.82	✓
KC370322	DBC - STAIR LIGHTS & LIFT	Stair Lights & Lift	64 Eastwick Row				Hemel Hempstead HP2 4JQ	E18ML165	01/01/2019 - 31/	22,366	£2,847.44	5.79	✓
KC370383	DBC - 39-76 PELHAM COURT	39-76 Pelham Court					Hemel Hempstead HP2 4UR	E19ML041	01/01/2019 - 31/	22,364	£2,802.85	5.72	✓
KC37222D	DBC - VICTORIA HALL	Victoria Hall	Akeman Street				Tring Hertfordsh HP23 6AA	E16ML03C	01/01/2019 - 31/	21,539	£2,758.72	5.51	
KC370305	DBC - 40-63 EASTWICK ROW	40-63 Eastwick Row					Hemel Hempstead HP2 4JU	E18ML165	01/01/2019 - 31/	20,898	£2,345.98	5.34	✓
KC370469	DBC - LANDLORD SUPPLY	Landlord Supply	Astley Road				Hemel Hempstead HP1 1XA	Z07E0005	01/01/2019 - 31/	20,578	£2,571.04	5.26	✓
KC370648	DBC - COMMUNAL ROOM - M3	Communal Room	Old House Court				Hemel Hempstead HP2 4EG	E19ML011	01/01/2019 - 31/	19,881	£2,578.03	5.08	✓
KC37222W	DBC - WOODWELLS CARAVAN PARK	Woodwells Caravan Pa	Buncefield Lane				Hemel Her Hertfordsh HP2 7HY	E19ML023	01/01/2019 - 31/	19,080	£2,445.07	4.88	
KC37222F	DBC - FOUNTAIN KIOSK, BANK COURT,	Bank Court	Marlowes				Hemel Her Hertfordsh HP1 1BZ	F94E0050	01/01/2019 - 31/	19,052	£2,571.96	4.87	
KC370604	DBC - ADVENTURE PLAYGROUND	Adventure Playground	Rant Meadow				Hemel Hempstead HP3 8EQ	E1129648	01/01/2019 - 31/	18,890	£2,410.60	4.83	
KC370320	DBC - DOUGLAS GARDENS	Douglas Gardens					Berkhamsted HP4 3PE	A14LB053	01/01/2019 - 31/	18,881	£2,266.39	4.83	✓
KC370643	DBC - GREAT STURGES ROAD	Communal Hall	Great Sturges Road				Hemel Hempstead HP1 2LJ	E18ML173	01/01/2019 - 31/	18,328	£2,381.64	4.68	✓
KC37222J	DBC - ADVENTURE PLAYGRD, LONG CHA	Adventure Playground	Long Chaulden				Hemel Her Hertfordsh HP1 2NX	E16ML073	01/01/2019 - 31/	18,261	£2,359.35	4.67	
KC370441	DBC - 1-30 WILLOW EDGE	1-30 Willow Edge	Kings Langley				Hemel Hempstead WD4 8NE	L82E0142	01/01/2019 - 31/	17,884	£2,342.15	4.57	✓
KC370166	DBC - 37-47 BRIEY WAY	37-47 Briey Way					Hemel Hempstead HP2 7AP	E19ML079	01/01/2019 - 31/	17,155	£2,256.51	4.38	✓
KC370445	DBC - 150-174 SATURN WAY	150-174 Saturn Way					Hemel Hempstead HP2 5PF	E19ML083	01/01/2019 - 31/	16,462	£2,082.45	4.21	✓
KC370678	DBC - DUDLEY HOUSE	Dudley House	Bovingdon				Hemel Hempstead HP3 0NR	L02E0382	01/01/2019 - 31/	16,376	£2,098.96	4.19	✓
KC370349	DBC - CHRISTOPHER COURT	Christopher Court	Seaton Road				Hemel Hempstead HP3 9LG	I03EB009	01/01/2019 - 31/	16,132	£1,801.10	4.12	✓
KC370470	DBC - BLOCK 28 BOILER ROOM	Block 28 Boiler Room	Rosebery Way	Tring			Hemel Hempstead HP23 5DS	E18ML175	01/01/2019 - 31/	15,453	£1,976.68	3.95	✓
KC370637	DBC - COMMUNAL ROOM - M2	Communal Room	Gravel Lane				Hemel Hempstead HP1 1SB	E18ML168	01/01/2019 - 31/	14,933	£1,951.16	3.82	✓
KC370606	DBC - OAK LAWNS - M2	Oak Lawns	Akeman Street	Tring			Hemel Hempstead HP23 6AH	E19ML005	01/01/2019 - 31/	14,176	£1,813.86	3.62	✓
KC37223L	DBC - WATER GARDEN FRIENDS BUILDIN	Water Garden Friends	Combe Street				Hemel Hempstead HP1 1HL	E16ML091	01/01/2019 - 31/	12,909	£1,577.19	3.30	
KC372238	DBC - WOOLMER DRIVE	51 Woolmer Drive					Hemel Hempstead HP2 4PE	E1021775	01/01/2019 - 31/	12,824	£1,611.94	3.28	✓
KC370563	DBC - 3-12 WAVENEY	3-12 Waveney					Hemel Hempstead HP2 6DQ	E19ML016	01/01/2019 - 31/	12,704	£1,605.07	3.25	✓
KC370407	DBC - 43-89 FENNYCROFT ROAD	43-89 Fennycroft Road					Hemel Hempstead HP1 3PD	E19ML082	01/01/2019 - 31/	12,581	£1,423.15	3.22	✓
KC37222G	DBC - SPORTS PAV, WASHINGTON	Sports Pavilion	Washington Avenue				Hemel Her Hertfordsh HP2 6LT	E18ML163	01/01/2019 - 31/	12,219	£1,519.00	3.12	
KC370480	DBC - SPORTS PAVILION	Sports Pavilion	Belswains Playing Field				Hemel Hempstead HP3 9UP	E1320624	01/01/2019 - 31/	11,940	£1,434.26	3.05	
KC37222C	DBC - ADEYFIELD ADVENTURE PLAYGR	Adeyfield Adventure Pl	Turners Hill				Hemel Her Hertfordsh HP2 4LW	E16ML072	01/01/2019 - 31/	11,821	£1,475.32	3.02	
KC370483	DBC - COMMUNAL ROOM	Communal Room	Southernwood Close				Hemel Her Hertfordsh HP2 5JT	E19ML011	01/01/2019 - 31/	10,910	£1,371.22	2.79	✓
KC372237	DBC - TRINGFORD ROAD DEPOT	Tringford Road Depot	Tringford Road	Hertfordsh	Tring		HP23 4LH	E1420001	01/01/2019 - 31/	10,677	£1,369.53	2.73	
KC372232	DBC - MARKET STORE CAR-PARK	Market Store Car-Park					Hemel Her Hertfordsh HP1 1EP	E18ML115	01/01/2019 - 31/	10,581	£1,177.48	2.70	
KC370444	DBC - 14-19 RICE CLOSE	14-19 Rice Close					Hemel Hempstead HP2 5LU	E19ML014	01/01/2019 - 31/	9,811	£1,220.10	2.51	✓
KC370628	DBC - COMPASS POINT	Compass Point	Berkhamsted				Hemel Hempstead HP4 3XD	A11LB365	01/01/2019 - 31/	9,724	£1,249.89	2.49	✓
KC370611	DBC - 104-114	104-114	Queens Square				Hemel Hempstead HP2 4EW	Z99E0234	01/01/2019 - 31/	9,003	£1,261.32	2.30	
KC370333	DBC - BELLGATE CENTRE	Bellgate Centre					Hemel Hempstead HP2 5SB	E1220757	01/01/2019 - 31/	8,910	£867.56	2.28	
KC37223B	DBC - TRING COMMUNITY CENTRE	Tring Community Centr	Silk Mill Way	Tring	Herts		HP23 5EP	Z06E0744	01/01/2019 - 31/	8,892	£1,109.06	2.27	
KC370629	DBC - COMMUNAL ROOM - M1	Communal Room	Crawley Drive				Hemel Hempstead HP2 6BX	E19ML034	01/01/2019 - 31/	8,565	£1,091.24	2.19	✓
KC370605	DBC - OAK LAWNS - M1	Oak Lawns	Akeman Street	Tring			Hemel Her Hemel Her HP23 6AH	E19ML023	01/01/2019 - 31/	8,303	£1,061.32	2.12	✓
KC370326	DBC - ROSSGATE	Rossgate					Hemel Hempstead HP1 3LG	E18ML195	01/01/2019 - 31/	8,254	£900.36	2.11	
KC370036	DBC - 1-7 CRAWLEY DRIVE	1-7 Crawley Drive					Hemel Hempstead HP2 6BX	E18ML195	01/01/2019 - 31/	7,549	£845.87	1.93	✓
KC370631	DBC - APSLEY PUBLIC CONVENIENCES	Apsley Public Convenie	Durrants Hill				Hemel Hempstead HP3 9RF	E1220757	01/01/2019 - 31/	7,050	£903.08	1.80	
KC370069	DBC - 1-4 & 9-12 VILLAGE CENTRE	1-4 & 9-12 Village Centre					Hemel Hempstead HP3 8QG	E19ML015	01/01/2019 - 31/	6,952	£896.16	1.78	
KC370657	DBC												

KC370572	DBC - 41-51 BEECH DRIVE	41-51 Beech Drive	Berkhamsted	Hemel Hempstead	HP4 2HG	E19ML018 01/01/2019 - 31/	3,486	£443.28	0.89	✓	
KC370351	DBC - THE GABLES HALL	The Gables Hall	Prince Edward Street	Berkhamsted	HP4 3EL	E18ML195 01/01/2019 - 31/	3,389	£421.12	0.87		
KC370481	DBC - 4-15 SURREY PLACE	4-15 Surrey Place	Tring	Hemel Hempstead	HP23 3AL	E19ML078 01/01/2019 - 31/	3,363	£425.09	0.86	✓	
KC37222K	DBC - GADEBRIDGE PARK PLAYGROUND	Gadebridge Park Playground		Hemel Her Hertfordsh	HP1 1LS	D50C0424 01/01/2019 - 31/	3,294	£418.93	0.84		
KC370500	DBC - 12 WAVENEY - M4	12 Waveney		Hemel Hempstead	HP2 6DH	E19ML015 01/01/2019 - 31/	3,159	£402.83	0.81	✓	
KC372222	DBC - 30-47 QUEENS SQUARE	30-47 Queens Square		Hemel Her Hertfordsh	HP2 4ER	E12ML006 01/01/2019 - 31/	3,119	£332.18	0.80		
KC370148	DBC - 31-35 FIGTREE HILL	31-35 Figtree Hill		Hemel Hempstead	HP2 5HG	E19ML075 01/01/2019 - 31/	3,105	£367.30	0.79	✓	
KC370174	DBC - 38 LONG CHAULDEN	38 Long Chaulden		Hemel Hempstead	HP1 2HX	E18ML173 01/01/2019 - 31/	3,011	£303.15	0.77		
KC370635	DBC - 17-35 GOSSOMS RYDE - M1	17-35 Gossoms Ryde		Berkhamsted	HP4 2HD	E19ML013 01/01/2019 - 31/	2,960	£379.83	0.76	✓	
KC370607	DBC - OAK LAWNS - M3	Oak Lawns	Akemans Street Tring	Hemel Hempstead	HP23 6AH	E19ML078 01/01/2019 - 31/	2,951	£376.95	0.75	✓	
KC370658	DBC - TRING CEMETERY	Tring Cemetery	Cemetery Lodge Aylesbury	Hemel Hempstead	HP23 5JU	E13Z0525 01/01/2019 - 31/	2,887	£373.74	0.74	✓	
KC370512	DBC - 147 WAVENEY	147 Waveney		Hemel Hempstead	HP2 6DJ	E19ML015 01/01/2019 - 31/	2,712	£345.82	0.69	✓	
KC370281	DBC - 177-189 LONGLANDS	177-189 Longlands		Hemel Hempstead	HP2 4EN	E18ML195 01/01/2019 - 31/	2,674	£285.57	0.68	✓	
KC370503	DBC - 1-24 RIVERSIDE GARDENS	1-24 Riverside Garden	Berkhamsted	Hemel Hempstead	HP4 1DN	E19ML013 01/01/2019 - 31/	2,528	£326.11	0.65	✓	
KC370608	DBC - 1-23 MILL BANK	1-23 Mill Bank		Hemel Hempstead	HP3 9RN	Z02E0117 01/01/2019 - 31/	2,516	£322.16	0.64	✓	
KC370087	DBC - 16-22A CROFT END ROAD	16-22A Croft End Roac	Kings Langley	Hemel Hempstead	WD4 9EF	E19ML014 01/01/2019 - 31/	2,485	£266.23	0.64	✓	
KC370185	DBC - 401-411 WARNERS END ROAD	401-411 Warners End Road		Hemel Hempstead	HP1 3QE	E17ML038 01/01/2019 - 31/	2,480	£266.48	0.63	✓	
KC370046	DBC - 121 BELSWAINS LANE	121 Belswains Lane		Hemel Hempstead	HP3 9NH	S74E0022 01/01/2019 - 31/	2,475	£296.80	0.63		
KC37222M	DBC - BELLGATE CENTRE M2	Bellgate Centre	Highfield	Hemel Her Hertfordsh	HP2 5SB	E16ML046 01/01/2019 - 31/	2,441	£315.57	0.62		
KC370118	DBC - 2-24 GATECROFT	2-24 Gatecroft		Hemel Hempstead	HP3 9NA	E19ML014 01/01/2019 - 31/	2,437	£231.97	0.62	✓	
KC370192	DBC - 42 PESCOT HILL	42 Pescot Hill		Hemel Hempstead	HP1 3HD	E19ML021 01/01/2019 - 31/	2,378	£267.15	0.61	✓	
KC370134	DBC - 27-38 PHEASANT CLOSE	27-38 Pheasant Close		Berkhamsted	HP4 2HQ	E19ML018 01/01/2019 - 31/	2,288	£296.97	0.58	✓	
KC370700	DBC - PUBLIC CONVENIENCE VILLAGE C	Public Convenience	Village Centre	Leverstoc	Hemel Her Hertfordsh	HP3 8QG	E11BG424 01/01/2019 - 31/	2,277	£290.98	0.58	
KC370463	DBC - 50-53 RICE CLOSE	50-53 Rice Close		Hemel Hempstead	HP2 5LU	E19ML021 01/01/2019 - 31/	2,276	£305.91	0.58	✓	
KC370468	DBC - 93-151 ROSEBERRY WAY	93-151 Roseberry Way	Tring	Hemel Hempstead	HP23 5EW	E19ML017 01/01/2019 - 31/	2,267	£288.79	0.58	✓	
KC370579	DBC - 50-60 FENNYCROFT ROAD	50-60 Fennycroft Road		Hemel Hempstead	HP1 3PE	E18ML193 01/01/2019 - 31/	2,236	£286.88	0.57	✓	
KC370124	DBC - 2-48 FIGTREE HILL	2-48 Figtree Hill		Hemel Hempstead	HP2 5HQ	Z07ER041 01/01/2019 - 31/	2,235	£283.27	0.57	✓	
KC370458	DBC - 44-49 RICE CLOSE	44-49 Rice Close		Hemel Hempstead	HP2 5LU	E19ML021 01/01/2019 - 31/	2,229	£289.47	0.57	✓	
KC370201	DBC - 46-62 WESTERDALE	46-62 Westerdale		Hemel Hempstead	HP2 5TJ	E19ML077 01/01/2019 - 31/	2,227	£251.80	0.57	✓	
KC370453	DBC - 31-59 HILLTOP ROAD	31-59 Hilltop Road		Berkhamsted	HP4 2HL	Z01E0629 01/01/2019 - 31/	2,225	£274.88	0.57	✓	
KC370131	DBC - 26-31 RICE CLOSE	26-31 Rice Close		Hemel Hempstead	HP2 5LU	E19ML023 01/01/2019 - 31/	2,207	£242.61	0.56	✓	
KC370061	DBC - 131-141 SATURN WAY	131-141 Saturn Way		Hemel Hempstead	HP2 5PE	E18ML173 01/01/2019 - 31/	2,166	£228.55	0.55	✓	
KC370467	DBC - 7-12 RICE CLOSE	7-12 Rice Close		Hemel Hempstead	HP2 5LU	E19ML021 01/01/2019 - 31/	2,157	£275.64	0.55	✓	
KC370636	DBC - 17-35 GOSSOMS RYDE - M2	17-35 Gossoms Ryde		Berkhamsted	HP4 2HD	E19ML013 01/01/2019 - 31/	2,139	£275.19	0.55	✓	
KC37223X	DBC - 4-9 FARM PLACE	4-9 Farm Place		Berkhams Hertfordsh	HP4 3AU	Z18Q2551 01/01/2019 - 31/	2,076	£279.25	0.53		
KC370065	DBC - 13-24 THE ROWANS	13-24 The Rowans		Hemel Hempstead	HP1 1RX	E18ML174 01/01/2019 - 31/	2,057	£219.36	0.53	✓	
KC370442	DBC - 131-141 LONDON ROAD	131-141 London Road		Hemel Hempstead	HP3 9SQ	E19ML017 01/01/2019 - 31/	2,034	£256.48	0.52	✓	
KC370620	DBC - CEMETERY HILL	Cemetery Hill	Heath Lane	Hemel Hempstead	HP1 1TS	E12Z0983 01/01/2019 - 31/	1,937	£246.16	0.50		
KC370610	DBC - APSLEY INDUSTRIAL ESTATE	Apsley Industrial Estate	Kents Avenue	Hemel Hempstead	HP3 9XH	E12Z0757 01/01/2019 - 31/	1,909	£244.31	0.49		
KC370427	DBC - 1-15 BELSWAINS GREEN	1-15 Belswains Green		Hemel Hempstead	HP3 9PL	E19ML025 01/01/2019 - 31/	1,903	£207.23	0.49	✓	
KC370652	DBC - PHYLLIS COURTNAGE HOUSE	Landlord supply/lights/1	Phyllis Courtage House	Smithfields Hemel Her	HP2 5YN	E19ML022 01/01/2019 - 31/	1,901	£244.11	0.49	✓	
KC370666	DBC - 13-1445 ST ALBANS HILL	13-1445 St Albans Hill		Hemel Hempstead	HP3 9NH	Z05E0698 01/01/2019 - 31/	1,899	£238.74	0.49	✓	
KC370341	DBC - 46-48A PICKFORD ROAD	46-48a Pickford Road	Markyate	St Albans	Hemel Hempstead	AL3 8RR	E19ML019 01/01/2019 - 31/	1,854	£234.73	0.47	✓
KC370456	DBC - 38-43 RICE CLOSE	38-43 Rice Close		Hemel Hempstead	HP2 5LU	E19ML023 01/01/2019 - 31/	1,843	£245.34	0.47	✓	
KC37222Q	DBC - SPORTS PAVILION, HIGH STREET	Sports Pavilion	High Street Green	Hemel Her Hertfordsh	HP2 7AA	E18ML115 01/01/2019 - 31/	1,785	£230.99	0.46		
KC370325	DBC - 3-50 SINGLES LANE	3-50 Singles Lane	Flamstead	St Albans	Hemel Hempstead	AL3 8EN	E19ML017 01/01/2019 - 31/	1,780	£186.12	0.45	✓
KC370646	DBC - LANDLORDS SUPPLY	Landlords Supply	43 Mayflower Avenue		Hemel Hempstead	HP2 4AF	E19ML011 01/01/2019 - 31/	1,780	£249.36	0.45	✓
KC370603	DBC - 95-105 NORTHEAD	95-105 Northend		Hemel Hempstead	HP3 8TW	E19ML08C 01/01/2019 - 31/	1,755	£223.21	0.45	✓	
KC370311	DBC - BLOCK 1-14 PHEASANT CLOSE - M	Block 1-14 Pheasant Close		Berkhamsted	HP4 2HQ	E19ML018 01/01/2019 - 31/	1,751	£191.32	0.45	✓	
KC370308	DBC - 1 THE DENES	1 The Denes		Hemel Hempstead	HP3 8AP	F86E0424 01/01/2019 - 31/	1,727	£167.46	0.44		
KC370278	DBC - 191-203 LONGLANDS	191-203 Longlands		Hemel Hempstead	HP2 4EL	Z01E0355 01/01/2019 - 31/	1,718	£186.11	0.44	✓	
KC370665	DBC - 104-120 WOOD VIEW	104-120 Wood View		Hemel Hempstead	HP1 3HS	E19ML105 01/01/2019 - 31/	1,710	£193.49	0.44	✓	
KC370426	DBC - 115-125 LONDON ROAD	115-125 London Road		Hemel Hempstead	HP3 9SQ	E19ML025 01/01/2019 - 31/	1,694	£204.21	0.43	✓	
KC370425	DBC - 49-55 QUEENS SQUARE	49-55 Queens Square		Hemel Hempstead	HP2 4EW	E18ML195 01/01/2019 - 31/	1,685	£197.77	0.43		
KC370340	DBC - 42-44A PICKFORD ROAD	42-44a Pickford Road	Markyate	St Albans	Hemel Hempstead	AL3 8RR	E19ML017 01/01/2019 - 31/	1,680	£164.45	0.43	✓
KC370141	DBC - 28-44 WESTERDALE	28-44 Westerdale		Hemel Hempstead	HP2 5TJ	E19ML077 01/01/2019 - 31/	1,676	£174.99	0.43	✓	
KC370675	DBC - 1-10 SEYMOUR COURT	1-10 Seymour Court	Seymour Road	Northhurr	Berkhamsted	HP4 3RZ	Z97E0186 01/01/2019 - 31/	1,641	£173.85	0.42	✓
KC372226	DBC - NEIGHBOURHOOD CTR, THE HEIG	Neighbourhood Centre	The Heights	Hemel Her Hertfordsh	HP2 5NX	S71E0003 01/01/2019 - 31/	1,636	£224.50	0.42		
KC370167	DBC - 37-83 FIGTREE HILL	37-83 Figtree Hill		Hemel Hempstead	HP2 5HG	E19ML078 01/01/2019 - 31/	1,616	£174.89	0.41	✓	
KC370008	DBC - 1 THE HEIGHTS	1 The Heights		Hemel Hempstead	HP2 5NX	Z06ER034 01/01/2019 - 31/	1,616	£168.61	0.41		
KC370449	DBC - 1-6 RICE CLOSE	1-6 Rice Close		Hemel Hempstead	HP2 5LU	E19ML024 01/01/2019 - 31/	1,592	£192.39	0.41	✓	
KC370012	DBC - 10-26 WESTERDALE	10-26 Westerdale		Hemel Hempstead	HP2 5TJ	E19ML077 01/01/2019 - 31/	1,565	£175.42	0.40	✓	
KC370501	DBC - 1-21 ST. PAULS ROAD	1-21 St. Pauls Road		Hemel Hempstead	HP2 5DB	E19ML022 01/01/2019 - 31/	1,540	£197.35	0.39	✓	
KC370549	DBC - 25-39 RIVERSIDE GARDENS	25-39 Riverside Garden	Berkhamsted	Hemel Hempstead	HP4 1DN	E19ML014 01/01/2019 - 31/	1,521	£195.43	0.39	✓	
KC370101	DBC - 195-211 LONDON ROAD	195-211 London Road		Hemel Hempstead	HP3 9SE	E19ML017 01/01/2019 - 31/	1,422	£164.98	0.36	✓	
KC370644	DBC - 1-24 HEDGE ROW	1-24 Hedge Row	Pudding Lane		Hemel Hempstead	HP1 3JQ	E19ML021 01/01/2019 - 31/	1,420	£182.10	0.36	✓
KC370638	DBC - 1-4 OLIVE TAYLOR COURT	1-4 Olive Taylor Court		Hemel Hempstead	HP2 6BP	E19ML013 01/01/2019 - 31/	1,411	£181.40	0.36	✓	
KC370465	DBC - 60-68A GEORGE STREET	60-68a George Street		Berkhamsted	HP4 2EQ	E19ML013 01/01/2019 - 31/	1,398	£175.20	0.36	✓	
KC370533	DBC - 207-213 NORTHEAD	207-213 Northend		Hemel Hempstead	HP3 8TA	E19ML078 01/01/2019 - 31/	1,370	£174.60	0.35	✓	
KC372229	DBC - WARNERS END PAVLION	Warners End Pavillion	Stoneycroft	Hemel Her Hertfordsh	HP1 2QE	E17ML101 01/01/2019 - 31/	1,359	£180.03	0.35		
KC370656	DBC - POUND MEADOW	Pound Meadow	Station Road	Tring	Hemel Hempstead	HP23 5NF	E12Z0757 01/01/2019 - 31/	1,355	£172.88	0.35	
KC370389	DBC - 14 LEYS ROAD	14 Leys Road		Hemel Hempstead	HP3 9LX	E19ML017 01/01/2019 - 31/	1,340	£139.89	0.34	✓	
KC370413	DBC - 68-84 WOOD VIEW	68-84 Wood View		Hemel Hempstead	HP1 3HR	E18ML195 01/01/2019 - 31/	1,325	£157.04	0.34	✓	
KC370416	DBC - 86-102 WOOD VIEW	86-102 Wood View		Hemel Hempstead	HP1 3HS	E18ML195 01/01/2019 - 31/	1,286	£143.32	0.33	✓	
KC370630	DBC - 43-73 DOWNSIDE	43-73 Downside		Hemel Hempstead	HP2 5PU	E19ML028 01/01/2019 - 31/	1,269	£161.97	0.32	✓	
KC370692	DBC - 1-29 HILLTOP ROAD	1-29 Hilltop Road		Berkhamsted	HP4 2HL	E19ML013 01/01/2019 - 31/	1,235	£153.94	0.32	✓	
KC370489	DBC - 111-119 CLAYMORE	111-119 Claymore	Grovehill		Hemel Hempstead	HP2 6LP	E19ML015 01/01/2019 - 31/	1,233	£156.61	0.32	✓
KC370091	DBC - 17-19 & 27- 31 KIMPTON CLOSE	17-19 & 27- 31 Kimpton Close		Hemel Hempstead	HP2 7PN	E19ML075 01/01/2019 - 31/	1,232	£124.87	0.31	✓	
KC370545	DBC - 2-5 GRANGE ROAD	2-5 Grange Road	Wilstone	Tring	Hemel Hempstead	HP23 4PG	E19ML019 01/01/2019 - 31/	1,180	£150.99	0.30	✓
KC370280	DBC - 165-175 LONGLANDS	165-175 Longlands		Hemel Hempstead	HP2 4EN	E18ML195 01/01/2019 - 31/	1,180	£136.58	0.30	✓	
KC370053	DBC - 124-138 NORTHRIDGE WAY	124-138 Northridge Way		Hemel Hempstead	HP1 2AG	E18ML174 01/01/2019 - 31/	1,165	£113.99	0.30	✓	
KC370543	DBC - 23-41 DOWNSIDE	23-41 Downside		Hemel Hempstead	HP2 5DB	E19ML022 01/01/2019 - 31/	1,165	£149.40	0.30	✓	
KC370564	DBC - 32-40 CLAYMORE	32-40 Claymore	Grovehill		Hemel Hempstead	HP2 6LN	E19ML015 01/01/2019 - 31/	1,141	£145.15	0.29	✓
KC370276	DBC - 2-12 OLD HOUSE ROAD	2-12 Old House Road		Hemel Hempstead	HP2 4EE	E19ML081 01/01/2019 - 31/	1,129	£119.90	0.29	✓	
KC370165	DBC - 36-52 VARNEY ROAD	36-52 Varney Road		Hemel Hempstead	HP1 2LW	E19ML011 01/01/2019 - 31/	1,119	£118.66	0.29	✓	
KC370516	DBC - 159-169 NORTHEAD	159-169 Northend		Hemel Hempstead	HP3 8TA	E19ML078 01/01/2019 - 31/	1,109	£142.34	0.28	✓	
KC370173	DBC - 379-395 LONG CHAULDEN	379-395 Long Chaulden		Hemel Hempstead	HP1 2NT	E18ML155 01/01/2019 - 31/	1,108	£120.18	0.28	✓	
KC370234	DBC - 71-81 NORTHEAD	71-81 Northend		Hemel Hempstead	HP3 8TW	E19ML078 01/01/2019 - 31/	1,102	£129.32	0.28	✓	
KC370283	DBC - 13-23 LEVERSTOCK GREEN ROAD	13-23 Leverstock Green Road		Hemel Hempstead	HP2 4HF	S83E3119 01/01/2019 - 31/	1,100	£114.19	0.28	✓	
KC370339	DBC - 205 FLATS	205 Flats	Longlands		Hemel Hempstead	HP2 4EL	E18ML195 01/01/2019 - 31/	1,098	£133.78	0.28	✓
KC370539	DBC - 22-32 MAYFLOWER AVENUE	22-32 Mayflower Avenue		Hemel Hempstead	HP2 4AR	E18ML195 01/01/2019 - 31/	1,078	£137.40	0.28	✓	
KC370128	DBC - 25-30 GATECROFT	25-30 Gatecroft		Hemel Hempstead	HP3 9NA	E19ML017 01/01/2019 - 31/	1,070	£139.41	0.27	✓	
KC370448	DBC - 1-4 OAK DRIVE	1									

KC370523	DBC - 174-182 CLAYMORE	174-182 Claymore	Grovehill	Hemel Hempstead	HP2 6LR	E19ML015 01/01/2019 - 31/	1,031	£131.27	0.26	✓	
KC370661	DBC - 9-16 GRYMSDYKE ROAD	9-16 Grymsdyke Road	Wiggington	Tring	HP23 6ET	E19ML022 01/01/2019 - 31/	1,022	£130.95	0.26	✓	
KC370181	DBC - 1-8 SLEDDALE	1-8 Sleddale		Hemel Hempstead	HP2 5TN	E19ML018 01/01/2019 - 31/	1,006	£128.26	0.26	✓	
KC370680	DBC - 44-50 GEORGE STREET	44-50 George Street	Markyate	St Albans	Hemel Hempstead	AL3 8JX	E19ML017 01/01/2019 - 31/	1,005	£128.47	0.26	✓
KC370028	DBC - 1-11 HIGHLAND DRIVE	1-11 Highland Drive		Hemel Hempstead	HP3 8PT	E18ML173 01/01/2019 - 31/	999	£118.44	0.26	✓	
KC370172	DBC - 37-47 HIGHLAND DRIVE	37-47 Highland Drive		Hemel Hempstead	HP3 8PT	E18ML173 01/01/2019 - 31/	999	£109.49	0.26	✓	
KC370609	DBC - 25-35 KENTS AVENUE	25-35 Kents Avenue		Hemel Hempstead	HP3 9SW	E19ML025 01/01/2019 - 31/	995	£127.47	0.25	✓	
KC370216	DBC - 56-69 CHAULDEN HOUSE GARDEN	56-69 Chaulden House Gardens		Hemel Hempstead	HP1 2BW	E18ML174 01/01/2019 - 31/	992	£122.35	0.25	✓	
KC370368	DBC - 35-40 ARAGON CLOSE	35-40 Aragon Close		Hemel Hempstead	HP2 7LG	E19ML075 01/01/2019 - 31/	979	£120.54	0.25	✓	
KC370511	DBC - 143-153 NORTHEM	143-153 Northend		Hemel Hempstead	HP3 8TW	E19ML080 01/01/2019 - 31/	978	£125.81	0.25	✓	
KC370363	DBC - 135-145 BENNETS END	135-145 Bennets End		Hemel Hempstead	HP3 8DX	E19ML079 01/01/2019 - 31/	976	£127.46	0.25	✓	
KC370466	DBC - 7-10 OAK DRIVE	7-10 Oak Drive		Berkhamsted	HP4 2JP	E18ML173 01/01/2019 - 31/	972	£111.48	0.25	✓	
KC370588	DBC - 62-72 FENNYCROFT ROAD	62-72 Fennycroft Road		Hemel Hempstead	HP1 3PE	E18ML197 01/01/2019 - 31/	972	£123.83	0.25	✓	
KC370184	DBC - 40-46 STONEYCROFT	40-46 Stoneycroft		Hemel Hempstead	HP1 2QE	E18ML176 01/01/2019 - 31/	965	£98.00	0.25	✓	
KC370487	DBC - 107-113 NINIAN ROAD	107-113 Ninian Road		Hemel Hempstead	HP2 6NB	E19ML017 01/01/2019 - 31/	965	£124.02	0.25	✓	
KC370218	DBC - 5-8 DRIFTWAY	5-8 Driftway		Hemel Hempstead	HP2 4EA	E19ML079 01/01/2019 - 31/	961	£100.62	0.25	✓	
KC370660	DBC - 1-8 WESTFIELD ROAD	1-8 Westfield Road	Berkhamsted	Hemel Hempstead	HP4 3QG	E19ML015 01/01/2019 - 31/	959	£122.13	0.25	✓	
KC370669	DBC - 63-79 CLEVES ROAD	63-79 Cleves Road		Hemel Hempstead	HP2 7LQ	E19ML076 01/01/2019 - 31/	959	£99.54	0.25	✓	
KC370080	DBC - 159-169 BENNETTS END ROAD	159-169 Bennetts End Road		Hemel Hempstead	HP3 8DX	E19ML079 01/01/2019 - 31/	951	£105.56	0.24	✓	
KC370664	DBC - 1-4 THE DRIFTWAY	1-4 The Driftway		Hemel Hempstead	HP2 4EA	Z06ER022 01/01/2019 - 31/	949	£100.86	0.24	✓	
KC370526	DBC - 183-193 NORTHEM	183-193 Northend		Hemel Hempstead	HP3 8TA	E19ML080 01/01/2019 - 31/	948	£121.77	0.24	✓	
KC370447	DBC - 1-6 CRABTREE LANE	1-6 Crabtree Lane		Hemel Hempstead	HP3 9JH	E19ML019 01/01/2019 - 31/	946	£118.72	0.24	✓	
KC370213	DBC - 521-531 LONG CHAULDEN	521-531 Long Chaulden		Hemel Hempstead	HP1 2NP	E18ML174 01/01/2019 - 31/	944	£98.78	0.24	✓	
KC370211	DBC - 50-64 WOOD VIEW	50-64 Wood View		Hemel Hempstead	HP1 3HR	E18ML195 01/01/2019 - 31/	941	£115.59	0.24	✓	
KC370199	DBC - 45 MERCURY WALK	45 Mercury Walk		Hemel Hempstead	HP2 5PJ	E19ML029 01/01/2019 - 31/	941	£104.04	0.24	✓	
KC370200	DBC - 45-67 ANCHOR LANE	45-67 Anchor Lane		Hemel Hempstead	HP1 1NX	E18ML174 01/01/2019 - 31/	933	£102.25	0.24	✓	
KC370521	DBC - 171-181 NORTHEM	171-181 Northend		Hemel Hempstead	HP3 8TA	E19ML080 01/01/2019 - 31/	932	£120.01	0.24	✓	
KC370412	DBC - 68-78 SPRING LANE	Landlord Supply	68-78 Spring Lane	Hemel Hempstead	HP1 3QH	E17ML038 01/01/2019 - 31/	931	£109.36	0.24	✓	
KC370215	DBC - 55 TOWNSEND	55 Townsend		Hemel Hempstead	HP2 5SP	Z01E0595 01/01/2019 - 31/	929	£105.79	0.24	✓	
KC370379	DBC - 2-12 WOOD LANE END	2-12 Wood Lane End		Hemel Hempstead	HP1 3HW	E18ML195 01/01/2019 - 31/	929	£103.66	0.24	✓	
KC370551	DBC - 26-36 FENNYCROFT ROAD	26-36 Fennycroft Road		Hemel Hempstead	HP1 3PE	E18ML197 01/01/2019 - 31/	929	£130.20	0.24	✓	
KC370505	DBC - 131-141 NORTHEM	131-141 Northend		Hemel Hempstead	HP3 8TW	E19ML078 01/01/2019 - 31/	926	£119.08	0.24	✓	
KC370210	DBC - 50-64 LOXLEY ROAD	50-64 Loxley Road		Berkhamsted	HP4 3PS	E19ML018 01/01/2019 - 31/	924	£105.39	0.24	✓	
KC370310	DBC - BLOCK 1	Block 1	Pheasant Close	Berkhamsted	HP4 2HQ	E19ML018 01/01/2019 - 31/	919	£100.21	0.23	✓	
KC370301	DBC - 21-30 KNIGHTSBRIDGE WAY	21-30 Knightsbridge Way		Hemel Hempstead	HP2 5ES	E18ML176 01/01/2019 - 31/	916	£90.91	0.23	✓	
KC370224	DBC - 64-82 FIGTREE HILL	64-82 Figtree Hill		Hemel Hempstead	HP2 5HG	Z07ER041 01/01/2019 - 31/	907	£118.80	0.23	✓	
KC370598	DBC - 83-93 NORTHEM	83-93 Northend		Hemel Hempstead	HP3 8TW	E19ML080 01/01/2019 - 31/	904	£116.24	0.23	✓	
KC370279	DBC - 229-239 LONGLANDS	229-239 Longlands		Hemel Hempstead	HP2 4EL	E18ML195 01/01/2019 - 31/	902	£94.44	0.23	✓	
KC370304	DBC - 191 GREAT ROAD	191 Great Road		Hemel Hempstead	HP2 5LD	E19ML024 01/01/2019 - 31/	891	£86.89	0.23	✓	
KC370542	DBC - 23 CROFT END CLOSE	23 Croft End Close	Chipperfield	Kings Langley	Hemel Hempstead	WD4 9PA	E19ML009 01/01/2019 - 31/	888	£113.15	0.23	✓
KC370161	DBC - 35-45 DELLCUT ROAD	35-45 Dellcut Road		Hemel Hempstead	HP2 5NG	E18ML158 01/01/2019 - 31/	887	£100.34	0.23	✓	
KC370464	DBC - 56-58 GEORGE STREET	56-58 George Street		Berkhamsted	HP4 2EQ	E19ML013 01/01/2019 - 31/	875	£104.70	0.22	✓	
KC370460	DBC - 45-49 PARKWOOD DRIVE	45-49 Parkwood Drive		Hemel Hempstead	HP1 2LD	E18ML155 01/01/2019 - 31/	873	£126.73	0.22	✓	
KC370400	DBC - 195-205 NORTHEM	195-205 Northend		Hemel Hempstead	HP3 8TA	E19ML078 01/01/2019 - 31/	870	£111.80	0.22	✓	
KC370461	DBC - 49-62 PHEASANT CLOSE	49-62 Pheasant Close		Berkhamsted	HP4 2HH	E19ML018 01/01/2019 - 31/	869	£109.30	0.22	✓	
KC370096	DBC - 17-27 SHEEPCOTE ROAD	17-27 Sheepcote Road		Hemel Hempstead	HP2 4BS	E18ML197 01/01/2019 - 31/	865	£97.39	0.22	✓	
KC370601	DBC - 9-12 SOUTHERNWOOD CLOSE	9-12 Southernwood Close		Hemel Hempstead	HP2 5JT	E19ML011 01/01/2019 - 31/	862	£120.76	0.22	✓	
KC370357	DBC - 220-224 GALLEY HILL	220-224 Galley Hill		Hemel Hempstead	HP1 3LR	E18ML195 01/01/2019 - 31/	859	£87.68	0.22	✓	
KC370193	DBC - 42-54 STONEYCROFT	42-54 Stoneycroft		Hemel Hempstead	HP1 2QE	E18ML175 01/01/2019 - 31/	855	£89.21	0.22	✓	
KC370236	DBC - 74-92 JUPITER DRIVE	74-92 Jupiter Drive		Hemel Hempstead	HP2 5NS	E19ML014 01/01/2019 - 31/	847	£92.11	0.22	✓	
KC370495	DBC - 119-129 NORTHEM	119-129 Northend		Hemel Hempstead	HP3 8TW	E19ML078 01/01/2019 - 31/	847	£108.77	0.22	✓	
KC370003	DBC - 1 EAST GREEN	1 East Green		Hemel Hempstead	HP3 8AB	E19ML015 01/01/2019 - 31/	846	£100.62	0.22	✓	
KC370156	DBC - 33-36 THE DRIFTWAY	33-36 The Driftway		Hemel Hempstead	HP2 4EA	E18ML196 01/01/2019 - 31/	834	£83.57	0.21	✓	
KC370371	DBC - 25-30 EASTWICK ROW	25-30 Eastwick Row		Hemel Hempstead	HP2 4JF	E19ML026 01/01/2019 - 31/	833	£90.88	0.21	✓	
KC370662	DBC - 74-80 TRING ROAD	74-80 Tring Road	Wilstone	Tring	HP23 4PD	E19ML019 01/01/2019 - 31/	832	£106.67	0.21	✓	
KC370338	DBC - 5-10 RYCFORT CLOSE	5-10 Ryrcfort Close		Hemel Hempstead	HP2 4PL	E19ML012 01/01/2019 - 31/	832	£78.90	0.21	✓	
KC370569	DBC - 34-48 FENNYCROFT	34-48 Fennycroft		Hemel Hempstead	HP1 3PE	E18ML193 01/01/2019 - 31/	830	£106.36	0.21	✓	
KC370602	DBC - 94-102 EIGHT ACRES	94-102 Eight Acres		Hemel Hempstead	HP23 5DH	E19ML015 01/01/2019 - 31/	828	£105.96	0.21	✓	
KC370294	DBC - 41-47 FIELD ROAD	41-47 Field Road		Hemel Hempstead	HP2 4RR	E19ML011 01/01/2019 - 31/	826	£94.61	0.21	✓	
KC370057	DBC - 121-130 ST ALBANS HILL	121-130 St Albans Hill		Hemel Hempstead	HP3 9NH	E19ML017 01/01/2019 - 31/	820	£78.50	0.21	✓	
KC370513	DBC - 100-110 BENNETTS END ROAD	100-110 Bennetts End Road		Hemel Hempstead	HP3 8DZ	E18ML173 01/01/2019 - 31/	820	£86.49	0.21	✓	
KC370070	DBC - 36-42 GEORGE STREET	36-42 George Street	Markyate	St Albans	Hemel Hempstead	AL3 8JX	E19ML017 01/01/2019 - 31/	819	£104.87	0.21	✓
KC370537	DBC - 219-225 WAVENEY	219-225 Waveney		Hemel Hempstead	HP2 6DH	E18ML196 01/01/2019 - 31/	805	£103.59	0.21	✓	
KC370264	DBC - 92-106 WESTFIELD ROAD	92-106 Westfield Road		Hemel Hempstead	HP4 3PW	E19ML022 01/01/2019 - 31/	803	£81.96	0.21	✓	
KC370074	DBC - 142-148 SATURN WAY	142-148 Saturn Way		Hemel Hempstead	HP2 5PE	E19ML012 01/01/2019 - 31/	803	£88.14	0.21	✓	
KC370099	DBC - 11-25 MARTIAN AVENUE	11-25 Martian Avenue		Hemel Hempstead	HP2 5PL	E19ML014 01/01/2019 - 31/	801	£82.67	0.20	✓	
KC370303	DBC - 21-24 SOUTHERN WOOD CLOSE	21-24 Southern Wood Close		Hemel Hempstead	HP2 5JT	E19ML011 01/01/2019 - 31/	799	£84.61	0.20	✓	
KC370397	DBC - 14-24 HILLARY ROAD	Landlords Supply	14-24 Hillary Road	Adeyfield	Hemel Her Hertfordsh	HP2 4HU	E19ML081 01/01/2019 - 31/	797	£90.89	0.20	✓
KC370145	DBC - 293-309 LONG CHAULDEN	293-309 Long Chaulden		Hemel Hempstead	HP1 2NX	E18ML175 01/01/2019 - 31/	796	£86.60	0.20	✓	
KC370097	DBC - 18-28 HILLTOP ROAD	18-28 Hilltop Road		Berkhamsted	HP4 2HN	Z06EN201 01/01/2019 - 31/	794	£81.66	0.20	✓	
KC370391	DBC - BLOCK A	Block A	St Agnells Court	Hemel Hempstead	HP2 7AT	E19ML022 01/01/2019 - 31/	793	£92.06	0.20	✓	
KC370111	DBC - 21-24 THE DRIFTWAY	21-24 The Driftway		Hemel Hempstead	HP2 4EA	E18ML155 01/01/2019 - 31/	793	£92.46	0.20	✓	
KC370655	DBC - CESS POOL	Cess Pool	Nash Mills Recre Red Lion I	Hemel Hempstead	HP3 9TE	L94E0044 01/01/2019 - 31/	787	£100.86	0.20	✓	
KC370525	DBC - 179-185 FLETCHER WAY	179-185 Fletcher Way		Hemel Hempstead	HP2 5SA	E19ML077 01/01/2019 - 31/	786	£101.49	0.20	✓	
KC370098	DBC - 1-9 LEGFIELD TERRACE	1-9 Legfield Terrace		Hemel Hempstead	HP1 2LL	E18ML161 01/01/2019 - 31/	785	£84.15	0.20	✓	
KC370205	DBC - 48-62 WESTFIELD ROAD	48-62 Westfield Road		Berkhamsted	HP4 3PW	E19ML018 01/01/2019 - 31/	784	£90.31	0.20	✓	
KC370016	DBC - 102-108 SATURN WAY	102-108 Saturn Way		Hemel Hempstead	HP2 5PE	E19ML024 01/01/2019 - 31/	782	£93.12	0.20	✓	
KC370207	DBC - 43-49 MAYFLOWER AVENUE	43-49 Mayflower Avenue		Hemel Hempstead	HP2 4AF	E18ML195 01/01/2019 - 31/	780	£80.00	0.20	✓	
KC370450	DBC - 19-22 OAK DRIVE	19-22 Oak Drive		Berkhamsted	HP4 2JP	E19ML018 01/01/2019 - 31/	778	£101.47	0.20	✓	
KC370227	DBC - 66-69 LIVINGSTONE WALK	66-69 Livingstone Walk		Hemel Hempstead	HP2 6AJ	E19ML075 01/01/2019 - 31/	776	£81.38	0.20	✓	
KC370362	DBC - 109-119 BRIEY WAY	109-119 Briey Way		Hemel Hempstead	HP2 7AN	E19ML080 01/01/2019 - 31/	773	£94.58	0.20	✓	
KC370299	DBC - 14-19 LITTLE ROAD	14-19 Little Road		Hemel Hempstead	HP2 5EN	E19ML024 01/01/2019 - 31/	773	£81.15	0.20	✓	
KC370163	DBC - 35-46 THE DENES	35-46 The Denes		Hemel Hempstead	HP3 8AP	E19ML015 01/01/2019 - 31/	772	£78.15	0.20	✓	
KC370250	DBC - 80-90 FENNYCROFT ROAD	80-90 Fennycroft Road		Hemel Hempstead	HP1 3PD	E18ML197 01/01/2019 - 31/	769	£95.90	0.20	✓	
KC370377	DBC - 2-6 APOLLO WAY	2-6 Apollo Way		Hemel Hempstead	HP2 5QG	E18ML195 01/01/2019 - 31/	768	£78.87	0.20	✓	
KC370440	DBC - 11-14 OAK DRIVE	11-14 Oak Drive		Berkhamsted	HP4 2JP	E19ML018 01/01/2019 - 31/	767	£97.15	0.20	✓	
KC370343	DBC - 8-9A SEABRIGHT ROAD	8-9a Seabright Road	Markyate	St Albans	Hemel Hempstead	AL3 8RT	E19ML015 01/01/2019 - 31/	759	£83.98	0.19	✓
KC370395	DBC - 123-133 BENNETTS END ROAD	123-133 Bennetts End Road		Hemel Hempstead	HP3 8DX	E19ML080 01/01/2019 - 31/	753	£80.38	0.19	✓	
KC370457	DBC - 44-49 KIMPTON CLOSE	44-49 Kimpton Close		Hemel Hempstead	HP2 7PW	E19ML075 01/01/2019 - 31/	751	£92.77	0.19	✓	
KC370006	DBC - 1 SALTERS CLOSE	1 Salters Close		Berkhamsted	HP4 3PT	E19ML018 01/01/2019 - 31/	750	£78.09	0.19	✓	
KC370038	DBC - 118-124 SATURN WAY	118-124 Saturn Way		Hemel Hempstead	HP2 5PE	E19ML024 01/01/2019 - 31/	748	£84.06	0.19	✓	
KC370079	DBC - 15-18 RUNCORN CRESCENT	15-18 Runcorn Crescent		Hemel Hempstead	HP2 6DG	E19ML076 01/01/2019 - 31/	746	£84.74	0.19	✓	
KC370514	DBC - 155-161 FLETCHER WAY	155-161 Fletcher Way		Hemel Hempstead	HP2 5RZ	E19ML077 01/01/2019 - 31/	743	£95.73	0.19	✓	
KC370119	DBC - 23-33 DELLCUT ROAD	23-33 Dellcut Road		Hemel Hempstead	HP2 5NG	E18ML160 01/01/2019 - 31/					

KC370238	DBC - 74-80 LIME WALK	74-80 Lime Walk		Hemel Hempstead	HP3 9LQ	E19ML017 01/01/2019 - 31/	716	£82.43	0.18	✓	
KC370033	DBC - 1-12 THE ROWANS	1-12 The Rowans		Hemel Hempstead	HP1 1RX	E18ML173 01/01/2019 - 31/	712	£88.53	0.18	✓	
KC370064	DBC - 13-23 HIGHLAND DRIVE	13-23 Highland Drive		Hemel Hempstead	HP3 8PT	E18ML173 01/01/2019 - 31/	711	£79.19	0.18	✓	
KC370090	DBC - 17-20 THE DRIFTWAY	17-20 The Driftway		Hemel Hempstead	HP2 4EA	E19ML011 01/01/2019 - 31/	710	£73.56	0.18	✓	
KC370002	DBC - 1-11 BRIEY WAY	1-11 Briey Way		Hemel Hempstead	HP2 7AP	E19ML086 01/01/2019 - 31/	706	£77.73	0.18	✓	
KC370507	DBC - 13-16 THE ROWANS	13-16 The Rowans		Hemel Hempstead	HP1 1RX	E18ML173 01/01/2019 - 31/	704	£90.06	0.18	✓	
KC370386	DBC - 67 LONDON ROAD	67 London Road		Hemel Hempstead	HP3 9SP	E19ML028 01/01/2019 - 31/	703	£71.98	0.18	✓	
KC370509	DBC - 1-12 THE ROWANS	1-12 The Rowans		Hemel Hempstead	HP1 1RX	E18ML174 01/01/2019 - 31/	699	£89.32	0.18	✓	
KC370177	DBC - 3-9 FEACY DOWN	3-9 Feacy Down		Hemel Hempstead	HP1 3ES	E19ML012 01/01/2019 - 31/	698	£64.38	0.18	✓	
KC370546	DBC - 2-5 HOMEFIELD	2-5 Homefield	Potten End	Berkhams	Hemel Hempstead	HP4 2QX	E19ML013 01/01/2019 - 31/	697	£89.58	0.18	✓
KC370577	DBC - 5 STRATFORD WAY - M1	5 Stratford Way		Hemel Hempstead	HP3 9BA	E19ML078 01/01/2019 - 31/	696	£89.91	0.18	✓	
KC370168	DBC - 37-40 DRIFTWAY	37-40 Driftway		Hemel Hempstead	HP2 4EA	E18ML166 01/01/2019 - 31/	696	£75.62	0.18	✓	
KC370130	DBC - 25-35 HIGHLAND DRIVE	25-35 Highland Drive		Hemel Hempstead	HP3 8PT	E18ML173 01/01/2019 - 31/	696	£75.67	0.18	✓	
KC370229	DBC - 68-74 GREAT STURGESS	68-74 Great Sturgess		Hemel Hempstead	HP1 2LJ	E18ML156 01/01/2019 - 31/	695	£81.11	0.18	✓	
KC370430	DBC - LANDLORD SUPPLY	Landlord Supply	Mercury Walk		Hemel Hempstead	HP2 5NW	E19ML015 01/01/2019 - 31/	693	£71.61	0.18	✓
KC370482	DBC - 6-9 SILK MILL WAY	6-9 Silk Mill Way	Tring		Hemel Hempstead	HP23 5EP	E19ML019 01/01/2019 - 31/	690	£86.65	0.18	✓
KC370527	DBC - 187-193 FLETCHER WAY	187-193 Fletcher Way		Hemel Hempstead	HP2 5SA	E19ML077 01/01/2019 - 31/	688	£88.55	0.18	✓	
KC370076	DBC - 15-25 CLEVES ROAD	15-25 Cleves Road		Hemel Hempstead	HP2 7LQ	E19ML023 01/01/2019 - 31/	688	£75.48	0.18	✓	
KC370284	DBC - 13-23 EVEREST WAY	13-23 Everest Way		Hemel Hempstead	HP2 4HZ	E19ML074 01/01/2019 - 31/	688	£73.47	0.18	✓	
KC370113	DBC - 2-16 HILLTOP ROAD	2-16 Hilltop Road		Berkhamsted	HP4 2HN	E19ML013 01/01/2019 - 31/	687	£88.25	0.18	✓	
KC370209	DBC - 5-10 HAMMER LANE	5-10 Hammer Lane		Hemel Hempstead	HP2 4EU	E19ML074 01/01/2019 - 31/	686	£75.07	0.18	✓	
KC370067	DBC - 134-140 SATURN WAY	134-140 Saturn Way		Hemel Hempstead	HP2 5PE	E18ML173 01/01/2019 - 31/	684	£77.71	0.17	✓	
KC370029	DBC - 1-11 LONGLANDS	1-11 Longlands		Hemel Hempstead	HP2 4DG	E18ML196 01/01/2019 - 31/	684	£81.39	0.17	✓	
KC370039	DBC - 119-125 SATURN WAY	119-125 Saturn Way		Hemel Hempstead	HP2 5PE	E18ML173 01/01/2019 - 31/	683	£78.82	0.17	✓	
KC370372	DBC - BLOCK B	Block B	St Agnells Court		Hemel Hempstead	HP2 7AT	E19ML022 01/01/2019 - 31/	679	£80.03	0.17	✓
KC370323	DBC - 30A-32D PARSONS CLOSE	30a-32d Parsons Close	Flamstead	St Albans	Hemel Hempstead	AL3 8ED	E19ML017 01/01/2019 - 31/	678	£77.49	0.17	✓
KC370153	DBC - 32-38 GREAT STURGESS	32-38 Great Sturgess		Hemel Hempstead	HP1 2LQ	E18ML173 01/01/2019 - 31/	675	£80.87	0.17	✓	
KC370534	DBC - 21-26 & 25-27 BATHURST ROAD	21-26 & 25-27 Bathurst	21-26 & 25-27 Bathurst	Roa	Hemel Hempstead	HP2 5RT	E19ML077 01/01/2019 - 31/	675	£87.20	0.17	✓
KC370522	DBC - 17-20 SOUTHERNWOOD CLOSE	17-20 Southernwood Close		Hemel Hempstead	HP2 5JT	E19ML011 01/01/2019 - 31/	674	£94.52	0.17	✓	
KC370306	DBC - 25-32 STONEYCROFT	25-32 Stoneycroft	Aldbury	Tring	Hemel Hempstead	HP23 5RP	E19ML023 01/01/2019 - 31/	671	£80.41	0.17	✓
KC370123	DBC - 243-253 BENNETTS END ROAD	243-253 Bennetts End Road		Hemel Hempstead	HP3 8DZ	E18ML173 01/01/2019 - 31/	670	£72.96	0.17	✓	
KC370312	DBC - BLOCK 1-14 PHEASANT CLOSE - M	Block 1-14 Pheasant Close		Berkhamsted	HP4 2HQ	E19ML018 01/01/2019 - 31/	669	£69.15	0.17	✓	
KC370642	DBC - 22-27 OLIVE TAYLOR COURT	22-27 Olive Taylor Court		Hemel Hempstead	HP2 6BP	E19ML013 01/01/2019 - 31/	669	£86.05	0.17	✓	
KC370056	DBC - 127-137 CLEVES ROAD	127-137 Cleves Road		Hemel Hempstead	HP2 7PL	E19ML024 01/01/2019 - 31/	667	£79.39	0.17	✓	
KC370417	DBC - 142-146 WINDMILL ROAD	142-146 Windmill Road		Hemel Hempstead	HP2 4BP	E18ML197 01/01/2019 - 31/	667	£78.86	0.17	✓	
KC370107	DBC - 20-23 LIVINGSTONE WALK	20-23 Livingstone Walk		Hemel Hempstead	HP2 6AH	E19ML075 01/01/2019 - 31/	664	£68.77	0.17	✓	
KC370452	DBC - 30-38 ESSEX MEAD	30-38 Essex Mead		Hemel Hempstead	HP2 6LF	E19ML022 01/01/2019 - 31/	662	£85.48	0.17	✓	
KC370273	DBC - 14-24 LONGLANDS	14-24 Longlands		Hemel Hempstead	HP2 4DG	E19ML078 01/01/2019 - 31/	660	£71.70	0.17	✓	
KC370272	DBC - 2-12 LONGLANDS	2-12 Longlands		Hemel Hempstead	HP2 4DG	E19ML078 01/01/2019 - 31/	659	£68.71	0.17	✓	
KC370114	DBC - 219-229 BENNETTS END ROAD	219-229 Bennetts End Road		Hemel Hempstead	HP3 8DZ	E18ML173 01/01/2019 - 31/	656	£71.39	0.17	✓	
KC370671	DBC - 13-23 LONGLANDS	13-23 Longlands		Hemel Hempstead	HP2 4DG	E18ML196 01/01/2019 - 31/	655	£68.55	0.17	✓	
KC370204	DBC - 485-495 LONG CHAULDEN	485-495 Long Chaulden		Hemel Hempstead	HP1 2NP	E18ML176 01/01/2019 - 31/	654	£76.63	0.17	✓	
KC370298	DBC - 11-13 LITTLE ROAD	11-13 Little Road		Hemel Hempstead	HP2 5EN	E19ML014 01/01/2019 - 31/	654	£69.56	0.17	✓	
KC370409	DBC - 45-48 THE DRIFTWAY	45-48 The Driftway		Hemel Hempstead	HP2 4EA	E19ML024 01/01/2019 - 31/	654	£72.49	0.17	✓	
KC370063	DBC - 13-23 CHAULDEN HOUSE GARDEN	13-23 Chaulden House Gardens		Hemel Hempstead	HP1 2BP	E18ML173 01/01/2019 - 31/	653	£72.59	0.17	✓	
KC370031	DBC - 111-121 BENNETTS END ROAD	111-121 Bennetts End Road		Hemel Hempstead	HP3 8DX	E19ML079 01/01/2019 - 31/	651	£77.99	0.17	✓	
KC370547	DBC - 25-28 SOUTHERNWOOD CLOSE	25-28 Southernwood Close		Hemel Hempstead	HP2 5JT	E19ML011 01/01/2019 - 31/	650	£91.20	0.17	✓	
KC370088	DBC - 169-179 CLEVES ROAD	169-179 Cleves Road		Hemel Hempstead	HP2 7PL	E19ML024 01/01/2019 - 31/	648	£75.33	0.17	✓	
KC370398	DBC - 14-19 CLARENDON CLOSE	14-19 Clarendon Close		Hemel Hempstead	HP2 5UZ	E19ML018 01/01/2019 - 31/	647	£76.34	0.17	✓	
KC370144	DBC - 29-32 THE DRIFTWAY	29-32 The Driftway		Hemel Hempstead	HP2 4EA	E18ML156 01/01/2019 - 31/	647	£67.65	0.17	✓	
KC370212	DBC - 509-519 LONG CHAULDEN	509-519 Long Chaulden		Hemel Hempstead	HP1 2NP	E18ML174 01/01/2019 - 31/	645	£64.16	0.16	✓	
KC370009	DBC - 10-19 ARAGON CLOSE	10-19 Aragon Close		Hemel Hempstead	HP2 7LG	E19ML075 01/01/2019 - 31/	645	£75.24	0.16	✓	
KC370137	DBC - 27-41 NORTH END FARM	27-41 North End Farm		Hemel Hempstead	HP3 8TL	E19ML028 01/01/2019 - 31/	645	£70.16	0.16	✓	
KC370106	DBC - 20-28 ARAGON CLOSE	20-28 Aragon Close		Hemel Hempstead	HP2 7LG	E18ML166 01/01/2019 - 31/	643	£74.62	0.16	✓	
KC370592	DBC - 74-78 FENNYCROFT ROAD	74-78 Fennycroft Road		Hemel Hempstead	HP1 3PE	E18ML193 01/01/2019 - 31/	643	£82.37	0.16	✓	
KC370356	DBC - 303 GALLEY HILL	303 Galley Hill		Hemel Hempstead	HP1 3LE	E19ML022 01/01/2019 - 31/	640	£63.98	0.16	✓	
KC370399	DBC - 1-6 CLARENDON CLOSE	1-6 Clarendon Close		Hemel Hempstead	HP2 5UZ	E19ML018 01/01/2019 - 31/	639	£75.70	0.16	✓	
KC370562	DBC - 311-317 GALLEYHILL	311-317 Galleyhill		Hemel Hempstead	HP1 3JZ	E18ML197 01/01/2019 - 31/	639	£81.35	0.16	✓	
KC370120	DBC - 231-241 BENNETTS END ROAD	231-241 Bennetts End Road		Hemel Hempstead	HP3 8DZ	E18ML173 01/01/2019 - 31/	638	£79.90	0.16	✓	
KC370316	DBC - 58-88 HEATHER WAY	58-88 Heather Way		Hemel Hempstead	HP2 5HF	E18ML175 01/01/2019 - 31/	635	£71.68	0.16	✓	
KC370599	DBC - 85-93 EIGHT ACRES	85-93 Eight Acres	Tring		Hemel Hempstead	HP23 5DH	E19ML019 01/01/2019 - 31/	633	£81.05	0.16	✓
KC370672	DBC - 33 WEST DENE	33 West Dene		Hemel Hempstead	HP2 6HU	E19ML015 01/01/2019 - 31/	633	£79.46	0.16	✓	
KC370529	DBC - 195-201 FLETCHER WAY	195-201 Fletcher Way		Hemel Hempstead	HP2 5SA	E19ML077 01/01/2019 - 31/	633	£81.73	0.16	✓	
KC370230	DBC - 7-12 UNDERACRES CLOSE	7-12 Underacres Close		Hemel Hempstead	HP2 7AL	E19ML079 01/01/2019 - 31/	632	£69.82	0.16	✓	
KC370170	DBC - 37-43 CRESENT ROAD	37-43 Crescent Road		Hemel Hempstead	HP2 4AH	E19ML023 01/01/2019 - 31/	632	£61.99	0.16	✓	
KC370328	DBC - 110-113 LIVINGSTONE WALK	110-113 Livingstone Walk		Hemel Hempstead	HP2 6AL	E19ML075 01/01/2019 - 31/	631	£68.75	0.16	✓	
KC370618	DBC - BOWMANS COURT	Bowmans Court	Fletcher Way		Hemel Hempstead	HP2 5SD	K97E0864 01/01/2019 - 31/	625	£80.61	0.16	✓
KC370687	DBC - 7-12 CLARENDON CLOSE	7-12 Clarendon Close		Hemel Hempstead	HP2 5UZ	E19ML018 01/01/2019 - 31/	625	£71.43	0.16	✓	
KC370133	DBC - 26-36 CHAULDEN HOUSE GARDEN	26-36 Chaulden House Gardens		Hemel Hempstead	HP1 2BW	E18ML173 01/01/2019 - 31/	624	£65.59	0.16	✓	
KC370550	DBC - 259-267 WAVENEY	259-267 Waveney		Hemel Hempstead	HP2 6DQ	E19ML013 01/01/2019 - 31/	624	£80.22	0.16	✓	
KC370258	DBC - 9-11 SLEDDALE	9-11 Sleddale		Hemel Hempstead	HP2 5TN	E19ML015 01/01/2019 - 31/	623	£80.32	0.16	✓	
KC370049	DBC - 12-16 BARRA CLOSE	12-16 Barra Close		Hemel Hempstead	HP3 8TN	E19ML019 01/01/2019 - 31/	623	£73.07	0.16	✓	
KC370345	DBC - 1-7 MEDWAY ROAD - M2	1-7 Medway Road		Hemel Hempstead	HP2 6ED	E19ML015 01/01/2019 - 31/	622	£66.61	0.16	✓	
KC370233	DBC - 70-73 LIVINGSTONE WALK	70-73 Livingstone Walk		Hemel Hempstead	HP2 6AL	E19ML075 01/01/2019 - 31/	620	£67.55	0.16	✓	
KC370007	DBC - 1 STONEYCROFT	1 Stoneycroft		Hemel Hempstead	HP1 2QE	S90E0164 01/01/2019 - 31/	618	£69.88	0.16	✓	
KC370633	DBC - FLAT 35	Flat 35	1 Church Street		Hemel Hempstead	HP2 5AS	E18ML174 01/01/2019 - 31/	613	£78.09	0.16	✓
KC370578	DBC - 5 STRATFORD WAY - M2	5 Stratford Way		Hemel Hempstead	HP3 9BA	E19ML078 01/01/2019 - 31/	611	£78.26	0.16	✓	
KC370188	DBC - 40-50 BENNETTS END ROAD	40-50 Bennetts End Road		Hemel Hempstead	HP3 8DS	E19ML079 01/01/2019 - 31/	610	£65.11	0.16	✓	
KC370249	DBC - 82-92 LIME WALK	82-92 Lime Walk		Hemel Hempstead	HP3 9LQ	E19ML017 01/01/2019 - 31/	609	£63.74	0.16	✓	
KC370490	DBC - 111-117 FLETCHER WAY	111-117 Fletcher Way		Hemel Hempstead	HP2 5RR	E19ML077 01/01/2019 - 31/	604	£77.99	0.15	✓	
KC370573	DBC - 43-49 BATHURST ROAD	43-49 Bathurst Road		Hemel Hempstead	HP2 5RT	E19ML077 01/01/2019 - 31/	604	£77.87	0.15	✓	
KC370565	DBC - 327-333 GALLEYHILL	327-333 Galleyhill		Hemel Hempstead	HP1 3JZ	E19ML022 01/01/2019 - 31/	604	£77.36	0.15	✓	
KC370560	DBC - 303-309 GALLEYHILL	303-309 Galleyhill		Hemel Hempstead	HP1 3JZ	E18ML197 01/01/2019 - 31/	603	£76.87	0.15	✓	
KC370027	DBC - 1-11 CHAULDEN HOUSE GARDENS	1-11 Chaulden House Gardens		Hemel Hempstead	HP1 2BP	E18ML175 01/01/2019 - 31/	598	£61.58	0.15	✓	
KC370149	DBC - 31-45 PARKWOOD DRIVE	31-45 Parkwood Drive		Hemel Hempstead	HP1 2LD	E19ML108 01/01/2019 - 31/	596	£65.38	0.15	✓	
KC370051	DBC - 122-125 LIVINGSTONE WALK	122-125 Livingstone Walk		Hemel Hempstead	HP2 6AN	E19ML076 01/01/2019 - 31/	596	£63.76	0.15	✓	
KC370085	DBC - 1-6 TEDDER ROAD	1-6 Tedder Road		Hemel Hempstead	HP2 4HA	E19ML074 01/01/2019 - 31/	595	£60.97	0.15	✓	
KC370202	DBC - 46-52 AYCLIFFE DRIVE	46-52 Aycliffe Drive		Hemel Hempstead	HP2 6DF	E19ML076 01/01/2019 - 31/	593	£61.54	0.15	✓	
KC370043	DBC - 12-15 LIVINGSTONE WALK	12-15 Livingstone Walk		Hemel Hempstead	HP2 6AH	E19ML075 01/01/2019 - 31/	591	£61.66	0.15	✓	
KC370492	DBC - 11-23 KENTS ROAD	11-23 Kents Road		Hemel Hempstead	HP3 9SW	E19ML025 01/01/2019 - 31/	591	£76.08	0.15	✓	
KC370404	DBC - 35-41 MAYFLOWER AVENUE	35-41 Mayflower Avenue		Hemel Hempstead	HP2 4AF	E18ML195 01/01/2019 - 31/	589	£70.39	0.15	✓	
KC370267	DBC - 94 LIVINGSTONE WALK	94 Livingstone Walk		Hemel Hempstead	HP2 6AL	E19ML075 01/01/2019 - 31/	588	£67.07	0.15	✓	
KC370290	DBC - 13-18 MADDOX ROAD	13-18 Maddox Road		Hemel Hempstead	HP2 4QF	Z01E0256 01/01/2019 - 31/	587	£61.94	0.15	✓	
KC370558	DBC - 30-36 BATHURST ROAD	30-36 Bathurst Road		Hemel Hempstead	HP2 5RU	E19ML077 01/01/2019 - 31/	586	£75.50	0.15</		

KC370532	DBC - 203-209 FLETCHER WAY	203-209 Fletcher Way		Hemel Hempstead	HP2 5SA	E19ML077 01/01/2019 - 31/	579	£74.74	0.15	✓	
KC370373	DBC - 6-16 HAVERSFIELD	6-16 Havensfield	Chipperfield	Kings Lan	Hemel Hempstead	WD4 9EW	E19ML005 01/01/2019 - 31/	578	£65.95	0.15	✓
KC370374	DBC - 23 WEST DENE	23 West Dene	Gaddesden Row		Hemel Hempstead	HP2 6HU	E19ML015 01/01/2019 - 31/	578	£71.89	0.15	✓
KC370054	DBC - 126-129 LIVINGSTONE WALK	126-129 Livingstone Walk			Hemel Hempstead	HP2 6AN	E19ML076 01/01/2019 - 31/	576	£63.11	0.15	✓
KC370075	DBC - 147-1457 BENNETTS END ROAD	147-457 Bennetts End Road			Hemel Hempstead	HP3 8DX	E18ML195 01/01/2019 - 31/	575	£62.36	0.15	✓
KC370243	DBC - 78-88 CHURCH STREET	78-88 Church Street			Hemel Hempstead	HP2 5SY	E19ML077 01/01/2019 - 31/	572	£56.80	0.15	✓
KC370350	DBC - 24-27 LIVINGSTONE WALK	24-27 Livingstone Walk			Hemel Hempstead	HP2 6AH	E19ML075 01/01/2019 - 31/	571	£60.61	0.15	✓
KC370109	DBC - 208-228 ST ALBANS HILL	208-228 St Albans Hill			Hemel Hempstead	HP3 9JW	E19ML014 01/01/2019 - 31/	570	£62.59	0.15	✓
KC370082	DBC - 16-21 CLOVER WAY	16-21 Clover Way			Hemel Hempstead	HP1 3EA	E19ML011 01/01/2019 - 31/	569	£60.30	0.15	✓
KC370268	DBC - 97-107 BRIEY WAY	97-107 Briey Way			Hemel Hempstead	HP2 7AW	E19ML075 01/01/2019 - 31/	569	£65.97	0.15	✓
KC370151	DBC - 32-35 LIVINGSTONE WALK	32-35 Livingstone Walk			Hemel Hempstead	HP2 6AJ	E19ML075 01/01/2019 - 31/	568	£59.37	0.15	✓
KC370624	DBC - LANDLORD SUPPLY	Landlord Supply	75-81 Downside		Hemel Hempstead	HP2 5PU	E18ML193 01/01/2019 - 31/	568	£72.87	0.15	✓
KC370530	DBC - 2-12 YEOMANS RIDE	STAIRCASE LIGHTINC	2-12 SQUIRES RIDE		Hemel Her	HERTFOR HP2 6LE	E19ML019 01/01/2019 - 31/	565	£72.80	0.14	✓
KC370414	DBC - 7-12 TEDDER ROAD	7-12 Tedder Road			Hemel Hempstead	HP2 4HA	E18ML176 01/01/2019 - 31/	565	£70.60	0.14	✓
KC370510	DBC - 14-17 HOMEFIELD	14-17 Homefield	Potten End	Potten En	Berkhamsted	HP4 2QX	S07EH796 01/01/2019 - 31/	564	£71.74	0.14	✓
KC370293	DBC - 25-31 FIELD ROAD	25-31 Field Road			Hemel Hempstead	HP2 4RR	E19ML011 01/01/2019 - 31/	563	£58.73	0.14	✓
KC370068	DBC - 139-149 CLEVES ROAD	139-149 Cleves Road			Hemel Hempstead	HP2 7PL	E19ML024 01/01/2019 - 31/	560	£58.77	0.14	✓
KC370277	DBC - 14-24 BROADFIELD - M2	14-24 Broadfield			Hemel Hempstead	HP2 4EE	E18ML176 01/01/2019 - 31/	560	£64.01	0.14	✓
KC370485	DBC - 1-6 SUMMER COURT	1-6 Summer Court			Hemel Hempstead	HP2 5SX	E19ML080 01/01/2019 - 31/	559	£72.44	0.14	✓
KC370382	DBC - 38-43 KIMPTON CLOSE	38-43 Kimpton Close			Hemel Hempstead	HP2 7PW	E19ML075 01/01/2019 - 31/	559	£60.96	0.14	✓
KC370048	DBC - 121-131 RANTS MEADOW	121-131 Rants Meadow			Hemel Hempstead	HP3 8PQ	E18ML166 01/01/2019 - 31/	558	£60.31	0.14	✓
KC370037	DBC - 118-121 LIVINGSTONE WALK	118-121 Livingstone Walk			Hemel Hempstead	HP2 6AN	E19ML076 01/01/2019 - 31/	557	£58.00	0.14	✓
KC370584	DBC - 5-8 SOUTHERNWOOD CLOSE	5-8 Southernwood Close			Hemel Hempstead	HP2 5JT	E19ML011 01/01/2019 - 31/	557	£78.12	0.14	✓
KC370191	DBC - 42-48 JUPITER DRIVE	42-48 Jupiter Drive			Hemel Hempstead	HP2 5QL	E19ML075 01/01/2019 - 31/	555	£69.85	0.14	✓
KC370050	DBC - 12-18 ARRAN CLOSE	12-18 Arran Close			Hemel Hempstead	HP3 8TQ	E19ML028 01/01/2019 - 31/	553	£55.71	0.14	✓
KC370237	DBC - 74-77 LIVINGSTONE WALK	74-77 Livingstone Walk			Hemel Hempstead	HP2 6AL	E19ML075 01/01/2019 - 31/	552	£61.63	0.14	✓
KC370366	DBC - 168-174 CRAWLEY DRIVE	168-174 Crawley Drive			Hemel Hempstead	HP2 6DB	E19ML024 01/01/2019 - 31/	552	£66.33	0.14	✓
KC370384	DBC - 48-54 GREAT STURGESS	48-54 Great Sturgess			Hemel Hempstead	HP1 2LQ	E18ML173 01/01/2019 - 31/	551	£60.71	0.14	✓
KC370292	DBC - 2-12 FIELD ROAD	2-12 Field Road			Hemel Hempstead	HP2 4RR	E19ML012 01/01/2019 - 31/	546	£61.16	0.14	✓
KC370084	DBC - 16-19 LIVINGSTONE WALK	16-19 Livingstone Walk			Hemel Hempstead	HP2 6AH	E19ML075 01/01/2019 - 31/	545	£58.41	0.14	✓
KC370139	DBC - 28-31 LIVINGSTONE WALK	28-31 Livingstone Walk			Hemel Hempstead	HP2 6AH	E19ML075 01/01/2019 - 31/	544	£57.42	0.14	✓
KC370214	DBC - 54-64 CHURCH STREET	54-64 Church Street			Hemel Hempstead	HP2 5SY	E19ML077 01/01/2019 - 31/	543	£53.83	0.14	✓
KC370296	DBC - 27-37 SPRINGFIELD ROAD	27-37 Springfield Road			Hemel Hempstead	HP2 5EJ	E19ML024 01/01/2019 - 31/	540	£58.14	0.14	✓
KC370157	DBC - 33-36 HATFIELD CRESCENT	33-36 Hatfield Crescent			Hemel Hempstead	HP2 6BZ	E19ML014 01/01/2019 - 31/	539	£53.98	0.14	✓
KC370052	DBC - 123 WASHINGTON AVENUE	123 Washington Avenue			Hemel Hempstead	HP2 6AT	E19ML076 01/01/2019 - 31/	537	£64.86	0.14	✓
KC370089	DBC - 17-23 RIBBLESDALE	17-23 Ribblesdale			Hemel Hempstead	HP2 5TS	E19ML028 01/01/2019 - 31/	536	£53.78	0.14	✓
KC370422	DBC - 85-95 TURNERS HILL	85-95 Turners Hill			Hemel Hempstead	HP2 4LH	E19ML012 01/01/2019 - 31/	535	£61.18	0.14	✓
KC370164	DBC - 36-39 LIVINGSTONE WALK	36-39 Livingstone Walk			Hemel Hempstead	HP2 6AJ	E19ML075 01/01/2019 - 31/	534	£61.14	0.14	✓
KC370370	DBC - 7-12 CRABTREE LANE	7-12 Crabtree Lane			Hemel Hempstead	HP3 9JH	E19ML029 01/01/2019 - 31/	534	£63.58	0.14	✓
KC370047	DBC - 121-131 BRIEY WAY	121-131 Briey Way			Hemel Hempstead	HP2 7AN	E19ML080 01/01/2019 - 31/	531	£56.73	0.14	✓
KC370454	DBC - 26-31 & 32-37 KIMPTON CLOSE	26-31 & 32-37 Kimpton Close			Hemel Hempstead	HP2 7PW	E19ML075 01/01/2019 - 31/	530	£61.59	0.14	✓
KC370005	DBC - 1-6 MADDOX ROAD	1-6 Maddox Road			Hemel Hempstead	HP2 4QF	E19ML021 01/01/2019 - 31/	530	£55.72	0.14	✓
KC370094	DBC - 17-23 CRAWLEY DRIVE	17-23 Crawley Drive			Hemel Hempstead	HP2 6BX	Z01E0522 01/01/2019 - 31/	527	£53.81	0.13	✓
KC370070	DBC - 1-4 HATFIELD CRESCENT	1-4 Hatfield Crescent			Hemel Hempstead	HP2 6BY	E19ML019 01/01/2019 - 31/	527	£60.73	0.13	✓
KC370222	DBC - 6-19 ST EDMUNDS	6-19 St Edmunds			Berkhamsted	HP4 2HS	E19ML014 01/01/2019 - 31/	526	£58.68	0.13	✓
KC370228	DBC - 67-77 TOWNSEND	67-77 Townsend			Hemel Hempstead	HP2 5SU	E19ML019 01/01/2019 - 31/	524	£47.80	0.13	✓
KC370180	DBC - 4 - 9 ARAGON CLOSE	4 - 9 Aragon Close			Hemel Hempstead	HP2 7LG	E19ML075 01/01/2019 - 31/	524	£61.19	0.13	✓
KC370640	DBC - 16-17 OLIVE TAYLOR COURT	16-17 Olive Taylor Court			Hemel Hempstead	HP2 6BP	E19ML013 01/01/2019 - 31/	523	£67.06	0.13	✓
KC370112	DBC - 2-12 MANLEY ROAD	2-12 Manley Road			Hemel Hempstead	HP2 5EX	E19ML078 01/01/2019 - 31/	522	£55.84	0.13	✓
KC370055	DBC - 126-132 SATURN WAY	126-132 Saturn Way			Hemel Hempstead	HP2 5PE	E18ML174 01/01/2019 - 31/	519	£56.15	0.13	✓
KC370231	DBC - 7 SAINFOIN END	7 Sainfoin End			Hemel Hempstead	HP2 5NE	E18ML157 01/01/2019 - 31/	517	£53.66	0.13	✓
KC370259	DBC - 90-100 CHURCH STREET	90-100 Church Street			Hemel Hempstead	HP2 5SY	E19ML077 01/01/2019 - 31/	516	£50.61	0.13	✓
KC370260	DBC - 90 LIVINGSTONE WALK	90 Livingstone Walk			Hemel Hempstead	HP2 6AL	E19ML076 01/01/2019 - 31/	516	£56.43	0.13	✓
KC370219	DBC - 5-8 HATFIELD CRESCENT	5-8 Hatfield Crescent			Hemel Hempstead	HP2 6BY	E19ML014 01/01/2019 - 31/	516	£63.39	0.13	✓
KC370226	DBC - 66-76 CHURCH STREET	66-76 Church Street			Hemel Hempstead	HP2 5SY	E19ML077 01/01/2019 - 31/	513	£55.57	0.13	✓
KC370586	DBC - 61-67 BATHURST ROAD	61-67 Bathurst Road			Hemel Hempstead	HP2 5RU	E19ML077 01/01/2019 - 31/	513	£66.23	0.13	✓
KC370332	DBC - 2-6 PLUTO RISE	2-6 Pluto Rise			Hemel Hempstead	HP2 5QB	E19ML014 01/01/2019 - 31/	512	£52.62	0.13	✓
KC370154	DBC - 32-38 WESTFIELD ROAD	32-38 Westfield Road			Berkhamsted	HP4 3PN	E19ML018 01/01/2019 - 31/	511	£50.64	0.13	✓
KC370034	DBC - 11-27 HASDINES ROAD	11-27 Hasdines Road			Hemel Hempstead	HP1 3RA	E19ML021 01/01/2019 - 31/	510	£53.86	0.13	✓
KC370257	DBC - 9-15 FIELD ROAD	9-15 Field Road			Hemel Hempstead	HP2 4RR	E19ML011 01/01/2019 - 31/	510	£49.18	0.13	✓
KC370600	DBC - 9-15 STORNOWAY	9-15 Stornoway			Hemel Hempstead	HP3 8TB	E19ML022 01/01/2019 - 31/	510	£65.39	0.13	✓
KC370186	DBC - 40-46 GREAT STURGESS	40-46 Great Sturgess			Hemel Hempstead	HP1 2LQ	E18ML175 01/01/2019 - 31/	509	£53.25	0.13	✓
KC370225	DBC - 65-69 JUPITER DRIVE	65-69 Jupiter Drive			Hemel Hempstead	HP2 5QL	E19ML075 01/01/2019 - 31/	509	£55.22	0.13	✓
KC370021	DBC - 108-114 CRAWLEY DRIVE	108-114 Crawley Drive			Hemel Hempstead	HP2 6BU	E18ML195 01/01/2019 - 31/	509	£61.25	0.13	✓
KC370674	DBC - 33-44 YEOMANS RIDE	33-44 Yeomans Ride			Hemel Hempstead	HP2 6LG	E19ML019 01/01/2019 - 31/	508	£59.73	0.13	✓
KC37222R	DBC - THE CORN EXCHANGE	The Corn Exchange	High Street		Hemel Her Hertfordsh	HP1 3AF	Z03E0233 01/01/2019 - 31/	507	£64.50	0.13	✓
KC370015	DBC - 102-105 LIVINGSTONE WALK	102-105 Livingstone Walk			Hemel Hempstead	HP2 6AL	E19ML075 01/01/2019 - 31/	507	£52.51	0.13	✓
KC370691	DBC - THE FARM HOUSE	The Farm House	9-12 Farmhouse Lane		Hemel Hempstead	HP2 7AR	E19ML022 01/01/2019 - 31/	506	£59.24	0.13	✓
KC370302	DBC - 191-201 ADEYFIELD ROAD	191-201 Adeyfield Road			Hemel Hempstead	HP2 5JP	E19ML011 01/01/2019 - 31/	504	£53.36	0.13	✓
KC370497	DBC - 12 WAVENEY - M1	12 Waveney			Hemel Hempstead	HP2 6DH	E18ML196 01/01/2019 - 31/	503	£64.77	0.13	✓
KC370062	DBC - 13-16 DRIFTWAY	13-16 Driftway			Hemel Hempstead	HP2 4EA	E18ML156 01/01/2019 - 31/	503	£58.05	0.13	✓
KC370595	DBC - 76-86 CRABTREE LANE	76-86 Crabtree Lane			Hemel Hempstead	HP3 9EJ	E19ML081 01/01/2019 - 31/	502	£64.52	0.13	✓
KC370352	DBC - 183-185 GADEBRIDGE ROAD	183-185 Gadebridge R	Warners End		Hemel Hempstead	HP1 3JX	E18ML195 01/01/2019 - 31/	501	£52.46	0.13	✓
KC370171	DBC - 37-47 BRIEY WAY	37-47 Briey Way			Hemel Hempstead	HP2 7AP	E19ML080 01/01/2019 - 31/	501	£56.54	0.13	✓
KC370110	DBC - 21-27 CRESENT ROAD	21-27 Crescent Road			Hemel Hempstead	HP2 4AH	E19ML011 01/01/2019 - 31/	499	£49.40	0.13	✓
KC370540	DBC - 227-243 WAVENEY	227-243 Waveney			Hemel Hempstead	HP2 6DL	E18ML196 01/01/2019 - 31/	497	£63.86	0.13	✓
KC370327	DBC - 106-109 LIVINGSTONE WALK	106-109 Livingstone Walk			Hemel Hempstead	HP2 6AL	E19ML075 01/01/2019 - 31/	497	£52.64	0.13	✓
KC370493	DBC - 1-16 BRIARCLIFF	1-16 Briarcliff			Hemel Hempstead	HP1 2NJ	E18ML175 01/01/2019 - 31/	495	£63.51	0.13	✓
KC370286	DBC - 49-59 EVEREST WAY	49-59 Everest Way			Hemel Hempstead	HP2 4HZ	E18ML196 01/01/2019 - 31/	494	£54.63	0.13	✓
KC370639	DBC - 5-10 OLIVE TAYLOR COURT	5-10 Olive Taylor Court			Hemel Hempstead	HP2 6BP	E19ML013 01/01/2019 - 31/	492	£63.31	0.13	✓
KC370552	DBC - 269-275 WAVENEY	269-275 Waveney			Hemel Hempstead	HP2 6DQ	E19ML076 01/01/2019 - 31/	491	£63.61	0.13	✓
KC370271	DBC - 154-164 WINDMILL ROAD	154-164 Windmill Road			Hemel Hempstead	HP2 4BP	E18ML197 01/01/2019 - 31/	489	£49.67	0.12	✓
KC370667	DBC - 176-182 CRAWLEY DRIVE	176-182 Crawley Drive			Hemel Hempstead	HP2 6DB	E19ML024 01/01/2019 - 31/	488	£57.79	0.12	✓
KC370663	DBC - 23-33 YEOMANS RIDE	STAIRCASE LGH	23-33 SQUIRES RIDE		Hemel Her HERTFOR	HP2 6LE	E19ML019 01/01/2019 - 31/	487	£46.75	0.12	✓
KC370206	DBC - 49-52 DRIFTWAY	49-52 Driftway			Hemel Hempstead	HP2 4EA	E19ML024 01/01/2019 - 31/	487	£50.62	0.12	✓
KC370317	DBC - 2-12 CHAULDEN HOUSE GARDENS	2-12 Chaulden House Gardens			Hemel Hempstead	HP1 2BW	E18ML175 01/01/2019 - 31/	485	£50.91	0.12	✓
KC370208	DBC - 497-507 LONG CHAULDEN	497-507 Long Chaulden			Hemel Hempstead	HP1 2NP	E18ML175 01/01/2019 - 31/	485	£55.01	0.12	✓
KC370403	DBC - 313-323 ST ALBANS ROAD	313-323 St Albans Road			Hemel Hempstead	HP2 4RP	E19ML024 01/01/2019 - 31/	484	£55.59	0.12	✓
KC370443	DBC - 14-24 YEOMANS RIDE	14-24 Yeomans Ride			Hemel Hempstead	HP2 6LG	E19ML018 01/01/2019 - 31/	482	£56.97	0.12	✓
KC370035	DBC - 114-117 LIVINGSTONE WALK	114-117 Livingstone Walk			Hemel Hempstead	HP2 6AL	E19ML076 01/01/2019 - 31/	482	£55.06	0.12	✓
KC370150	DBC - 32-36 DELLCUT ROAD	32-36 Dellcut Road			Hemel Hempstead	HP2 5NG	E19ML021 01/01/2019 - 31/	482	£47.76	0.12	✓
KC370004	DBC - 1-11 EVEREST WAY	1-11 Everest Way									

KC370066	DBC - 133-143 BRIEY WAY	133-143 Briey Way		Hemel Hempstead	HP2 7AN	E19ML075 01/01/2019 - 31/	476	£49.96	0.12	✓	
KC370269	DBC - 97-103 LEYS ROAD	97-103 Leys Road		Hemel Hempstead	HP3 3JX	E19ML017 01/01/2019 - 31/	476	£53.61	0.12	✓	
KC370245	DBC - 8 LIVINGSTONE WALK	8 Livingstone Walk		Hemel Hempstead	HP2 6AH	E19ML075 01/01/2019 - 31/	474	£52.06	0.12	✓	
KC370240	DBC - 75-79 GADEBRIDGE ROAD	75-79 Gadebridge Road		Hemel Hempstead	HP1 3DX	E18ML175 01/01/2019 - 31/	473	£46.03	0.12	✓	
KC370244	DBC - 78-89 CHAULDEN HOUSE GARDEN	78-89 Chaulden House Gardens		Hemel Hempstead	HP1 2BW	E18ML156 01/01/2019 - 31/	472	£50.73	0.12	✓	
KC370105	DBC - 2-6 URANUS ROAD	2-6 Uranus Road		Hemel Hempstead	HP2 5QF	E18ML174 01/01/2019 - 31/	469	£48.25	0.12	✓	
KC370183	DBC - 40-43 LIVINGSTONE WALK	40-43 Livingstone Walk		Hemel Hempstead	HP2 6AJ	E19ML075 01/01/2019 - 31/	469	£56.63	0.12	✓	
KC370300	DBC - 12-18 KNIGHTSBRIDGE WAY	12-18 Knightsbridge Way		Hemel Hempstead	HP2 5ER	E18ML173 01/01/2019 - 31/	468	£44.75	0.12	✓	
KC370424	DBC - 33-39 FIELD ROAD	33-39 Field Road		Hemel Hempstead	HP2 4RR	E19ML011 01/01/2019 - 31/	465	£55.55	0.12	✓	
KC370585	DBC - 5-8 THE ROWANS	5-8 The Rowans		Hemel Hempstead	HP1 1RX	E18ML174 01/01/2019 - 31/	465	£59.58	0.12	✓	
KC370275	DBC - 14-24 BROADFIELD - M1	14-24 Broadfield		Hemel Hempstead	HP2 4EE	S83E0280 01/01/2019 - 31/	462	£56.48	0.12	✓	
KC370253	DBC - 86-89 LIVINGSTONE WALK	86-89 Livingstone Walk		Hemel Hempstead	HP2 6AL	E19ML076 01/01/2019 - 31/	459	£51.11	0.12	✓	
KC370405	DBC - 38-48 HILLARY ROAD	38-48 Hillary Road	Adeyfield	Hemel Hempstead	HP2 4HU	E18ML176 01/01/2019 - 31/	459	£54.07	0.12	✓	
KC370274	DBC - 2-12 BROADFIELD ROAD	2-12 Broadfield Road		Hemel Hempstead	HP2 4DT	E18ML155 01/01/2019 - 31/	456	£46.89	0.12	✓	
KC370365	DBC - 14-24 CHAULDEN HOUSE GARDEN	14-24 Chaulden House Gardens		Hemel Hempstead	HP1 2BW	E18ML173 01/01/2019 - 31/	453	£55.27	0.12	✓	
KC370081	DBC - 1-6 BARRA CLOSE	1-6 Barra Close		Hemel Hempstead	HP3 8TN	E19ML019 01/01/2019 - 31/	453	£55.07	0.12	✓	
KC370025	DBC - 110-116 CHURCH STREET	110-116 Church Street		Hemel Hempstead	HP2 5SY	E19ML077 01/01/2019 - 31/	452	£52.33	0.12	✓	
KC370491	DBC - 11-15 OLIVE TAYLOR COURT	11-15 Olive Taylor Cou Grove Hill		Hemel Hempstead	HP2 6BP	E19ML014 01/01/2019 - 31/	451	£57.96	0.12	✓	
KC370515	DBC - 158-164 GADEBRIDGE ROAD	158-164 Gadebridge Road		Hemel Hempstead	HP1 3ER	E19ML012 01/01/2019 - 31/	448	£57.47	0.11	✓	
KC370117	DBC - 22-28 AYLCLIFFE DRIVE	22-28 Aycliffe Drive		Hemel Hempstead	HP2 6DF	E19ML077 01/01/2019 - 31/	447	£46.89	0.11	✓	
KC370122	DBC - 24-30 GREAT STURGESS	24-30 Great Sturgess		Hemel Hempstead	HP1 2LQ	E18ML175 01/01/2019 - 31/	441	£54.09	0.11	✓	
KC370401	DBC - 2-12 HILLARY ROAD	2-12 Hillary Road	Adeyfield	Hemel Hempstead	HP2 4HU	E18ML176 01/01/2019 - 31/	441	£57.78	0.11	✓	
KC370115	DBC - 22-28 JUPITER DRIVE	22-28 Jupiter Drive		Hemel Hempstead	HP2 5QJ	E18ML176 01/01/2019 - 31/	440	£43.82	0.11	✓	
KC370235	DBC - 73-83 STONLEEA ROAD	73-83 Stonelea Road		Hemel Hempstead	HP2 9JZ	E19ML015 01/01/2019 - 31/	440	£45.87	0.11	✓	
KC370459	DBC - 44-50 GEORGE STREET	44-50 George Street		Berkhamsted	HP4 2EQ	E19ML013 01/01/2019 - 31/	439	£51.82	0.11	✓	
KC370342	DBC - 6-7A SEABRIGHT ROAD	6-7A Seabright Road	Markyate	St Albans	Hemel Hempstead	AL3 8RT	E19ML019 01/01/2019 - 31/	435	£44.79	0.11	✓
KC370557	DBC - 30 ALEXANDRA ROAD	30 Alexandra Road		Hemel Hempstead	HP2 5BS	E19ML078 01/01/2019 - 31/	435	£56.02	0.11	✓	
KC370239	DBC - 75-79 BURY ROAD	75-79 Bury Road		Hemel Hempstead	HP1 1HW	E18ML174 01/01/2019 - 31/	434	£40.15	0.11	✓	
KC370484	DBC - 1-7 MARCHMONT GREEN	1-7 Marchmont Green		Hemel Hempstead	HP2 5BB	E19ML022 01/01/2019 - 31/	434	£55.72	0.11	✓	
KC370265	DBC - 92-98 PARKWOOD DRIVE	92-98 Parkwood Drive		Hemel Hempstead	HP1 2LD	E18ML154 01/01/2019 - 31/	433	£45.40	0.11	✓	
KC370095	DBC - 17-23 VARNEY ROAD	17-23 Varney Road		Hemel Hempstead	HP1 2LB	E18ML158 01/01/2019 - 31/	430	£44.20	0.11	✓	
KC370421	DBC - 1-6 WADLEY CLOSE	1-6 Wadley Close		Hemel Hempstead	HP2 4JJ	E19ML012 01/01/2019 - 31/	430	£50.37	0.11	✓	
KC370282	DBC - 11-16 HAMMER LANE	11-16 Hammer Lane		Hemel Hempstead	HP2 4EU	E18ML176 01/01/2019 - 31/	429	£45.04	0.11	✓	
KC370315	DBC - 4-79 TOWNSEND	4-79 Townsend		Hemel Hempstead	HP2 5SP	S90E0260 01/01/2019 - 31/	427	£57.50	0.11	✓	
KC370369	DBC - 7-12 MADDOX ROAD	7-12 Maddox Road		Hemel Hempstead	HP2 4QF	E19ML024 01/01/2019 - 31/	427	£51.67	0.11	✓	
KC370291	DBC - 19-24 MADDOX ROAD	19-24 Maddox Road		Hemel Hempstead	HP2 4QF	E19ML024 01/01/2019 - 31/	426	£44.23	0.11	✓	
KC370176	DBC - 39-49 CLEVES ROAD	39-49 Cleves Road		Hemel Hempstead	HP2 7LQ	E19ML076 01/01/2019 - 31/	424	£54.41	0.11	✓	
KC370411	DBC - 51-57 MAYFLOWER AVENUE	51-57 Mayflower Avenue		Hemel Hempstead	HP2 4AF	E18ML195 01/01/2019 - 31/	423	£45.91	0.11	✓	
KC370393	DBC - 1-4 CLOVER WAY	1-4 Clover Way		Hemel Hempstead	HP1 3EA	E19ML011 01/01/2019 - 31/	422	£48.28	0.11	✓	
KC370251	DBC - 84-90 GREAT STURGESS	84-90 Great Sturgess		Hemel Hempstead	HP1 2LJ	E18ML173 01/01/2019 - 31/	421	£45.79	0.11	✓	
KC370092	DBC - 172-176 NORTHBRIDGE WAY	172-176 Northridge Way		Hemel Hempstead	HP1 2AL	E18ML174 01/01/2019 - 31/	418	£42.43	0.11	✓	
KC370263	DBC - 91-97 CHAULDEN HOUSE GARDEN	91-97 Chaulden House Gardens		Hemel Hempstead	HP1 2BW	E18ML136 01/01/2019 - 31/	418	£38.57	0.11	✓	
KC370587	DBC - 62-68 WAVENEY	62-68 Waveney		Hemel Hempstead	HP2 6DQ	E19ML024 01/01/2019 - 31/	416	£53.77	0.11	✓	
KC370670	DBC - 82-85 LIVINGSTONE WALK	82-85 Livingstone Walk		Hemel Hempstead	HP2 6AL	E19ML076 01/01/2019 - 31/	415	£48.25	0.11	✓	
KC370684	DBC - 11-21 DELLCUT ROAD	11-21 Dellcut Road		Hemel Hempstead	HP2 5NG	E19ML023 01/01/2019 - 31/	415	£46.11	0.11	✓	
KC370359	DBC - 151-161 CLEVES ROAD	151-161 Cleves Road		Hemel Hempstead	HP2 7PL	E19ML023 01/01/2019 - 31/	414	£42.00	0.11	✓	
KC370158	DBC - 337-347 ST ALBANS ROAD	337-347 St Albans Road		Hemel Hempstead	HP2 4RP	E19ML012 01/01/2019 - 31/	413	£39.37	0.11	✓	
KC370132	DBC - 26-32 LOXLEY ROAD	26-32 Loxley Road		Berkhamsted	HP4 3PS	E19ML018 01/01/2019 - 31/	411	£41.55	0.11	✓	
KC370499	DBC - 12 WAVENEY - M3	12 Waveney		Hemel Hempstead	HP2 6DH	E19ML015 01/01/2019 - 31/	408	£52.11	0.10	✓	
KC370347	DBC - 1-7 MEDWAY ROAD - M4	1-7 Medway Road		Hemel Hempstead	HP2 6ED	E19ML022 01/01/2019 - 31/	405	£41.74	0.10	✓	
KC370402	DBC - 26-36 HILLARY ROAD	26-36 Hillary Road	Adeyfield	Hemel Hempstead	HP2 4HU	E19ML078 01/01/2019 - 31/	405	£48.38	0.10	✓	
KC370548	DBC - 253-257 WAVENEY	253-257 Waveney		Hemel Hempstead	HP2 6BL	E19ML013 01/01/2019 - 31/	404	£51.93	0.10	✓	
KC370668	DBC - 51-61 CLEVES ROAD	51-61 Cleves Road		Hemel Hempstead	HP2 7LQ	E19ML023 01/01/2019 - 31/	404	£45.23	0.10	✓	
KC370647	DBC - 6-15 ALMA ROAD	6-15 Alma Road		Berkhamsted	HP4 3RF	E19ML009 01/01/2019 - 31/	402	£51.16	0.10	✓	
KC370420	DBC - 37-47 EVEREST WAY	37-47 Everest Way		Hemel Hempstead	HP2 4HZ	E18ML196 01/01/2019 - 31/	400	£47.43	0.10	✓	
KC370246	DBC - 81-91 CLEVES ROAD	81-91 Cleves Road		Hemel Hempstead	HP2 7LQ	E18ML166 01/01/2019 - 31/	398	£45.69	0.10	✓	
KC370596	DBC - 8 STRONSAY CLOSE	8 Stronsay Close		Hemel Hempstead	HP3 8TD	E19ML075 01/01/2019 - 31/	398	£51.06	0.10	✓	
KC370568	DBC - 343-349 GALLEYHILL	343-349 Galleyhill		Hemel Hempstead	HP1 3JZ	E19ML022 01/01/2019 - 31/	395	£50.73	0.10	✓	
KC370462	DBC - 50-55 KIMPTON CLOSE	Landlord Supply	50-55 Kimpton Close	Hemel Hempstead	HP2 7PW	E18ML168 01/01/2019 - 31/	390	£47.26	0.10	✓	
KC370641	DBC - 18-20 OLIVE TAYLOR COURT	18-20 Olive Taylor Court		Hemel Hempstead	HP2 6BP	E19ML013 01/01/2019 - 31/	388	£49.97	0.10	✓	
KC370346	DBC - 1-7 MEDWAY ROAD - M3	1-7 Medway Road		Hemel Hempstead	HP2 6ED	E19ML015 01/01/2019 - 31/	387	£45.52	0.10	✓	
KC370147	DBC - 30-36 AYLCLIFFE DRIVE	30-36 Aycliffe Drive		Hemel Hempstead	HP2 6DF	D10C2954 01/01/2019 - 31/	387	£46.93	0.10	✓	
KC370220	DBC - 58-61 LIVINGSTONE WALK	58-61 Livingstone Walk		Hemel Hempstead	HP2 6AJ	E19ML076 01/01/2019 - 31/	386	£44.20	0.10	✓	
KC370022	DBC - 109-119 RANTS MEADOW	109-119 Rants Meadow		Hemel Hempstead	HP3 8PQ	E19ML015 01/01/2019 - 31/	383	£43.89	0.10	✓	
KC370126	DBC - 25-28 DRIFTWAY	25-28 Driftway		Hemel Hempstead	HP2 4EA	E18ML155 01/01/2019 - 31/	377	£39.58	0.10	✓	
KC370439	DBC - 10-16 KIMPTON CLOSE	10-16 Kimpton Close		Hemel Hempstead	HP2 7PN	E19ML075 01/01/2019 - 31/	376	£48.77	0.10	✓	
KC370146	DBC - 301-311 ST ALBANS ROAD	301-311 St Albans Road		Hemel Hempstead	HP2 4RP	E19ML023 01/01/2019 - 31/	376	£38.21	0.10	✓	
KC370129	DBC - 25-31 CRAWLEY DRIVE	25-31 Crawley Drive		Hemel Hempstead	HP2 6BX	E18ML011 01/01/2019 - 31/	375	£43.93	0.10	✓	
KC370125	DBC - 25-35 BRIEY WAY	25-35 Briey Way		Hemel Hempstead	HP2 7AP	E19ML079 01/01/2019 - 31/	375	£38.34	0.10	✓	
KC370285	DBC - 25-35 EVEREST WAY	25-35 Everest Way		Hemel Hempstead	HP2 4HZ	E18ML196 01/01/2019 - 31/	373	£36.12	0.10	✓	
KC370266	DBC - 93-99 BARNACRES	93-99 Barnacres		Hemel Hempstead	HP3 8HS	E19ML015 01/01/2019 - 31/	372	£35.06	0.10	✓	
KC370451	DBC - 20-25 KIMPTON CLOSE	20-25 Kimpton Close		Hemel Hempstead	HP2 7PN	E19ML075 01/01/2019 - 31/	371	£48.04	0.09	✓	
KC370289	DBC - 97-107 TURNERS HILL	97-107 Turners Hill		Hemel Hempstead	HP2 4LH	E19ML012 01/01/2019 - 31/	370	£40.65	0.09	✓	
KC370367	DBC - 29-35 CRESENT ROAD	29-35 Crescent Road		Hemel Hempstead	HP2 4AH	E19ML022 01/01/2019 - 31/	369	£43.03	0.09	✓	
KC370073	DBC - 14-18 VARNEY ROAD	14-18 Varney Road		Hemel Hempstead	HP1 2LB	E18ML156 01/01/2019 - 31/	366	£35.58	0.09	✓	
KC370255	DBC - 87-93 GADEBRIDGE ROAD	87-93 Gadebridge Road		Hemel Hempstead	HP1 3DY	E19ML012 01/01/2019 - 31/	366	£34.80	0.09	✓	
KC370288	DBC - 73-83 TURNERS HILL	73-83 Turners Hill		Hemel Hempstead	HP2 4LH	E19ML012 01/01/2019 - 31/	366	£43.75	0.09	✓	
KC370354	DBC - 351-357 GALLEY HILL	351-357 Galley Hill		Hemel Hempstead	HP1 3LA	E19ML022 01/01/2019 - 31/	365	£40.89	0.09	✓	
KC370232	DBC - 7 STROMA CLOSE	7 Stroma Close		Hemel Hempstead	HP3 8TD	E19ML015 01/01/2019 - 31/	364	£43.18	0.09	✓	
KC370162	DBC - 35-39 PUDDING LANE	35-39 Pudding Lane		Hemel Hempstead	HP1 3JU	E19ML022 01/01/2019 - 31/	363	£46.43	0.09	✓	
KC370423	DBC - 17-23 FIELD ROAD	17-23 Field Road		Hemel Hempstead	HP2 4RR	E19ML011 01/01/2019 - 31/	359	£42.80	0.09	✓	
KC370632	DBC - 23-33 CHURCH STREET	23-33 Church Street		Hemel Hempstead	HP2 5AS	E18ML174 01/01/2019 - 31/	356	£45.38	0.09	✓	
KC370380	DBC - 2-4 GREAT STURGESS	2-4 Great Sturgess		Hemel Hempstead	HP1 2LQ	E18ML132 01/01/2019 - 31/	355	£38.24	0.09	✓	
KC370554	DBC - 285-291 WAVENEY	285-291 Waveney		Hemel Hempstead	HP2 6DQ	E19ML024 01/01/2019 - 31/	353	£45.72	0.09	✓	
KC370385	DBC - 511-529 BARNACRES ROAD	511-529 Barnacres Road		Hemel Hempstead	HP3 8AR	E19ML015 01/01/2019 - 31/	353	£40.82	0.09	✓	
KC370556	DBC - 293-299 WAVENEY	293-299 Waveney		Hemel Hempstead	HP2 6BL	E19ML015 01/01/2019 - 31/	349	£44.45	0.09	✓	
KC370195	DBC - 43-44 THE DRIFTWAY	43-44 The Driftway		Hemel Hempstead	HP2 4EA	E18ML166 01/01/2019 - 31/	349	£39.45	0.09	✓	
KC370032	DBC - 11-14 RUNCORN CRESCENT	11-14 Runcorn Crescent		Hemel Hempstead	HP2 6DG	E19ML076 01/01/2019 - 31/	347	£34.41	0.09	✓	
KC370221	DBC - 6-16 WHITE HART ROAD	6-16 White Hart Road		Hemel Hempstead	HP2 4JH	E18ML166 01/01/2019 - 31/	347	£36.89	0.09	✓	
KC370042	DBC - 12-18 HILLDOWN ROAD	12-18 Hilldown Road		Hemel Hempstead	HP1 3JE	E19ML021 01/01/2019 - 31/	345	£35.56	0.09	✓	
KC370024	DBC - 11-17 SATURN WAY	11-17 Saturn Way		Hemel Hempstead	HP2 5NY	E19ML023 01/01/2019 - 31/	345	£37.56	0.09	✓	
KC370396	DBC - 13-18 UNDERACRES CLOSE	13-18 Underacres Close		Hemel Hempstead	HP2 7AL	E19ML086 01/01/2019 - 31/	344	£41.57	0.09	✓	
KC370519	DBC - 163-169 FLETCHER WAY	163-169 Fletcher Way		Hemel Hempstead	HP2 5SA	E19ML077 01/01/2019 - 31/	343	£44.95	0.09	✓	
KC370116	DBC - 22-24 BARLEY CROFT	22-24 Barley Croft	Leverstock Green Road	Hemel Hempstead	HP2 4UU	E19ML011 01/01/2019 - 31/	338	£31.58	0.09	✓	
KC370309	DBC - 90-96 LEYS ROAD	90-96 Leys Road									

KC370504	DBC - 127-129 HOBBS HILL ROAD	127-129 Hobbs Hill Road		Hemel Hempstead	HP3 9QG	E19ML025 01/01/2019 - 31/	321	£41.38	0.08 ✓	
KC370566	DBC - 166-168 GADEBRIDGE ROAD	166-168 Gadbridge Road		Hemel Hempstead	HP1 3JZ	E18ML195 01/01/2019 - 31/	319	£40.61	0.08 ✓	
KC370152	DBC - 32-38 GADEBRIDGE ROAD	32-38 Gadbridge Road		Hemel Hempstead	HP1 3DX	E19ML012 01/01/2019 - 31/	318	£29.41	0.08 ✓	
KC370175	DBC - 38-44 AYCLIFFE DRIVE	38-44 Aycliffe Drive		Hemel Hempstead	HP2 6DF	E19ML076 01/01/2019 - 31/	318	£31.29	0.08 ✓	
KC370010	DBC - 10-15 CLOVER WAY	10-15 Clover Way		Hemel Hempstead	HP1 3EA	E19ML011 01/01/2019 - 31/	317	£34.81	0.08 ✓	
KC370001	DBC - 1-6 UNDERACRES CLOSE	1-6 Underacres Close		Hemel Hempstead	HP2 7AL	E19ML080 01/01/2019 - 31/	314	£38.08	0.08 ✓	
KC370418	DBC - 153-163 LONGLANDS	153-163 Longlands		Hemel Hempstead	HP2 4EN	E18ML195 01/01/2019 - 31/	312	£34.90	0.08 ✓	
KC370330	DBC - 26-36 STEVENAGE RISE	26-36 Stevenage Rise		Hemel Hempstead	HP2 6BH	E19ML023 01/01/2019 - 31/	308	£36.85	0.08 ✓	
KC370498	DBC - 12 WAVEENEY - M2	12 Waveney		Hemel Hempstead	HP2 6DH	E18ML193 01/01/2019 - 31/	307	£39.75	0.08 ✓	
KC370394	DBC - 12 BRIEY WAY	12 Briey Way		Hemel Hempstead	HP2 7AP	E19ML080 01/01/2019 - 31/	307	£38.91	0.08 ✓	
KC370108	DBC - 20-23 SUMMER COURT	20-23 Summer Court		Hemel Hempstead	HP2 5SX	E19ML077 01/01/2019 - 31/	306	£30.00	0.08 ✓	
KC370614	DBC - BLOCK B	Block B	Victoria Road	Berkhamsted	HP4 1EQ	E19ML014 01/01/2019 - 31/	304	£38.88	0.08	
KC370093	DBC - 17 DATCHWORTH TURN	17 Datchworth Turn		Hemel Hempstead	HP2 4NY	E19ML024 01/01/2019 - 31/	303	£29.82	0.08 ✓	
KC370524	DBC - 175-181 GADEBRIDGE ROAD	175-181 Gadbridge Road		Hemel Hempstead	HP1 3ER	E19ML012 01/01/2019 - 31/	302	£38.72	0.08 ✓	
KC370261	DBC - 9-15 CRAWLEY DRIVE	9-15 Crawley Drive		Hemel Hempstead	HP2 6BX	E19ML021 01/01/2019 - 31/	301	£30.85	0.08 ✓	
KC370100	DBC - 19-22 RUNCORN CRESCENT	19-22 Runcorn Crescent		Hemel Hempstead	HP2 6DG	E19ML076 01/01/2019 - 31/	299	£30.20	0.08 ✓	
KC370494	DBC - 116-122 FLETCHER WAY	116-122 Fletcher Way		Hemel Hempstead	HP2 5RR	E19ML077 01/01/2019 - 31/	294	£38.14	0.08 ✓	
KC370072	DBC - 14-24 WOOD LANE END	14-24 Wood Lane End		Hemel Hempstead	HP2 4QX	E19ML024 01/01/2019 - 31/	294	£31.50	0.08 ✓	
KC370155	DBC - 325-335 ST ALBANS ROAD	325-335 St Albans Road		Hemel Hempstead	HP2 4RP	E19ML012 01/01/2019 - 31/	290	£29.00	0.07 ✓	
KC370335	DBC - 35-37A LAWN LANE	35-37a Lawn Lane		Hemel Hempstead	HP3 9HL	E19ML028 01/01/2019 - 31/	288	£30.33	0.07 ✓	
KC370313	DBC - 4-35 TOWNSEND	4-35 Townsend		Hemel Hempstead	HP2 5SP	S74E0003 01/01/2019 - 31/	286	£26.83	0.07 ✓	
KC370616	DBC - BLOCK F	Block F	Victoria Road	Berkhamsted	HP4 1DL	K95ES408 01/01/2019 - 31/	283	£36.00	0.07	
KC370433	DBC - ALEXANDRA ROAD	Alexandra Road	Meadowbank	Kings Langley	Hemel Hempstead	WD4 8EP	Z03E0820 01/01/2019 - 31/	278	£28.78	0.07 ✓
KC370331	DBC - 38-48 STEVENAGE RISE	38-48 Stevenage Rise		Hemel Hempstead	HP2 6BH	E19ML023 01/01/2019 - 31/	276	£27.98	0.07 ✓	
KC370653	DBC - PLOT 8	Plot 8	Church Road	Hemel Hempstead	HP3 8RN	S08E386 01/01/2019 - 31/	272	£34.64	0.07	
KC370406	DBC - 41-42 DRIFTWAY	41-42 Driftway		Hemel Hempstead	HP2 4EA	E18ML158 01/01/2019 - 31/	271	£32.14	0.07 ✓	
KC370571	DBC - 38-44 WAVEENEY	38-44 Waveney		Hemel Hempstead	HP2 6BL	E19ML015 01/01/2019 - 31/	267	£34.06	0.07 ✓	
KC370538	DBC - 22 WAVEENEY	22 Waveney		Hemel Hempstead	HP2 6BL	E19ML009 01/01/2019 - 31/	263	£33.57	0.07 ✓	
KC370344	DBC - 1-7 MEDWAY ROAD - M1	1-7 Medway Road		Hemel Hempstead	HP2 6ED	E19ML015 01/01/2019 - 31/	262	£24.67	0.07 ✓	
KC370169	DBC - 37-40 HATFIELD CRESCENT	37-40 Hatfield Crescent		Hemel Hempstead	HP2 6BZ	E19ML014 01/01/2019 - 31/	261	£25.12	0.07 ✓	
KC370536	DBC - 2-8 SIX ACRES	2-8 Six Acres		Hemel Hempstead	HP3 8HY	E19ML015 01/01/2019 - 31/	261	£33.54	0.07 ✓	
KC370559	DBC - 30-33 SUMMER COURT	30-33 Summer Court		Hemel Hempstead	HP2 5SX	E19ML077 01/01/2019 - 31/	259	£33.46	0.07 ✓	
KC370194	DBC - 42-58 VALLEYSIDE	42-58 Valleyside		Hemel Hempstead	HP1 2LN	E18ML174 01/01/2019 - 31/	257	£26.40	0.07 ✓	
KC37223W	DBC - GADEBRIDGE PARK	GADEBRIDGE PARK	WALLED GARDI LEIGHTON	Hemel Hempstead	HP1 1DN	E18ML042 01/01/2019 - 31/	251	£31.35	0.06	
KC370196	DBC - 44-46 COLES HILL	44-46 Coles Hill	Gadbridge	Hemel Hempstead	HP1 3JW	E18ML195 01/01/2019 - 31/	246	£24.84	0.06 ✓	
KC370355	DBC - 392-398 GALLEY HILL	392-398 Galley Hill		Hemel Hempstead	HP1 3LA	E19ML022 01/01/2019 - 31/	245	£24.16	0.06 ✓	
KC370337	DBC - 9-15 DATCHWORTH TURN	9-15 Datchworth Turn		Hemel Hempstead	HP2 4NY	E18ML173 01/01/2019 - 31/	239	£26.11	0.06 ✓	
KC370017	DBC - 130-136 BOXTED ROAD	130-136 Boxted Road		Hemel Hempstead	HP1 2QW	E18ML176 01/01/2019 - 31/	238	£22.65	0.06 ✓	
KC370612	DBC - 13-30 WAVEENEY	13-30 Waveney		Hemel Hempstead	HP2 6BL	E19ML009 01/01/2019 - 31/	237	£30.22	0.06 ✓	
KC370178	DBC - 39 HETCHLEYS	39 Hetchleys		Hemel Hempstead	HP1 3NX	E19ML021 01/01/2019 - 31/	235	£22.40	0.06 ✓	
KC370198	DBC - 45-51 HILLDOWN ROAD	45-51 Hilldown Road		Hemel Hempstead	HP1 3JD	E19ML012 01/01/2019 - 31/	231	£22.01	0.06 ✓	
KC370591	DBC - 7-12 SUMMER COURT	7-12 Summer Court		Hemel Hempstead	HP2 5SX	E19ML077 01/01/2019 - 31/	230	£30.32	0.06 ✓	
KC370513	DBC - 15-16 EAST GREEN	15-16 East Green		Hemel Hempstead	HP2 5BN	E19ML015 01/01/2019 - 31/	229	£25.30	0.06 ✓	
KC370590	DBC - 7 STRATFORD WAY	7 Stratford Way		Hemel Hempstead	HP3 9BA	E19ML078 01/01/2019 - 31/	225	£29.33	0.06	
KC370041	DBC - 12 GRAVELY COURT	12 Gravelly Court		Hemel Hempstead	HP2 4PR	Z06E0657 01/01/2019 - 31/	225	£25.86	0.06 ✓	
KC370189	DBC - 41-47 MARTINDALE AVENUE	41-47 Martindale Avenue		Hemel Hempstead	HP1 2QR	E18ML175 01/01/2019 - 31/	224	£24.42	0.06 ✓	
KC370575	DBC - 46-52 WAVEENEY	46-52 Waveney		Hemel Hempstead	HP2 6BL	E19ML015 01/01/2019 - 31/	223	£28.46	0.06 ✓	
KC370060	DBC - 131-132 ST ALBANS HILL	131-132 St Albans Hill		Hemel Hempstead	HP3 9NH	S79E0201 01/01/2019 - 31/	219	£24.26	0.06 ✓	
KC370582	DBC - 54-60 WAVEENEY	54-60 Waveney		Hemel Hempstead	HP2 6BL	E19ML015 01/01/2019 - 31/	215	£27.44	0.06 ✓	
KC370138	DBC - 2-8 COMMONS LANE	2-8 Commons Lane		Hemel Hempstead	HP2 5EY	L87E0426 01/01/2019 - 31/	214	£20.43	0.05 ✓	
KC37223R	DBC - 58-72 OLD HOUSE ROAD	58-72 OLD HOUSE ROAD		Hemel Hempstead	HP2 4EH	E17ML037 01/01/2019 - 31/	213	£27.28	0.05 ✓	
KC370410	DBC - 55-61 MARLINS TURN	55-61 Marlins Turn		Hemel Hempstead	HP1 3LL	E18ML193 01/01/2019 - 31/	212	£23.73	0.05 ✓	
KC370160	DBC - 34-44 BURLEIGH ROAD	34-44 Burleigh Road		Hemel Hempstead	HP2 4PP	E19ML023 01/01/2019 - 31/	210	£20.23	0.05 ✓	
KC370252	DBC - 85-95 STONELEA ROAD	85-95 Stonelea Road		Hemel Hempstead	HP2 9JZ	E19ML014 01/01/2019 - 31/	206	£26.97	0.05 ✓	
KC370580	DBC - 51-57 MALVERN WAY	51-57 Malvern Way		Hemel Hempstead	HP2 5RA	E19ML079 01/01/2019 - 31/	202	£25.77	0.05 ✓	
KC370121	DBC - 23-25 ST MARGARETS WAY	23-25 St Margarets Way		Hemel Hempstead	HP2 4PA	E19ML024 01/01/2019 - 31/	194	£18.76	0.05 ✓	
KC370045	DBC - 120-126 FENNYCROFT ROAD	120-126 Fennycroft Road		Hemel Hempstead	HP1 3NS	E19ML021 01/01/2019 - 31/	188	£17.61	0.05 ✓	
KC370030	DBC - 1-11 LYNE WAY	1-11 Lyne Way		Hemel Hempstead	HP1 3PL	E18ML195 01/01/2019 - 31/	185	£22.44	0.05 ✓	
KC370187	DBC - 40-46 PUDDING LANE	40-46 Pudding Lane		Hemel Hempstead	HP1 3JU	E19ML011 01/01/2019 - 31/	177	£19.38	0.05 ✓	
KC370058	DBC - 33-34 BUTTS RISE	33-34 Butts Rise		Hemel Hempstead	HP1 3JH	D10C3418 01/01/2019 - 31/	177	£20.45	0.05 ✓	
KC370621	DBC - CHAPEL 1	Chapel 1	Cemetery	Hemel Hempstead	HP1 1TS	E12Z0492 01/01/2019 - 31/	173	£22.47	0.04	
KC370574	DBC - 43-49 MALVERN WAY	43-49 Malvern Way		Hemel Hempstead	HP2 5RA	E19ML079 01/01/2019 - 31/	173	£22.08	0.04 ✓	
KC370318	DBC - 59-61 HERBERT STREET	59-61 Herbert Street		Hemel Hempstead	HP2 5HP	E19ML028 01/01/2019 - 31/	169	£21.08	0.04 ✓	
KC370615	DBC - BLOCK C VICTORIA ROAD	Block C Victoria Road	Berkhamsted	Hemel Hempstead	HP4 1EQ	E19ML022 01/01/2019 - 31/	167	£21.47	0.04	
KC370018	DBC - 105-111 LEYS ROAD	105-111 Leys Road		Hemel Hempstead	HP3 9JX	E19ML017 01/01/2019 - 31/	166	£20.22	0.04 ✓	
KC370262	DBC - 9-15 VARNEY ROAD	9-15 Varney Road		Hemel Hempstead	HP1 2LB	E19ML028 01/01/2019 - 31/	165	£16.74	0.04 ✓	
KC370287	DBC - 8-11 EASTWICK ROW	8-11 Eastwick Row		Hemel Hempstead	HP2 4JF	E19ML028 01/01/2019 - 31/	153	£16.03	0.04 ✓	
KC370256	DBC - 89-95 LEYS ROAD	89-95 Leys Road		Hemel Hempstead	HP3 9JX	E19ML017 01/01/2019 - 31/	153	£18.17	0.04 ✓	
KC370295	DBC - 52-58 SPRINGFIELD ROAD	52-58 Springfield Road		Hemel Hempstead	HP2 5EJ	E19ML024 01/01/2019 - 31/	148	£14.49	0.04 ✓	
KC370182	DBC - 4-7 THE FLAGS	4-7 The Flags		Hemel Hempstead	HP2 4QH	E19ML024 01/01/2019 - 31/	146	£13.78	0.04 ✓	
KC370248	DBC - 81-87 LEYS ROAD	81-87 Leys Road		Hemel Hempstead	HP3 9JX	E19ML025 01/01/2019 - 31/	146	£13.85	0.04 ✓	
KC370645	DBC - LANDSCAPE SUB-DEPOT	Landscape Sub-Depot	Kimps Way	Hemel Hempstead	HP3 8EN	E12Z1054 01/01/2019 - 31/	145	£18.50	0.04	
KC370014	DBC - 101-107 MARLINS TURN	101-107 Marlins Turn		Hemel Hempstead	HP1 3LW	E18ML195 01/01/2019 - 31/	141	£13.60	0.04 ✓	
KC370040	DBC - 12 CRAWLEY DRIVE	12 Crawley Drive		Hemel Hempstead	HP2 6BS	E19ML013 01/01/2019 - 31/	138	£15.83	0.04 ✓	
KC370690	DBC - GABLE WALL	Gable Wall	2 Bede Court	Berkhamsted	HP4 1NY	E19ML013 01/01/2019 - 31/	136	£15.88	0.03 ✓	
KC370102	DBC - 2 AYCLIFFE DRIVE	2 Aycliffe Drive		Hemel Hempstead	HP2 6DE	E19ML076 01/01/2019 - 31/	132	£14.51	0.03 ✓	
KC370685	DBC - 20 SOLWAY	20 Solway		Hemel Hempstead	HP2 5QN	E19ML079 01/01/2019 - 31/	125	£15.72	0.03 ✓	
KC370329	DBC - 27 CRAIGAVON ROAD	27 Craigavon Road		Hemel Hempstead	HP2 6BA	E19ML023 01/01/2019 - 31/	125	£14.12	0.03 ✓	
KC370242	DBC - 76-82 GREAT STURGESS	76-82 Great Sturges		Hemel Hempstead	HP1 2LJ	E18ML154 01/01/2019 - 31/	112	£13.34	0.03 ✓	
KC370077	DBC - 15 POYNDERS HILL	15 Poynders Hill		Hemel Hempstead	HP2 4PQ	Z06E0663 01/01/2019 - 31/	112	£12.70	0.03 ✓	
KC370567	DBC - 35-41 MALVERN WAY	35-41 Malvern Way		Hemel Hempstead	HP2 5RA	E19ML079 01/01/2019 - 31/	110	£13.99	0.03 ✓	
KC370071	DBC - 1-4 SLEETS END	1-4 Sleets End		Hemel Hempstead	HP1 3JA	S85E0469 01/01/2019 - 31/	109	£11.85	0.03 ✓	
KC370142	DBC - 285-291 LONG CHAULDEN	285-291 Long Chaulden		Hemel Hempstead	HP1 2NX	E18ML156 01/01/2019 - 31/	108	£10.29	0.03 ✓	
KC370078	DBC - 15 ST AGNELLS LANE	15 St Agnells Lane		Hemel Hempstead	HP2 7AX	E19ML022 01/01/2019 - 31/	102	£11.31	0.03 ✓	
KC370127	DBC - 25 WASHINGTON AVENUE	25 Washington Avenue		Hemel Hempstead	HP2 6AA	E19ML075 01/01/2019 - 31/	98	£9.17	0.03 ✓	
KC370140	DBC - 2-8 MARLINS TURN	2-8 Marlins Turn		Hemel Hempstead	HP1 3LQ	E18ML193 01/01/2019 - 31/	96	£8.68	0.02 ✓	
KC370086	DBC - 16-19 REYNOLDS CLOSE	16-19 Reynolds Close		Hemel Hempstead	HP1 3EF	Z01E6221 01/01/2019 - 31/	96	£8.73	0.02 ✓	
KC370336	DBC - 1-7 DATCHWORTH TURN	1-7 Datchworth Turn		Hemel Hempstead	HP2 4NY	E18ML173 01/01/2019 - 31/	92	£8.38	0.02 ✓	
KC370686	DBC - 67 ST AGNELLS LANE	67 St Agnells Lane		Hemel Hempstead	HP2 7AY	E19ML017 01/01/2019 - 31/	89	£8.55	0.02 ✓	
KC370104	DBC - 2 BRACKNELL PLACE	2 Bracknell Place		Hemel Hempstead	HP2 6BT	E19ML019 01/01/2019 - 31/	86	£9.14	0.02 ✓	
KC370023	DBC - 11 CUMBERLOW PLACE	11 Cumberlow Place		Hemel Hempstead	HP2 4PW	S87E1401 01/01/2019 - 31/	86	£11.87	0.02 ✓	
KC370353	DBC - 326-332 GALLEY HILL	326-332 Galley Hill		Hemel Hempstead	HP1 3JZ	E19ML022 01/01/2019 - 31/	82	£7.85	0.02 ✓	
KC370673	DBC - 1 STEVENAGE RISE	1 Stevenage Rise		Hemel Hempstead	HP2 6BH	E18ML196 01/01/2019 - 31/	74	£9.45	0.02 ✓	
KC370381	DBC - 34-34A CRAWLEY DRIVE	34-34a Crawley Drive		Hemel Hempstead	HP2 6BS	E19ML013 01/01/2019 - 31/	73	£8.90	0.02 ✓	
KC370307	DBC - LANDLORD SUPPLY	Landlord Supply	Arch	Legfield Tr	Hemel Hempstead	HP1 2LL	E18ML175 01/01/2019 - 31/	71	£8.30	0.02 ✓
KC37223M	DBC - 175-189 LONDON ROAD	175-189 LONDON ROAD		Hemel Her	HERTFOR	HP3 9SQ	2.15E+08 01/01/2019 - 31/	70	£8.87	0.02 ✓
KC370617	DBC - BLOCK G VICTORIA ROAD	Block G Victoria Road	Berkhamsted	Hemel Hempstead	HP4 1EQ	E19ML013 01/01/2019 - 31/	48	£6.16	0.01	
KC370408	DBC - 44-50 MARLINS TURN	44-50 Marlins Turn		Hemel Hempstead	HP1 3LL	E18ML195 01/01/2019 - 31/	47	£5.12	0.01 ✓	
KC370334	DBC - ARCHWAY	Archway	Hyperion Court	Hemel Hempstead	HP2 5PB	E19ML018 01/01/2019 - 31/	35	£3.91	0.01 ✓	
KC370083	DBC - 16-18 LARCHWOOD ROAD	16-18 Larchwood Road		Hemel Hempstead	HP2 5NB	E19ML024 01/01/2019 - 31/				

KC370376	DBC - 113-119 WIDMORE DRIVE	113-119 Widmore Drive	Hemel Hempstead	HP2 5LZ	E18ML158 01/01/2019 - 31/	22	£2.56	0.01	✓
KC370583	DBC - 5-6 ROSSGATE	5-6 Rossgate	Hemel Hempstead	HP1 3LG	K80E0530 01/01/2019 - 31/	12	£1.53	0.00	
KC370622	DBC - CHAPEL 2	Chapel 2 Cemetery	Hemel Hempstead	HP1 1TS	E12Z0492 01/01/2019 - 31/	1	£0.13	0.00	
KC370623	DBC - ELDERLY PEOPLE'S FLATS	Elderly People's Flats Chapel Street	Hemel Hempstead	HP2 5AA	A08LB245 01/01/2019 - 31/	-	£0.00	-	✓
KC370682	DBC - CHAULDEN HOUSE GARDENS	Chaulden House Gardens	Hemel Hempstead	HP1 2BW	Z02E5422 01/01/2019 - 31/	-	£0.00	-	✓
KC370517	DBC - 16-22 RANDALLS RIDE	16-22 Randalls Ride	Hemel Hempstead	HP2 5AQ	K02E1246 01/01/2019 - 31/	-	£0.00	-	✓
KC370044	DBC - 12 PALLAS ROAD	12 Pallas Road	Hemel Hempstead	HP2 5NR	E19ML079 01/01/2019 - 31/	-	£0.00	-	✓
KC370438	DBC - LANDLORD SUPPLY	Landlord Supply 9 Martian Avenue	Hemel Hempstead	HP2 5PH	E19ML015 01/01/2019 - 31/	-	£0.00	-	✓
KC370528	DBC - 1-9 MERCURY WALK	1-9 Mercury Walk	Hemel Hempstead	HP2 5PH	E19ML014 01/01/2019 - 31/	-	£0.00	-	✓
KC370319	DBC - GARAGE FORECOURT	Garage Forecourt Deimos Drive	Hemel Hempstead	HP2 5NH	E19ML011 01/01/2019 - 31/	-	£0.00	-	✓
KC370488	DBC - 11 WAVENEY	11 Waveney	Hemel Hempstead	HP2 6BL	E19ML009 01/01/2019 - 31/	-	£0.00	-	✓
KC370593	DBC - 75 WAVENEY	75 Waveney	Hemel Hempstead	HP2 6DH	E19ML015 01/01/2019 - 31/	-	£0.00	-	✓
KC370594	DBC - 75-145 WAVENEY	75-145 Waveney	Hemel Hempstead	HP2 6BL	E19ML015 01/01/2019 - 31/	-	£0.00	-	✓
KC370486	DBC - 1-73 WAVENEY	1-73 Waveney	Hemel Hempstead	HP2 6DQ	E19ML015 01/01/2019 - 31/	-	£0.00	-	✓
KC370241	DBC - 76 CRAWLEY DRIVE	76 Crawley Drive	Hemel Hempstead	HP2 6BU	E19ML021 01/01/2019 - 31/	-	£0.00	-	✓
KC370392	DBC - 1-3 BRACKNELL PLACE	1-3 Bracknell Place	Hemel Hempstead	HP2 6BT	E18ML174 01/01/2019 - 31/	-	£0.00	-	✓
KC370387	DBC - 8 CUMBERLOW PLACE	8 Cumberlow Place	Hemel Hempstead	HP2 4NP	E19ML024 01/01/2019 - 31/	-	£0.00	-	✓
KC370217	DBC - 5-8 & 13-18 VILLAGE CENTRE	5-8 & 13-18 Village Centre	Hemel Hempstead	HP3 8QG	K70E0011 01/01/2019 - 31/	-	£0.00	-	✓
KC370677	DBC - 16 THE REDDINGS	16 The Reddings	Hemel Hempstead	HP3 9JL	E19ML015 01/01/2019 - 31/	-	£0.00	-	✓
KC37223Q	DBC - 19-24 RIVERSIDE GARDENS	19-24 RIVERSIDE GARDENS	Berkhams HERTS	HP4 1DN	E17ML037 01/01/2019 - 31/	-	£0.00	-	✓
Total						3,715,195	£488,364.53	949.60	

Bill										Water	Sewerage	Adjusted Water		Supply Water Tonnes of			
Customer No	Property No	Account No	Property Address	Postal Code	Postal Incode	Billing Frequency	Core	No of days	Costs (£)	consumption (m3)	Consumption (m3)	No of Days	consumption m3	Adjusted Sewerage Consumption m3	Costs	CO2e	Sewerage Tonnes of CO2e
CW0000341634	TW04382		BRICKFIELD HP2	7QA		Monthly	301354189X		351	235.61	175	351	182	182	245	0.1	0.1
CW0000341634	TW04475		61-68 GGE HP23	SDN		Monthly	3011861706		351	87.6	0	351	0	0	91	0.0	0.0
CW0000341634	TW13033		41-48 BLO HP23	SDR		Monthly	3010297866		351	87.6	0	351	0	0	91	0.0	0.0
CW0000341634	TW14300		CIVIC CEN' HP4	3HD		Monthly	3013572779		212	309.51	#N/A	#N/A	#N/A	No consumption on site consumption tabs		533	0.0
CW0000341634	TW17203		NEW FOO' HP2	6NE		Quarterly	3013809345		351	1143	332	351	345	345	1,189	0.1	0.2
CW0000341634	TW21199		PUBLIC CC HP4	2AY		Monthly	3013387777		351	861.69	741	351	771	771	896	0.3	0.5
CW0000341634	TW22682		RESIDENTI HP23	5BE		Monthly	3011708398		351	946.97	215	351	224	224	985	0.1	0.2
CW0000341634	TW24041		THE MUSE HP4	3YL		Monthly	3013212284		351	600	553	351	575	575	624	0.2	0.4
CW0000341634	TW26570		COMMUN HP1	2LI		Monthly	3013417269		351	152.48	12	351	12	12	159	0.0	0.0
CW0000341634	TW26937		COMMUN HP2	6BK		Quarterly	3013573848		351	152.18	12	351	12	12	158	0.0	0.0
CW0000341634	TW35312		THE CHLT HP4	3AX		Monthly	3013235519		330	74.73	12	330	13	13	83	0.0	0.0
CW0000341634	TW35454		CEMETERI HP1	1TS		Monthly	3013237341		351	245.22	185	351	192	192	255	0.1	0.1
CW0000341634	TW36101		CENTRAL I HP1	1HH		Quarterly	301335948X		279	12706.5	12539	279	16404	16404	16,623	5.6	11.6
CW0000341634	TW39905		PREMISES, HP2	6NG		Annually	301340888X		114	169.4	154	114	493	493	542	0.2	0.3
CW0000341634	TW44658		STORES & HP3	8EN		Monthly	3013607912		212	219.2	#N/A	#N/A	#N/A	No consumption on site consumption tabs		377	0.0
CW0000341634	TW44964		PLAYHUT, HP1	1HH		Monthly	3013358076		351	321.44	187	351	194	194	334	0.1	0.1
CW0000341634	TW50129		CIVIC CEN' HP1	1HH		Monthly	3013358262		351	295.24	0	351	0	0	307	0.0	0.0
CW0000341634	TW50528		55-60 BLO HP23	5DN		Monthly	3011861463		351	87.6	0	351	0	0	91	0.0	0.0
CW0000341634	TW52000		SPORTS P' HP2	7BA		Monthly	3013738472		341	1605.52	1644	341	1760	1760	1,719	0.6	1.2
CW0000341634	TW52035		CHANGINK HP2	SHU		Quarterly	3013416831		258	46.7	19	336	27	27	66	0.0	0.0
CW0000341634	TW53860		PAVLION HP23	6HA		Monthly	3012626050		309	94.94	8	309	9	9	112	0.0	0.1
CW0000341634	TW54311		VICTORIA HP23	6AA		Monthly	301091850X		309	253.87	76	309	90	90	300	0.0	0.0
CW0000341634	TW54856		CEMETERI HP4	3TP		Monthly	3013491523		330	306.85	253	330	280	280	339	0.1	0.2
CW0000341634	TW58598		PUBLIC CC HP3	8QG		Monthly	3013541725		351	1398.91	1398	351	1454	1454	1,455	0.5	1.0
CW0000341634	TW62551		COMMUN HP2	4DZ		Quarterly	301322651X		351	85.46	19	351	20	20	89	0.0	0.0
CW0000341634	TW64170		THE BURY, HP2	5HA		Monthly	301313996X		31	8.01	2	31	24	24	94	0.0	0.0
CW0000341634	TW66351		MANLAND HP2	7ES		Quarterly	3013738480		377	197.1	110	365	106	106	191	0.0	0.1
CW0000341634	TW67100		COMMUN HP3	9LZ		Quarterly	301370084X		316	355.65	229	316	265	265	411	0.1	0.2
CW0000341634	TW67659		OLD TOWI HP1	3AE		Monthly	3013324236		544	1775.78	1786	544	1198	1198	1,191	0.4	0.8
CW0000341634	TW74342		TRINGFOR HP23	4LH		Monthly	3012012974		351	155.05	38	351	40	0	161	0.0	0.0
CW0000341634	TW76460		161, CIVIC HP4	3HD		Monthly	3013457538		351	2053.41	2078	351	2161	2161	2,135	0.7	1.5
CW0000341634	TW76840		THE ADVEI HP3	8EA		Quarterly	3013013699		351	186.49	127	351	132	132	194	0.0	0.1
CW0000341634	TW77598		CHARTER I WD4	9HR		Quarterly	3013393068		290	91.76	38	290	48	48	115	0.0	0.0
CW0000341634	TW80212		MEMORIA HP23	5AG		Monthly	3011702136		316	274.24	466	309	538	0	317	0.2	0.0
CW0000341634	TW80555		VELVET LA HP4	2RP		Monthly	301301444X		330	988.72	958	330	1050	1050	1,094	0.4	0.8
CW0000341634	TW82385		CEMETERI HP2	7HY		Monthly	3013443898		309	188.38	135	309	159	159	223	0.1	0.1
CW0000341634	TW85903		1,4-1-14 E WD4	9DH		Monthly	3013480122		351	2204.01	2149	351	2235	2235	2,292	0.8	1.6
CW0000341634	TW86169		BOWLING WD4	9HU		Monthly	3013575034		330	580.88	539	330	596	596	642	0.2	0.4
CW0000341634	TW86311		CENTRAL I HP3	9BY		Monthly	3013488832		351	210.67	135	351	140	140	219	0.0	0.1
CW0000341634	TW87830		185 O-S51 HP2	6LQ		Monthly	3013738545		351	67.46	0	351	0	0	29	0.0	0.0
CW0000341634	TW90727		PUBLIC CC HP3	9RF		Monthly	3013037792		330	88.31	26	330	29	29	98	0.0	0.0
CW0000341634	TW91552		REDBOURI HP2	7BA		Monthly	3013642655		344	4549.53	0	2541.958226	1024	0	2697	4,827	1.9
CW0000341634	TW94832		CEMETERI HP23	4DH		Monthly	3011526834		351	622.64	228	351	237	237	647	0.1	0.2
CW0000341634	TW97160		PUBLIC CC HP23	4AB		Monthly	3010081820		351	2773.71	1156	351	1202	1202	2,884	0.4	0.9
CW0000341634	TW99999		SUMMER I HP2	5AR		Monthly	3013226579		341	267.52	210	341	225	225	286	0.1	0.2
CW0000341634	TW99999		E.P.FLATS, HP2	5PF		Monthly	3013720794		351	906.7	855	351	889	889	943	0.3	0.6
CW0000341634	TW99999		COMPASS HP4	3QY		Quarterly	3013757973		322	2275.68	1538	322	1743	1743	2,580	0.6	1.2
CW0000341634	TW99999		SHOP 2,17 HP3	9SQ		Monthly	3013793775		366	96.18	27	366	27	27	96	0.0	0.1
TOTALS													36111	38230	49,374	12.4	27.1

Diesel		2019				
Car Fuel Type	Car	CC	Year	Miles Travelled	Type	Kg CO2e
Diesel	2000	2000	2019	208	Medium	57.11
Diesel	2000	2000	2019	78	Medium	21.42
Diesel	2000	2000	2019	162	Medium	44.48
Diesel	2000	2000	2019	859	Medium	235.85
Diesel	2000	2000	2019	364	Medium	99.95
Diesel	2000	2000	2019	154	Medium	42.29
Diesel	2200	2000	2019	7,253	Large	2,445.20
Diesel	1600	2000	2019	199	Medium	54.64
Diesel	1700	2000	2019	754	Medium	207.04
Diesel	1995	2000	2019	515	Medium	141.41
Diesel	1900	2000	2019	951	Medium	261.14
Diesel	1800	2000	2019	60	Medium	16.48
Diesel	2200	2000	2019	60	Large	20.23
Diesel	2200	2000	2019	230	Large	77.54
Diesel	1968	2000	2019	689	Medium	189.06
Diesel	1600	2000	2019	4,661	Medium	1,279.86
Diesel	2950	2000	2019	2,250	Large	758.54
Diesel	1900	2000	2019	1,903	Medium	522.54
Diesel	1500	2000	2019	2,557	Medium	701.99
Diesel	1600	2000	2019	407	Medium	111.76
Diesel	2000	2000	2019	286	Medium	78.53
Diesel	2500	2000	2019	1,902	Large	641.22
Diesel	1600	2000	2019	2,718	Medium	746.34
Diesel	2993	2000	2019	1,950	Large	657.40
Diesel	2000	2000	2019	1,072	Medium	294.36
Diesel	1500	2000	2019	97	Medium	26.64
Diesel	1900	2000	2019	323	Medium	88.69
Diesel	1493	2000	2019	3,000	Medium	823.77
Diesel	1900	2000	2019	728	Medium	199.87
Diesel	2000	2000	2019	168	Medium	46.13
Diesel	2000	2000	2019	752	Medium	206.49
Diesel	2	2000	2019	729	Small	166.71
Diesel	2000	2000	2019	1,377	Medium	378.11
Diesel	1995	2000	2019	425	Medium	116.59
Diesel	2000	2000	2019	2,442	Medium	670.41
Diesel	2000	2000	2019	1,579	Medium	433.58
Diesel	1600	2000	2019	1,404	Medium	385.52
Diesel	1600	2000	2019	238	Medium	65.35
Diesel	1600	2000	2019	2,073	Medium	569.23
Diesel	1600	2000	2019	180	Medium	49.43
Diesel	2000	2000	2019	167	Medium	45.86
Diesel	1500	2000	2019	10	Medium	2.75
Diesel	2000	2000	2019	109	Medium	29.99
Diesel	2000	2000	2019	98	Medium	26.91
Diesel	1900	2000	2019	535	Medium	146.91
Diesel	1500	2000	2019	39	Medium	10.71
Diesel	1500	2000	2019	202	Medium	55.33
Diesel	2200	2000	2019	43	Large	14.50
Diesel	1400	2000	2019	986	Small	225.48
Diesel	2200	2000	2019	113	Large	38.13
Diesel	1600	2000	2019	209	Medium	57.39
Diesel	1500	2000	2019	132	Medium	36.25
Diesel	2000	2000	2019	129	Medium	35.42
Diesel	2191	2000	2019	1,352	Large	455.80
Diesel	2000	2000	2019	43	Medium	11.72
Diesel	2000	2000	2019	26	Medium	7.00
Diesel	1968	2000	2019	2,163	Medium	593.94
Diesel	1968	2000	2019	4,883	Medium	1,340.82
Diesel	1600	2000	2019	4,581	Medium	1,257.76
Diesel	2500	2000	2019	934	Large	314.88
Diesel	2000	2000	2019	539	Medium	148.00
Diesel	1800	2000	2019	7,066	Medium	1,940.25
Diesel	1598	2000	2019	165	Medium	45.42
Diesel	1461	2000	2019	268	Medium	73.59
Diesel	1600	2000	2019	550	Medium	151.02
Diesel	2000	2000	2019	4,603	Medium	1,263.94

Diesel Summary 2019					
Car Fuel Type	Car CC (Upper Limit)	Year	Miles Travelled	TonnesCO2e	
Diesel	Small	1400	2019	2,355	1
Diesel	Medium	2000	2019	75,343	21
Diesel	Large	9999	2019	22,919	8
				100,617	29.0

Petrol Summary 2019					
Car Fuel Type	Car CC (Upper Limit)	Year	Miles Travelled	TonnesCO2e	
Petrol	Small	1400	2019	73,592	18
Petrol	Medium	2000	2019	52,266	16
Petrol	Large	9999	2019	3,213	1
				129,071	36
Total				229,688	64.8

Diesel	1595	2019	180	Medium	49.43
Diesel	1400	2019	434	Small	99.25
Diesel	2200	2019	859	Large	289.59
Diesel	2231	2019	433	Large	145.98
Diesel	2143	2019	435	Large	146.65
Diesel	3000	2019	1,067	Large	359.79
Diesel	2000	2019	172	Medium	47.17
Diesel	1988	2019	315	Medium	86.50
Diesel	1988	2019	413	Medium	113.41
Diesel	1400	2019	64	Small	14.64
Diesel	1910	2019	185	Medium	50.80
Diesel	1500	2019	497	Medium	136.47
Diesel	1998	2019	160	Medium	43.93
Diesel	1461	2019	288	Medium	79.08
Diesel	2200	2019	791	Large	266.67
Diesel	1968	2019	4,138	Medium	1,136.31
Diesel	1800	2019	161	Medium	44.21
Diesel	1600	2019	380	Medium	104.34
Diesel	2000	2019	470	Medium	129.06
Diesel	973	2019	142	Small	32.47
Diesel	1499	2019	646	Medium	177.39
Diesel	1600	2019	1,742	Medium	478.34
Diesel	1600	2019	438	Medium	120.27
Diesel	1500	2019	230	Medium	63.16
Diesel	2179	2019	2,035	Large	686.06
Diesel	1500	2019	5,031	Medium	1,381.46
Diesel	2143	2019	1,212	Large	408.60
			100,617		28,953.68

Petrol		2019			
Petrol	1600	2019	164	Medium	50.75
Petrol	1200	2019	47	Small	11.53
Petrol	1400	2019	78	Small	19.17
Petrol	2000	2019	8	Medium	2.48
Petrol	1400	2019	46	Small	11.38
Petrol	998	2019	44	Small	10.88
Petrol	1399	2019	715	Small	176.86
Petrol	1200	2019	68	Small	16.82
Petrol	1400	2019	367	Small	90.78
Petrol	1400	2019	1,419	Small	351.00
Petrol	1998	2019	2,903	Medium	898.33
Petrol	1598	2019	1,558	Medium	482.12
Petrol	1600	2019	1,730	Medium	535.35
Petrol	1200	2019	30	Small	7.42
Petrol	1600	2019	542	Medium	167.72
Petrol	1400	2019	131	Small	32.40
Petrol	1149	2019	1,627	Small	402.45
Petrol	1497	2019	169	Medium	52.17
Petrol	1198	2019	153	Small	37.80
Petrol	998	2019	400	Small	98.82
Petrol	1800	2019	629	Medium	194.64
Petrol	1800	2019	750	Medium	232.09
Petrol	1600	2019	1,719	Medium	531.94
Petrol	1348	2019	906	Small	224.01
Petrol	2000	2019	1,019	Medium	315.33
Petrol	1600	2019	962	Medium	297.69
Petrol	1388	2019	771	Small	190.71
Petrol	1987	2019	961	Medium	297.38
Petrol	1600	2019	2,724	Medium	842.94
Petrol	1400	2019	1,548	Small	382.91
Petrol	1500	2019	1,578	Medium	488.31
Petrol	1600	2019	4,384	Medium	1,356.63
Petrol	1600	2019	613	Medium	189.69
Petrol	1800	2019	2,120	Medium	656.16
Petrol	1400	2019	1,309	Small	323.79
Petrol	1400	2019	706	Small	174.64
Petrol	998	2019	1,605	Small	397.01
Petrol	998	2019	71	Small	17.56
Petrol	2000	2019	726	Medium	224.66
Petrol	1400	2019	285	Small	70.50
Petrol	1600	2019	631	Medium	195.26
Petrol	1600	2019	55	Medium	17.02
Petrol	1200	2019	20	Small	4.95
Petrol	1400	2019	105	Small	25.97
Petrol	1400	2019	27	Small	6.68
Petrol	1242	2019	180	Small	44.52
Petrol	1600	2019	1,277	Medium	395.17
Petrol	1400	2019	3,330	Small	823.59
Petrol	2000	2019	892	Medium	276.03
Petrol	1364	2019	1,924	Small	475.92
Petrol	1200	2019	1,854	Small	458.61
Petrol	1388	2019	341	Small	84.35
Petrol	1400	2019	34	Small	8.41
Petrol	1242	2019	411	Small	101.66
Petrol	1600	2019	1,185	Medium	366.70
Petrol	1400	2019	4,816	Small	1,191.29
Petrol	1400	2019	5,943	Small	1,470.06
Petrol	1380	2019	1,016	Small	251.32
Petrol	2000	2019	129	Medium	39.92
Petrol	1000	2019	100	Small	24.74
Petrol	1600	2019	2,778	Medium	859.65
Petrol	1600	2019	94	Medium	29.09
Petrol	1400	2019	328	Small	81.13
Petrol	1400	2019	24	Small	5.91
Petrol	1600	2019	62	Medium	19.31
Petrol	1199	2019	445	Small	109.98
Petrol	1200	2019	153	Small	37.85

Petrol	998	2019	634	Small	156.75
Petrol	1598	2019	108	Medium	33.42
Petrol	1200	2019	1,970	Small	487.18
Petrol	1200	2019	2,384	Small	589.71
Petrol	2438	2019	55	Large	25.04
Petrol	1600	2019	227	Medium	70.25
Petrol	1200	2019	342	Small	84.60
Petrol	1400	2019	712	Small	176.12
Petrol	1368	2019	799	Small	197.64
Petrol	1200	2019	868	Small	214.71
Petrol	1242	2019	558	Small	137.90
Petrol	2600	2019	2,009	Large	914.82
Petrol	2000	2019	207	Medium	64.06
Petrol	1988	2019	767	Medium	237.35
Petrol	2000	2019	265	Medium	82.00
Petrol	1198	2019	676	Small	167.22
Petrol	2000	2019	470	Medium	145.35
Petrol	1800	2019	270	Medium	83.55
Petrol	1400	2019	76	Small	18.85
Petrol	900	2019	1,214	Small	300.30
Petrol	1000	2019	486	Small	120.22
Petrol	1000	2019	171	Small	42.30
Petrol	1400	2019	677	Small	167.46
Petrol	2500	2019	8	Large	3.64
Petrol	1200	2019	10	Small	2.47
Petrol	1600	2019	67	Medium	20.73
Petrol	1800	2019	332	Medium	102.74
Petrol	1600	2019	699	Medium	216.31
Petrol	1600	2019	662	Medium	204.86
Petrol	1600	2019	705	Medium	218.01
Petrol	1000	2019	434	Small	107.35
Petrol	1242	2019	44	Small	10.88
Petrol	1400	2019	63	Small	15.58
Petrol	1200	2019	724	Small	179.09
Petrol	1198	2019	17	Small	4.21
Petrol	1400	2019	76	Small	18.80
Petrol	1242	2019	260	Small	64.31
Petrol	1200	2019	2,230	Small	551.61
Petrol	1600	2019	3,483	Medium	1,077.81
Petrol	1000	2019	5,293	Small	1,309.28
Petrol	1400	2019	441	Small	109.09
Petrol	1248	2019	376	Small	93.01
Petrol	1200	2019	824	Small	203.82
Petrol	2199	2019	153	Large	69.58
Petrol	1396	2019	202	Small	49.97
Petrol	1297	2019	509	Small	125.91
Petrol	1399	2019	20	Small	4.95
Petrol	1400	2019	1,485	Small	367.33
Petrol	1600	2019	192	Medium	59.41
Petrol	1200	2019	234	Small	57.88
Petrol	1600	2019	762	Medium	235.80
Petrol	1400	2019	285	Small	70.37
Petrol	1000	2019	79	Small	19.54
Petrol	1200	2019	1,844	Small	456.13
Petrol	1198	2019	461	Small	114.03
Petrol	1100	2019	467	Small	115.52
Petrol	1000	2019	84	Small	20.78
Petrol	2000	2019	124	Medium	38.22
Petrol	2000	2019	1,316	Medium	407.24
Petrol	1200	2019	112	Small	27.70
Petrol	2000	2019	116	Medium	35.74
Petrol	2000	2019	228	Medium	70.55
Petrol	2000	2019	479	Medium	148.23
Petrol	1200	2019	704	Small	174.14
Petrol	1400	2019	197	Small	48.73
Petrol	1000	2019	38	Small	9.40
Petrol	1200	2019	229	Small	56.65
Petrol	1200	2019	18	Small	4.45
Petrol	3000	2019	988	Large	450.08
Petrol	1500	2019	393	Medium	121.61
Petrol	999	2019	1,267	Small	313.41

Petrol	1229	2019	720	Small	178.10
Petrol	1200	2019	279	Small	69.01
Petrol	1598	2019	1,001	Medium	309.76
Petrol	1390	2019	25	Small	6.18
Petrol	1390	2019	343	Small	84.84
Petrol	1394	2019	1,920	Small	474.93
Petrol	1500	2019	117	Medium	36.21
Petrol	1500	2019	768	Medium	237.66
Petrol	1242	2019	3,072	Small	759.89
Petrol	1400	2019	952	Small	235.49
Petrol	1400	2019	368	Small	91.03
Petrol	1000	2019	1,655	Small	409.38
Petrol	1800	2019	3,642	Medium	1,127.02
Petrol	1995	2019	2,459	Medium	760.94
Petrol	1600	2019	46	Medium	14.23
Petrol	1400	2019	292	Small	72.23
			129,071		35,840.57
			<u>229,688</u>		<u>64,794.25</u>

Site Name	Fuel and Unit	MPAN/MPR	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total	TonnesCO2e
Hemel Hempstead Leisure Centre	Electricity, kWh	1023480671942	117,588	55,110	46,901	74,303	79,261	58,124	54,390	65,751	92,709	49,394	51,932	71,725	817,186	209
Hemel Hempstead Leisure Centre	Natural Gas, kWh	17849206	419,927	458,519	490,141	485,993	348,800	200,444	250,189	256,236	425,974	235,034	325,646	65	3,896,969	716
Berkhamsted Leisure Centre	Electricity, kWh	1014572367836	51,758	49,230	53,494	51,744	52,586	53,369	58,371	57,800	53,608	53,504	50,383	54,003	639,851	164
Berkhamsted Leisure Centre	Natural Gas, kWh	17453405	146,066	125,437	124,959	101,868	137,520	106,256	86,835	86,900	88,120	163,101	200,339	193,684	1,521,089	280
Jarman Park Athletics Track	Electricity, kWh	1014570599138	3,984	4,435	4,795	3,657	2,740	2,835	2,557	2,504	3,376	4,082	3,612	2,967	41,543	11
Jarman Park Athletics Track	Electricity, kWh	MSID447519	29	29	29	29	13	45	29	29	29	29	29	29	344	0
Jarman Park Athletics Track	Natural Gas, kWh	9297401803	582	582	582	1,177	622	198	139	622	498	773	602	609	6,986	1
1,381																

BEIS Data

Fuel	Dacorum 2017 LA Emissions (TCO ₂)	Council Owned Housing Apportioned Emissions (TCO ₂)	Council Owned Housing Emissions Adjusted (TCO ₂)
Gas	159,105	24,520	23,069
Electricity	65,749	10,132	9,532
Total	224,848	34,652	32,602

National EPC average	=	62	=	5.9% Of DBC housing stock above average EPC emissions
DBC EPC average		65.9		94.1% Adjustment factor
Total no. of DBC dwellings		10,127		
Total number of Dacorum dwellings		65,711		
Percent		15.4%		

Class Description	Vehicle type	Fuel type	Journey distance (miles)	2019 Tonnes of CO2 for existing vehicle	2019 Cost of Fuel	Cost to purchase Electric Vehicle	Tonnes of CO2 if all vehicles are EV (2019)	Tonnes of CO2 if all vehicles are EV (2020)
REFUSE VEHICLES	MERCEDES ECONIC	D	108,142	43.88	11,059	375,000	15.78	6.65
DENNIS 6X2 MID STEER	DENNIS	D	55,077	22.35	5,633	57,000	8.03	3.39
DENNIS 4X2 15 18TON	DENNIS EAGLE	DN	44,086	17.89	4,508	57,000	6.43	2.71
DENNIS ELITE 6X4	ELITE 2 6X4	D	29,101	11.81	2,976	57,000	4.25	1.79
DENNIS 4X2 15 18TON	ELITE 6	D	24,296	9.86	2,485	57,000	3.54	1.49
DENN 6X2 LIFT AXLE	N2630VRC5 ELITE2	D	23,177	9.40	2,370	57,000	3.38	1.42
DEN 6X2 PHOENIX XM15	ELITE6 22OLT	D	23,126	9.38	2,365	57,000	3.37	1.42
DENNIS ELITE 6X4	ELITE 6 TP22	D	22,286	9.04	2,279	57,000	3.25	1.37
REFUSE VEHICLES	DAF LF NTM 16T	D	19,991	8.11	2,044	375,000	2.92	1.23
DENN 6X2 PHOENIX 18	ELITE 6 6X2 MID STR	D	18,657	7.57	1,908	57,000	2.72	1.15
REFUSE VEHICLES	DAF 15T	D	17,917	7.27	1,832	375,000	2.61	1.10
DENN 6X2 LIFT AXLE	ELITE2/OLYPUS	D	17,061	6.92	1,745	57,000	2.49	1.05
DENNIS 6X2 MID STEER	ELITE TWINPACK	D	16,969	6.89	1,735	57,000	2.48	1.04
REFUSE VEHICLES	MERCEDES ECONIC	D	16,894	6.86	1,728	375,000	2.46	1.04
REFUSE VEHICLES	MITSUBISHI CANTER	D	16,313	6.62	1,668	375,000	2.38	1.00
DAF 7.5 TON TIP/CAGE	LF45.140	D	15,839	6.43	1,620	57,000	2.31	0.97
DENNIS 6X2 MID STEER	ELITE 6	D	15,528	6.30	1,588	57,000	2.27	0.95
DENNIS 6X2 MID STEER	ELITE 6 MID STEER	D	15,366	6.23	1,571	57,000	2.24	0.94
REFUSE VEHICLES	MERCEDES ECONIC	D	14,913	6.05	1,525	375,000	2.18	0.92
DAF 7.5 TON TIP/CAGE	LF45 140 08TIP	D	13,804	5.60	1,412	57,000	2.01	0.85
DENNIS ELITE 6X4	ELITE 6 6X2 MID STR	D	13,627	5.53	1,394	57,000	1.99	0.84
DENNIS ELITE 6X4	ELITE 6/OLIPUS TWIN	D	13,450	5.46	1,375	57,000	1.96	0.83
DENN 6X2 LIFT AXLE	ELITE2/OLYMPUS/TRADE	D	13,407	5.44	1,371	57,000	1.96	0.82
DENNIS PHOENIX	ELITE6 MIDSTEER	D	13,370	5.42	1,367	57,000	1.95	0.82
REFUSE VEHICLES	MERCEDES ECONIC	D	13,257	5.38	1,356	375,000	1.93	0.81
REFUSE VEHICLES	MERCEDES ECONIC	D	13,153	5.34	1,345	375,000	1.92	0.81
DENNIS 6X2 MID STEER	ELITE 6 TWINPACK	D	12,813	5.20	1,310	57,000	1.87	0.79
REFUSE VEHICLES	MERCEDES ECONIC	D	12,801	5.19	1,309	375,000	1.87	0.79
REFUSE VEHICLES	MERCEDES ECONIC	D	12,775	5.18	1,306	375,000	1.86	0.79
DENN 6X2 PHOENIX 18	ELITE6	D	12,078	4.90	1,235	57,000	1.76	0.74
DENNIS ELITE2 6X4	ELITE2.W2626URAZ	D	10,652	4.32	1,089	57,000	1.55	0.65
DENNIS 6X2 MID STEER	ELITE 6	D	10,645	4.32	1,089	57,000	1.55	0.65
DEN 6X2 PHOENIX XM15	ELITE6	D	10,474	4.25	1,071	57,000	1.53	0.64
DENN 6X2 LIFT AXLE	ELITE 2	D	10,411	4.22	1,065	57,000	1.52	0.64
REFUSE VEHICLES	MERCEDES ECONIC	D	8,213	3.33	840	375,000	1.20	0.50
DENN 6X2 LIFT AXLE	N2630VRC5 ELITE2	D	7,911	3.21	809	57,000	1.15	0.49
SCARAB SWEEPER 13TON	DAF LF55	D	7,909	3.21	809	57,000	1.15	0.49
REFUSE VEHICLES	MERCEDES ECONIC	D	7,900	3.21	808	375,000	1.15	0.49
DENN 6X2 LIFT AXLE	ELITE2	D	7,738	3.14	791	57,000	1.13	0.48
DENN 6X2 LIFT AXLE	OLYMPUS 19N	D	7,196	2.92	736	57,000	1.05	0.44
SCARAB SWEEPER 13TON	SCARAB MAGNUM	D	6,202	2.52	634	57,000	0.90	0.38
SCHMIDT SWINGO	SCHMIDT SWINGO	D	3,342	1.36	342	57,000	0.49	0.21
SCHMIDT SWINGO	SCHMIDT SWINGO	D	3,342	1.36	342	57,000	0.49	0.21
SCHMIDT SWINGO	SCHMIDT SWINGO	D	2,454	1.00	251	57,000	0.36	0.15
REFUSE VEHICLES	MERCEDES ECONIC	D	1,724	0.70	176	375,000	0.25	0.11
REFUSE VEHICLES	MERCEDES ECONIC	D	1,724	0.70	176	375,000	0.25	0.11
DENNIS 4X2 15 18TON	DENNIS EAGLE ELITE 2	D	1,064	0.43	109	57,000	0.16	0.07
26T DEN. REAR STEER	DENNIS EAGLE ELITE 2	D	905	0.37	93	57,000	0.13	0.06
REFUSE VEHICLES	MERCEDES ECONIC	D	803	0.33	82	375,000	0.12	0.05
SCHMIDT SWINGO	SCHMIDT SWINGO	D	571	0.23	58	57,000	0.08	0.04
SCHMIDT SWINGO	SCHMIDT SWINGO	D	551	0.22	56	57,000	0.08	0.03
REFUSE VEHICLES	MERCEDES ECONIC	D	-	0.00	-	375,000	-	-
			771,002	312.84	78847.03	8,052,000	112.48	47.40

Light Vehicles

Class Description	Vehicle type	Fuel type	Journey distance (miles)	2019 Tonnes of CO2 for existing vehicle	2019 Cost of Fuel	Cost to purchase Electric Vehicle	Tonnes of CO2 if all vehicles are EV (2019)	Tonnes of CO2 if all vehicles are EV (2020)
Light (Panel Van)	FORD TRANSIT	D	55,885	13.45	5,715	20,000	7.04	2.97
Pickup	ACENTA KING CAB 4X4	D	15,758	3.79	1,611	20,000	1.98	0.84
Car Derived Van	VAUX COMBOL2HI 2300	D	13,186	3.17	1,348	20,000	1.66	0.70
Light (Panel Van)	VAUXHALL VIVARO	D	12,539	3.02	1,282	20,000	1.58	0.67
Car Derived Van	L2HI 2300 1.3 CDTI90	D	12,429	2.99	1,271	20,000	1.57	0.66
Light Tipper	350MWB TRANSIT	D	11,019	2.65	1,127	20,000	1.39	0.58
Light Tipper	TRANSIT 125 T350 RWD	D	10,312	2.48	1,055	20,000	1.30	0.55
Light (Panel Van)	PEUEGOT EXPERT	D	10,238	2.46	1,047	20,000	1.29	0.54
Light Tipper	IVECO DAILY35C	D	10,219	2.46	1,045	20,000	1.29	0.54
Car Derived Van	CITREON L10	D	9,669	2.33	989	20,000	1.22	0.51
Light (Panel Van)	MOVANO	D	9,338	2.25	955	20,000	1.18	0.50
Light Tipper	350 LWB D/CAB	D	8,992	2.16	920	20,000	1.13	0.48
Light Tipper	TRANSIT 350 LWB CREW	D	8,801	2.12	900	20,000	1.11	0.47
Light Tipper	DAILY35C13	D	8,590	2.07	878	20,000	1.08	0.46
Car Derived Van	RENAULT ML19 KANGOO	D	8,407	2.02	860	20,000	1.06	0.45
Car Derived Van	VAUXHALL COMBO	D	8,405	2.02	860	20,000	1.06	0.45
Light Tipper	DAILY 35C13	D	8,349	2.01	854	20,000	1.05	0.44
Light Tipper	FORD TRANS 100 T350	D	8,053	1.94	824	20,000	1.01	0.43
Light Tipper	VAUXHALL MONAVO	D	7,724	1.86	790	20,000	0.97	0.41
Light Tipper	TRANSIT 350L TIPPER	D	7,243	1.74	741	20,000	0.91	0.38
Light (Panel Van)	VAUXHALL VIVARO	D	6,887	1.66	704	20,000	0.87	0.37
Light Tipper	FORD TRANSIT 350 LWB	D	6,786	1.63	694	20,000	0.85	0.36
Car Derived Van	CITROEN BERLINGO	D	6,783	1.63	694	20,000	0.85	0.36
Light Tipper	IVECO DAILY 35C13	D	6,355	1.53	650	20,000	0.80	0.34
Light Tipper	TRANSIT CONNECT T230	D	6,067	1.46	620	20,000	0.76	0.32
Car Derived Van	1.3CDTI 16V COMBO	D	6,061	1.46	620	20,000	0.76	0.32
Light Tipper	TRANSIT 350L	D	5,996	1.44	613	20,000	0.76	0.32
Light (Panel Van)	PEUGEOT EXPERT	D	5,658	1.36	579	20,000	0.71	0.30
Light Tipper	FORD TRANSIT 350	D	5,655	1.36	578	20,000	0.71	0.30
Car Derived Van	VAUXHALL COMBO	D	5,314	1.28	543	20,000	0.67	0.28
Light Tipper	IVECO DAILY35C13	D	5,257	1.27	538	20,000	0.66	0.28
Pickup	ISUZU D-MAX 4 X 4	D	5,072	1.22	519	20,000	0.64	0.27
Car Derived Van	CITROEN BERLINGO	D	4,952	1.19	506	20,000	0.62	0.26
Light (Panel Van)	PEUGOT BOXER	D	4,660	1.12	477	20,000	0.59	0.25
Light (Panel Van)	VAUXHALL VIVARO	D	4,422	1.06	452	20,000	0.56	0.23
Car Derived Van	VAUXHALL ASTRA 1.7D	D	4,149	1.00	424	20,000	0.52	0.22
Light Tipper	IVECO DAILY 35C13	D	4,037	0.97	413	20,000	0.51	0.21
Light (Panel Van)	TRAN 100 T350L RWD	D	3,699	0.89	378	20,000	0.47	0.20
Light Tipper	VAUXHALL MOVANO	D	2,920	0.70	299	20,000	0.37	0.15
Light Tipper	MOVANO TIPPER	D	2,563	0.62	262	20,000	0.32	0.14
Light (Panel Van)	VAUXHALL MOVANO	D	2,293	0.55	235	20,000	0.29	0.12
Light (Panel Van)	MOVANO 3.0CDTI	D	1,452	0.35	148	20,000	0.18	0.08
Light (Panel Van)	VAUXHALL MOVANO	D	1,329	0.32	136	20,000	0.17	0.07
Light (Panel Van)	VAUXHALL MOVANO	D	-	0.00	-	20,000	-	-
Car Derived Van	VAUXHALL COMBO	D	-	0.00	-	20,000	-	-
Car Derived Van	VAUXHALL COMBO	D	-	0.00	-	20,000	-	-
			353,522	85	36,153	920,000	45	19
Total			1,124,523	398	115,000	8,972,000	157	66

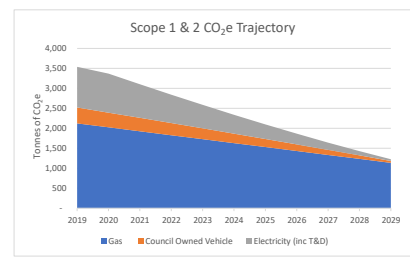
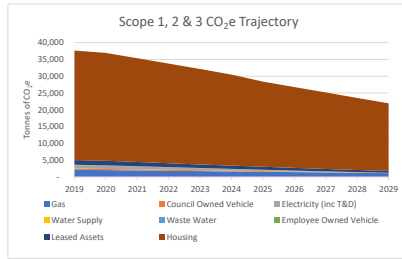
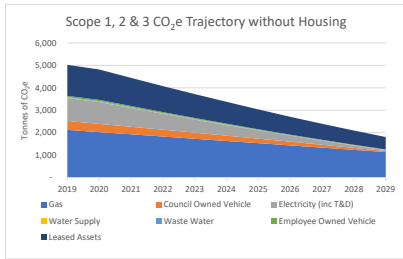
✓	DBC - 20-22 LITTLE ROAD	327	0.08	£38.30	65	-	-	65	262	£9	-	-	£9	£46	-	-	£46	0.03
✓	DBC - 127-129 HOBBS HILL ROAD	321	0.08	£41.38	64	-	-	64	257	£9	-	-	£9	£45	-	-	£45	0.03
✓	DBC - 196-198 GARDNER ROAD	319	0.08	£39.61	63	-	-	63	256	£9	-	-	£9	£45	-	-	£45	0.03
✓	DBC - 12-38 GADSBIDGE ROAD	318	0.08	£29.41	63	-	-	63	255	£9	-	-	£9	£44	-	-	£44	0.03
✓	DBC - 84-86 AYCOFFE DRIVE	318	0.08	£31.29	63	-	-	63	255	£9	-	-	£9	£44	-	-	£44	0.03
✓	DBC - 10-15 CLOVER WAY	317	0.08	£34.81	63	-	-	63	254	£9	-	-	£9	£44	-	-	£44	0.03
✓	DBC - 1-6 LINDRACHS CLOSE	314	0.08	£38.08	62	-	-	62	252	£9	-	-	£9	£44	-	-	£44	0.03
✓	DBC - 153-161 LONGLANDS	312	0.08	£34.90	62	-	-	62	250	£9	-	-	£9	£44	-	-	£44	0.03
✓	DBC - 150-156 STEVENAGE RISE	308	0.08	£36.62	61	-	-	61	247	£9	-	-	£9	£43	-	-	£43	0.03
✓	DBC - 12 WAVENEY - M2	307	0.08	£39.75	61	-	-	61	246	£9	-	-	£9	£43	-	-	£43	0.03
✓	DBC - 12 BIREY WAY	307	0.08	£38.91	61	-	-	61	246	£9	-	-	£9	£43	-	-	£43	0.03
✓	DBC - 30-23 SUMMER COURT	306	0.08	£30.00	60	-	-	60	244	£9	-	-	£9	£43	-	-	£43	0.03
✓	DBC - BLOCK 8	304	0.08	£38.68	60	-	-	60	244	£8	-	-	£8	£42	-	-	£42	0.03
✓	DBC - 17 DATCHWORTH TURN	303	0.08	£29.82	60	-	-	60	243	£8	-	-	£8	£42	-	-	£42	0.03
✓	DBC - 175-181 GARDNER ROAD	303	0.08	£38.72	60	-	-	60	243	£8	-	-	£8	£42	-	-	£42	0.03
✓	DBC - 9-15 CRAWLEY DRIVE	303	0.08	£30.85	60	-	-	60	241	£8	-	-	£8	£42	-	-	£42	0.03
✓	DBC - 19-22 RUNCORN CRESCENT	299	0.08	£30.20	59	-	-	59	240	£8	-	-	£8	£42	-	-	£42	0.03
✓	DBC - 116-122 FLETCHER WAY	294	0.08	£38.14	58	-	-	58	236	£8	-	-	£8	£41	-	-	£41	0.03
✓	DBC - 14-24 WOODLANE ROAD	294	0.08	£31.20	58	-	-	58	236	£8	-	-	£8	£41	-	-	£41	0.03
✓	DBC - 335-335 ST ALBANS ROAD	290	0.07	£29.00	57	-	-	57	233	£8	-	-	£8	£40	-	-	£40	0.03
✓	DBC - 35-37A LAWN LANE	288	0.07	£30.33	57	-	-	57	231	£8	-	-	£8	£40	-	-	£40	0.03
✓	DBC - 1-25 TOWNSEND	286	0.07	£26.83	57	-	-	57	229	£8	-	-	£8	£40	-	-	£40	0.03
✓	DBC - BLOCK F	283	0.07	£36.00	56	-	-	56	227	£8	-	-	£8	£40	-	-	£40	0.03
✓	DBC - ALEXANDRA ROAD	278	0.07	£28.78	55	-	-	55	223	£8	-	-	£8	£39	-	-	£39	0.03
✓	DBC - 30-45 STEVENAGE RISE	276	0.07	£27.98	55	-	-	55	221	£8	-	-	£8	£39	-	-	£39	0.03
✓	DBC - PLOT 8	272	0.07	£34.64	54	-	-	54	218	£8	-	-	£8	£38	-	-	£38	0.03
✓	DBC - 41-43 DRIFTWAY	271	0.07	£32.14	54	-	-	54	217	£8	-	-	£8	£38	-	-	£38	0.03
✓	DBC - 30-44 WAVENEY	267	0.07	£24.06	53	-	-	53	214	£7	-	-	£7	£37	-	-	£37	0.03
✓	DBC - 22 WAVENEY	263	0.07	£33.57	52	-	-	52	211	£7	-	-	£7	£37	-	-	£37	0.03
✓	DBC - 1-7 MEDWAY ROAD - M1	262	0.07	£24.67	52	-	-	52	210	£7	-	-	£7	£37	-	-	£37	0.03
✓	DBC - 37-40 HAYFIELD CRESCENT	261	0.07	£25.12	52	-	-	52	209	£7	-	-	£7	£36	-	-	£36	0.03
✓	DBC - 2-8 5/4 ACRES	261	0.07	£33.54	52	-	-	52	209	£7	-	-	£7	£36	-	-	£36	0.03
✓	DBC - 30-33 SUMMER COURT	259	0.07	£33.46	51	-	-	51	208	£7	-	-	£7	£36	-	-	£36	0.03
✓	DBC - 40-58 VALLEYSIDE	257	0.07	£26.40	51	-	-	51	206	£7	-	-	£7	£36	-	-	£36	0.03
✓	DBC - GADSBIDGE PARK	251	0.06	£31.25	50	-	-	50	201	£7	-	-	£7	£35	-	-	£35	0.03
✓	DBC - 44-46 COLES HILL	246	0.06	£24.84	49	-	-	49	197	£7	-	-	£7	£34	-	-	£34	0.03
✓	DBC - 393-398 GALLEY HILL	245	0.06	£24.16	49	-	-	49	196	£7	-	-	£7	£34	-	-	£34	0.03
✓	DBC - 1-15 DATCHWORTH TURN	239	0.06	£26.11	47	-	-	47	192	£7	-	-	£7	£33	-	-	£33	0.03
✓	DBC - 130-136 BOXTED ROAD	238	0.06	£22.65	47	-	-	47	191	£7	-	-	£7	£33	-	-	£33	0.02
✓	DBC - 13-30 WAVENEY	237	0.06	£30.22	47	-	-	47	190	£7	-	-	£7	£33	-	-	£33	0.02
✓	DBC - 39 WITCHAM	235	0.06	£22.80	47	-	-	47	189	£7	-	-	£7	£33	-	-	£33	0.02
✓	DBC - 45-51 HILLDOWN ROAD	231	0.06	£22.01	46	-	-	46	185	£6	-	-	£6	£32	-	-	£32	0.02
✓	DBC - 7-12 SUMMER COURT	230	0.06	£30.32	46	-	-	46	184	£6	-	-	£6	£32	-	-	£32	0.02
✓	DBC - 15-15 EAST GREEN	229	0.06	£25.30	45	-	-	45	184	£6	-	-	£6	£32	-	-	£32	0.02
✓	DBC - 7 STRATFORD WAY	225	0.06	£29.33	45	-	-	45	180	£6	-	-	£6	£31	-	-	£31	0.02
✓	DBC - 12 GRAVELY COURT	225	0.06	£25.86	45	-	-	45	180	£6	-	-	£6	£31	-	-	£31	0.02
✓	DBC - 14-15 MARTINEAU AVENUE	224	0.06	£24.42	44	-	-	44	178	£6	-	-	£6	£31	-	-	£31	0.02
✓	DBC - 46-52 WAVENEY	223	0.06	£28.46	44	-	-	44	179	£6	-	-	£6	£31	-	-	£31	0.02
✓	DBC - 131-132 ST ALBANS HILL	219	0.06	£24.26	43	-	-	43	176	£6	-	-	£6	£31	-	-	£31	0.02
✓	DBC - 54-60 WAVENEY	215	0.05	£27.44	43	-	-	43	172	£6	-	-	£6	£30	-	-	£30	0.02
✓	DBC - 1-8 COMARONS LANE	214	0.05	£20.43	42	-	-	42	172	£6	-	-	£6	£30	-	-	£30	0.02
✓	DBC - 58-72 OLD HOUSE ROAD	213	0.05	£27.28	42	-	-	42	171	£6	-	-	£6	£30	-	-	£30	0.02
✓	DBC - 45-61 MARLINS TURN	212	0.05	£23.73	42	-	-	42	170	£6	-	-	£6	£30	-	-	£30	0.02
✓	DBC - 34-44 BURGESS ROAD	210	0.05	£20.23	42	-	-	42	168	£6	-	-	£6	£29	-	-	£29	0.02
✓	DBC - 85-95 STONELEA ROAD	206	0.05	£26.97	41	-	-	41	165	£6	-	-	£6	£29	-	-	£29	0.02
✓	DBC - 25-25 ST MARGARETS WAY	202	0.05	£25.77	40	-	-	40	162	£6	-	-	£6	£28	-	-	£28	0.02
✓	DBC - 120-126 FENNYCHOFF ROAD	198	0.05	£17.61	37	-	-	37	155	£5	-	-	£5	£26	-	-	£26	0.02
✓	DBC - 1-11 LYNE WAY	185	0.05	£22.44	37	-	-	37	148	£5	-	-	£5	£26	-	-	£26	0.02
✓	DBC - 40-48 FLOODING LANE	177	0.05	£19.38	35	-	-	35	142	£5	-	-	£5	£25	-	-	£25	0.02
✓	DBC - 13-14 BUTTS RISE	177	0.05	£20.45	35	-	-	35	142	£5	-	-	£5	£25	-	-	£25	0.02
✓	DBC - CHAPEL 1	173	0.04	£22.47	34	-	-	34	139	£5	-	-	£5	£24	-	-	£24	0.02
✓	DBC - 40-49 MALVERN WAY	173	0.04	£22.08	34	-	-	34	139	£5	-	-	£5	£24	-	-	£24	0.02
✓	DBC - 15-16 HERBERT STREET	169	0.04	£21.08	33	-	-	33	136	£5	-	-	£5	£24	-	-	£24	0.02
✓	DBC - BLOCK C VICTORIA ROAD	167	0.04	£21.47	33	-	-	33	134	£5	-	-	£5	£23	-	-	£23	0.02
✓	DBC - 105-111 LEYS ROAD	166	0.04	£20.22	33	-	-	33	133	£5	-	-	£5	£23	-	-	£23	0.02
✓	DBC - 1-15 VARNET ROAD	165	0.04	£16.74	33	-	-	33	132	£5	-	-	£5	£23	-	-	£23	0.02
✓	DBC - 8-11 EASTWICK ROW	153	0.04	£16.03	30	-	-	30	123	£4	-	-	£4	£21	-	-	£21	0.02
✓	DBC - 89-95 LEYS ROAD	153	0.04	£18.17	30	-	-	30	123	£4	-	-	£4	£21	-	-	£21	0.02
✓	DBC - 15-18 SPRINGFIELD ROAD	148	0.04	£14.49	29	-	-	29	119	£4	-	-	£4	£21	-	-	£21	0.02
✓	DBC - 4-7 THE FLAGS	146	0.04	£13.78	29	-	-	29	117	£4	-	-	£4	£20	-	-	£20	0.01
✓	DBC - 81-87 LEYS ROAD	146	0.04	£13.85	29	-	-	29	117	£4	-	-	£4	£20	-	-	£20	0.01
✓	DBC - LANDSCAPE SUB-SPOT	145	0.04	£18.28	29	-	-	29	116	£4	-	-	£4	£20	-	-	£20	0.01
✓	DBC - 101-107 MARLINS TURN	141	0.04	£13.60	28	-	-	28	113	£4	-	-	£4	£20	-	-	£20	0.01
✓	DBC - 13 CRAWLEY DRIVE	138	0.04	£15.83	27	-	-	27	111	£4	-	-	£4	£19	-	-	£19	0.01
✓	DBC - 10-18 WALL	136	0.03	£15.88	27	-	-	27	109	£4	-	-	£4	£19	-	-	£19	0.01
✓	DBC - 1 AYCOFFE DRIVE	132	0.03	£14.51	26	-	-	26	106	£4	-	-	£4	£18	-	-	£18	0.01
✓	DBC - 20 SOLWAY	125	0.03	£15.72	25	-	-	25	100	£3	-	-	£3	£17	-	-	£17	0.01
✓	DBC - 17 CHANGVON ROAD	125	0.03	£14.12	25	-	-	25	100	£3	-	-	£3	£17	-	-	£17	0.01
✓	DBC - 76-82 GREAT STURGESSE	112	0.03	£13.34	22	-	-	22	90	£3	-	-	£3	£16	-	-	£16	0.01
✓	DBC - 15 PONDERS HILL	112	0.03	£12.70	22	-	-	22	88	£3	-	-	£3	£16	-	-	£16	0.01
✓	DBC - 35-41 MALVERN WAY	110	0.03	£13.99	22	-	-	22	88	£3	-	-	£3	£15	-	-	£15	0.01
✓	DBC - 1-4 SLEETS END	109	0.03	£11.85	22	-	-	22	87	£3	-	-	£3	£15	-	-	£15	0.01
✓	DBC - 285-291 LONG CHALDEN	108	0.03	£10.29	21	-	-	21	87	£3	-	-	£3	£15	-	-	£15	0.01
✓	DBC - 15 ST AGNELLS LANE	102	0.03	£11.31	20	-	-	20	82	£3	-	-	£3	£14	-	-	£14	0.01
✓	DBC - 25 WASHINGTON AVENUE	98	0.03	£9.17	19	-	-	1										

Site Name	Fuel and Unit	MPAN/MPR	Total kWh	Annual kWh Saving After Intervention	Average Annual Cost Saving Between 2020-2025	Capital Cost of Intervention	2019 TonnesCO2e	Tonnes of CO2 After Intervention (2030)
Hemel Hempstead Leisure Centre	Electricity, kWh	1023480671942	817,186	243,930	34,394	171,971	209	72.96
Hemel Hempstead Leisure Centre	Natural Gas, kWh	17849206	3,896,969	1,909,515	60,341	346,959	716	365.39
Berkhamsted Leisure Centre	Electricity, kWh	1014572367836	639,851	190,996	26,930	134,652	164	57.13
Berkhamsted Leisure Centre	Natural Gas, kWh	17453405	1,521,089	745,333	23,553	135,427	280	142.62
Jarman Park Athletics Track	Electricity, kWh	1014570599138	41,543	12,401	1,748	8,742	11	3.71
Jarman Park Athletics Track	Electricity, kWh	MSIDA47519	344	103	14	72	0	0.03
Jarman Park Athletics Track	Natural Gas, kWh	9297401803	6,986	3,423	108	622	1	0.66

DBC Housing Emissions Summary by end use, 2020 - 2050 (tCO₂e)

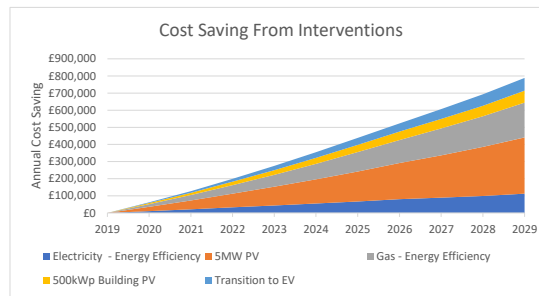
Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
DBC Housing Emissions Summary, 2020 - 2050 (tCO ₂ e)	32,602	32,602	32,101	30,889	29,697	28,399	27,106	25,859	24,652	22,743	21,431	20,115	18,332	17,121	15,924	14,742	13,574	11,943	10,849	9,778	8,729	7,704	6,255	6,061	5,876	5,697	5,524	4,761	4,558	4,363	4,176	3,997	5,031

Tonnes CO2 Emissions	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Gas	2,123	2,024	1,926	1,827	1,728	1,629	1,530	1,431	1,332	1,233	1,134
Council Owned Vehicle	398	368	336	304	271	237	202	165	128	89	48
Electricity (inc T&D)	1,018	979	841	711	588	472	366	269	182	107	44
Water Supply	12	11	11	10	10	9	9	8	8	8	7
Waste Water	27	26	24	23	22	21	20	19	18	17	16
Employee Owned Vehicle	65	59	52	46	39	33	26	20	13	7	-
Leased Assets	1,381	1,351	1,253	1,158	1,064	972	883	796	713	632	555
Housing	32,602	32,101	30,889	29,657	28,399	27,106	25,359	24,052	22,743	21,431	20,115
Total	37,626	36,918	35,333	33,736	32,120	30,479	28,394	26,760	25,137	23,523	21,919



Annual Cost Savings (£)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Electricity - Energy Efficiency	0	10,652	21,487	32,558	43,837	55,196	67,491	80,919	89,046	98,889	112,616	612,691
SMW PV	0	25,152	51,813	80,051	109,937	141,544	174,948	210,230	247,470	286,756	328,177	1,656,079
Gas - Energy Efficiency	0	15,445	31,271	49,583	68,761	90,334	113,691	134,338	157,156	179,001	203,421	1,043,001
500kWp Building PV	0	6,599	13,311	20,169	27,156	34,193	41,810	50,128	55,163	61,261	69,764	379,554
Transition to EV	0	4,354	9,275	17,246	25,185	33,179	40,659	47,495	58,007	67,492	74,498	377,392
Total		62,201	127,157	199,608	274,876	354,446	438,599	523,110	606,843	693,399	788,477	

Intervention	Cost of all interventions	Accumulative saving up to 2030	Total annual saving of all interventions by 2030
Electricity - Energy Efficiency	£546,259	£612,691	£112,616
SMW PV	£3,000,000	£1,656,079	£328,177
Gas - Energy Efficiency	£1,036,533	£1,043,001	£203,421
500kWp Building PV	£300,000	£379,554	£69,764
Transition to EV	£8,972,000	£377,392	£74,498
Tree Planting	£12,902	N/A	N/A
Total	£13,867,693	£4,068,717	£788,477



APPENDIX TWO

CLIMATE CHANGE MOTION TO DACORUM BOROUGH COUNCIL

A

To assist and inform the development of the new Corporate Plan for 2020 – 2025, which will outline the council's vision and priorities for the next five years, this Council notes that:

1. The overwhelming weight of scientific evidence pointing to dangerous manmade climate change in terms of CO2 Global Warming, loss of habitat for wildlife leading to a dramatic drop in bio-diversity, alarming consequences of the accumulation of plastic waste across the planet and the continuing unsustainable depletion of natural resources. The harmful effect that such climate change and other human impact on the planet is increasingly feeding back into our lives, eco-systems, erratic rainfall and poor air quality.
2. The Special Report on Global Warming of 1.5C published by the IPCC in October 2018 which describes the enormous harm that a 2C average rise in global temperatures is likely to cause, and advises that limiting global warming to 1.5C may still be possible with ambitious action from national and sub-national authorities, civil society and the private sector.
3. Local residents have been actively involved in environmental initiatives and have organised into campaign groups looking to influence all levels of government policy. DBC recognises that this is a reflection of their concerns about climate change and loss of biodiversity.
4. UK Central Government has announced a target for net zero emissions of greenhouse gas by 2050 for the UK, and Council recognises that if this is to be achieved, immediate action and progress in advance of that schedule is required at all levels of government.
5. Dacorum Borough Council has been working on environmental issues, based upon the "Nottingham Declaration" endorsed by Council in 2000 and in continuing to improve recycling rates.
6. District authorities are well placed to lead the vanguard in reducing carbon emissions and protecting biodiversity, as their responsibility for planning policies and housing stock opens up a range of sustainable transport, buildings, household and commercial/community waste and energy opportunities.
7. This Council has control over local policies and services, the Local Plan and particularly the specification of the housing stock.

Agenda Item 5

B.

In recognition of the factors noted above the Council resolves to –

1. Join other councils at all levels of Local Government in declaring a climate emergency that requires urgent planning and action, and commits to work towards reducing carbon emissions across the full range of council activities to net zero by the end of budget year 2029/30, this to include the production of a strategy and action plan to make the activities of Dacorum Borough Council carbon neutral by 2030 in accordance with the IPCC recommendation
2. Evaluate all practical means to reduce then impact of council services on the environment as soon as possible.
3. Work with the established groups of Hertfordshire Public Sector Organisations to review their services and implement measures to reduce their impact on the environment and climate breakdown.
4. Urge the two Dacorum Members of Parliament to impress upon Central Government the need for regulations and resources that will support communities to meet the goal of carbon neutrality by 2030.
5. Ensure the new Local Plan and associated regulations when adopted contains all available measures to cut carbon emissions and reduce the impact on environment.
6. Having regard for the duties required under the General Fund Account and the Housing Revenue Account, and consider the use of available reserves to introduce improvements to social housing energy efficiency.
7. Implement evolving environmental best practice wherever/whenever there is an opportunity to re-specify services at reasonable and cost-effective intervals.
8. Engage with local residents and businesses, in all sectors of our communities to publicise this declaration and gain their active support in reducing and preventing environmental harms and tackling climate change by making wise, early, significant choices towards achieving carbon neutrality and environmental sustainability.

Proposed by Cllr. Ron Tindall

Seconded by Cllr. Andrew Williams

APPENDIX THREE – CLIMATE CHANGE AND ENVIRONMENTAL SUSTAINABILITY ACTION ALREADY TAKEN OR UNDERWAY

Introduction

The Council has been actively working on improving its sustainability for some time albeit as yet we do not have an overall climate change strategy. Set out below are **examples** of the progress made already. Some services clearly have a greater scope than others because of their nature, with others making their contributions through corporate changes we have made. On the latter these include the move to the Forum one of the most energy and sustainably efficient buildings in the County and the associated flexible working arrangements reducing energy requirements and through working from home the number of car trips made to and from work. Digitisation has allowed us to become far less dependent on paper usage and we have recently adopted a reduction in single use plastic.

1 Planning, Development and Regeneration

- Embedded sustainability at the heart of the 2013 Dacorum Core Strategy – but we need to go further
- Delivered high performing buildings the Council has developed including The Forum, Maylands Business Centre (plus extension) and Kylna Court
- Developed biodiversity through the regeneration of the Water Gardens
- Worked proactively with innovative developers on bespoke eco-house developments (such as Two Oaks and the Walled Garden, Aldbury)
- Carried out sustainable travel initiatives at Maylands with new work with businesses on achieving modal shift away from the car about to start incorporating climate change and sustainability action at the heart of the new Local Plan currently underway

2 Housing

Housing Development

Our principal control documents are our Design Guide and Employers Requirements. I have outlined some of the ingredients of these documents that focus on areas of sustainability and energy performance along with reference documents that we refer to within these documents that are adhered to under our contracts.

National Housing Federation Housing Standards Handbook- This document outlines design detailing that should be considered. It covers areas like:

- Building orientation doesn't exacerbate excess heat gain or loss
- Balancing the size and thermal performance of windows for improving daylight and sunlight without excess heat gain or loss
- Ensuring that the amount of ventilation is adequate
- Heating systems are correctly sized for the amount of insulation and levels of air tightness
- Understanding how improved thermal insulation can assist with reduced noise transmission.

UK Green Building Council – Health and Wellbeing in Homes - This report discusses the mental, social and physical health and wellbeing of the people who occupy the homes we build. This aims to gather and distil the most compelling evidence and advice about building and neighbourhood design features which can enhance the health and wellbeing of residents.

Site Waste Management Regulations - Our Designers must be aware of and contribute to the preparation of the Site Waste Management Plan. In particular, schemes are designed in a manner that reduces waste.

Sustainability and Energy Strategy - In order to formulate a standardised approach to sustainability and energy efficiency in the construction of new homes we operate a staged approach as follows:

- Stage 1 - Passive Design Measures and Features. 'Be Lean'
New dwellings design adopt a 'Fabric First' approach and as such benefit from - low U-values, high standards of air tightness, beneficial use of daylighting and high levels of insulation to initially reduce the energy demands and associated CO2 emissions of the building.
- Stage 2 - Passive and Active Energy Efficient Building Services. 'Be Clean'
In addition to passive 'Lean' measures, the dwellings include high standards of energy efficient building engineering services. These measures to include the following: high efficiency lighting design and associated controls, high efficiency fan motors, variable temperature and volume control of the heating systems.
- Stage 3 LZC/Renewable Energy Provision 'Be Green'
Over and above passive and active measures to achieve further overall reduction in CO2 emissions. Air source heat pumps, photovoltaic panelling or other renewable technology are considered to reduce emission figures.

Design to maximise daylight and solar gain - Schemes are designed to maximise solar gain to assist overall energy performance while at the same time taking precaution against potential summer overheating.

Design to minimise noise nuisance - A high standard of sound insulation must be provided. Values will be in excess of current Building Regulation

Design to minimise whole life costs - Designers should consider life cycle costing techniques to justify selection of elements and services.

Design to maximise value - Schemes should be designed to maximise value by considering the most efficient use of space (while not detracting from our minimum space standards) and by maximising the likely saleability of any sales element

Design to Reduce Construction Waste - Designers must consider opportunities for reducing construction waste at design stage when the potential for such is at its greatest. This can be achieved by using construction techniques that make efficient use materials, minimise production waste and have recyclable waste streams.

Modern Methods of Construction - Appropriate solutions will be considered provided it can be demonstrated that the proposals are of genuine value. This is an area we are just starting to move into and have some sites in mind, which could benefit from this approach.

Examples of our Contractors approach

- Site cabins are all low energy with inbuilt PV panels and sensors for lighting etc.
- Waste segregation is rarely available on site due to space, so they often use a waste management company that sort each skip into the separate waste streams when offsite and provide a report showing where the waste was used or disposed of.
- Using the feedback from these reports benchmark can be set to for use on the next schemes
- Working with a number of the suppliers to reduce the amount of packaging that is used prior to site delivery
- Where packaging is essential suppliers are encouraged to collect it for re-use
- Sustainable procurement practices – buying only materials that can be proven to have been sustainably manufactured or sourced – the perfect example of this is timber with Programme for the Endorsement of Forest Certification (PEFC) or Forest Stewardship Council (FSC) certification
- Part of our supply chain selection process includes the vetting of each companies environmental management processes/manual

Existing Council Housing

The Council have optimised the use of historic grant funding from, the Green Deal, Energy Company Obligation (ECO), Carbon Emissions Reduction Targets (CERT) and Community Energy Saving Scheme (CESP), along with its own capital funding, to undertake a raft of energy improvements to existing stock.

One of the first projects was in response to the opportunity to obtain attractive feed in tariff's (FiT) from the installation of solar photovoltaic (PV) panels, which aside from the ongoing revenue income, used renewable energy sources to generate electricity, for use in the schemes communal areas. **Seven** of the sheltered housing schemes had large solar PV arrays installed, which combined with the installation of Light Emitting Diode (LED) light fittings have dramatically reduced the energy consumption at the schemes. LED light fittings have been installed to a number of other sheltered schemes and combined with the use of motion sensors, to reduce the energy consumption substantially.

In addition the street lighting columns, which are owned by the housing service have been subject to a programme of fitment replacements and just over 35% have been replaced with LED fitments.

Other investments have been targeted at those properties with a low Energy Performance Certificate (EPC) banding, whereby the measures would have significant benefit to the occupiers. To date we have installed External Wall Insulation (EWI) at **265 individual houses**, all of which were solid wall construction.

The estate based project at Summer Court, provided a number of sustainable improvements to **32 flats**, including solar photovoltaics, EWI and a biomass boiler, which has sufficient capacity to add additional blocks, in the future. The biomass boiler qualifies for Central Governments, renewable heat incentive (RHI), which was set up to encourage uptake of renewable heat technologies amongst households, communities and businesses. The Council receive payments for seven years following the installation.

Seaton Road had a similar whole house approach undertaken and works included, EWI, new roofs including upgraded loft insulation and the installation of solar photovoltaic panels, and new condensing boilers. The scheme also provided the opportunity for private owners to have EWI installed to their properties, enabling a number to have works undertaken, which were part grant funded, whilst also having the benefit of retaining the streetscape. The project was shortlisted for a National Housing Maintenance Forum award in 2015, for sustainability and innovation.



The upgrade of the block of **20 flats** in Longlands, included EWI, solar PV and new double glazed windows to all properties and the communal areas, as well as providing six additional flats on the roof for social rent.



Properties located in off gas rural locations, have benefitted from a raft of improvements including, EWI and installation of air source heat pumps (ASHP) to **62 homes**, which also attract Renewable Heat Initiative (RHI).

Properties with cavity construction, have had cavity fill installed, to improve the thermal performance, and loft insulation has been installed to the majority of Council properties, to provide 300mm of cross laid insulation.

The capital investment programmes in the past five years have delivered 988 window replacements, with thermally efficient double glazed units, 6632 composite doors, which have an insulated core and 3941 condensing boilers with a Seasonal Efficiency of a Domestic Boiler in the UK (SEDBUK) rating of A, which save around 90% of the energy rated by the boiler. To put that in perspective, old boilers lose 35-40% of the energy they create.

The RHI from the biomass boiler and ASHP's bring in approximately £20K per annum and the FiT around £30K, which can be reinvested in other energy efficiency measures.

Private Sector Housing

We provide Energy Company funded energy efficiency measures such as heating and insulation for qualifying private residents through the Hertfordshire Warmer Homes scheme. Hertfordshire Warmer Homes is a partnership

between Hertfordshire County Council and the 10 district councils. There have been 24 installations in Dacorum since January 2018.

We have written to Private Rented Sector landlords regarding 207 domestic properties with an energy rating below “E” and advised them on how they can comply with the Minimum Energy Efficiency Standards.

3 Clean Safe and Green

Trees and Woodlands

- Currently using battery powered equipment whenever appropriate, and replacing petrol-powered equipment with battery powered when possible.
- Using bio-oils and recyclable products.
- Using watering bags around newly planted trees to increase establishment rates and reduce the number of watering rounds required (van with trailer).
- Altering mowing regimes at Bunkers Park to increase species diversity and reduce maintenance.
- Using voluntary groups to help maintain two of our sites. Volunteers use hand tools, not powered tools, and are locally based so reduce vehicle miles.
- Woodland management - reusing timber products, increasing biodiversity through management practices, e.g. leaving standing dead wood, leaving eco-piles, creating more woodland edge habitats
- Tree planting borough-wide

Parks and Open Spaces

- Created new butterfly invertebrate meadows, by changing cutting regimes. They have been surveyed twice now and this will be an ongoing thing. This will be expanded next year to include more areas. This is all to help create more biodiversity. This has been in partnership with Butterfly world 2.0 and Buglife.
- Watergardens team have battery operated tools and mower to help reduce carbon emissions.
- Use of chemicals in parks has been reduced.
- Beds that were once for bedding have been planted with more sustainable planting, that encourages more bio-diversity and cuts down on watering and costs.
- Bee houses installed in the walled garden, water gardens and Gadebridge. These use cardboard tubes which Masonry Bees and leaf cutter bees use. These tubes are removed and sent to a Masonry bee charity, who take the cocoons out. In the spring they send us some back and the whole process starts again. These have been so successful that we will be installing them in more parks across the borough.
- Watergardens wildflower was installed last year, again to help with biodiversity. More areas to be added in the years to come.
- Re modelling of section of river Gade. Again to increase bio diversity.

Waste and Recycling

- Planning to roll out food waste recycling to 12,000 properties by March 2020 so that all homes in Dacorum can recycle food waste. This will divert extra food waste from landfill / incineration (landfill produces methane – a greenhouse gas 25x more potent than carbon dioxide) and in doing so creates biogas which is fed back into the National Grid.
- Launched 'Refill Hertfordshire' – signed up over 300 refill stations in Herts so that residents can refill their own reusable bottles with tap water without having to buy a bottle
- Ran the 'Remember your reusables' campaign to encourage residents to ditch single use plastic
- Running clothes swap events to encourage people to reuse clothes rather than throw them away – fashion industry is responsible for 10% of global carbon emissions and is the world's second largest industrial polluter after oil
- Since Q1 so far this year we have given out 127 reusable nappy bundles to residents. Disposable nappies are the third largest source of waste in landfill and produce methane as they biodegrade. It takes around 500 years for them to break down in landfill and each child goes through around 4000 from birth to potty. Reusable nappies are much better for the environment.
- Running a Love Food Hate Waste campaign in November to encourage residents to waste less food – if food waste were a country it would be the third largest emitter of carbon emissions.
- Switching calendars from physical to digital which will reduce the amount of waste the service produces.
- Rolling out blue-lidded bin stickers to all residents to encourage them to recycle correctly and reduce the amount of waste that they produce
- Reducing amount of single use plastic used internally by staff by providing more reusable items
- Rolled out great recycling capacity to schools for both mixed recycling and food waste – more work in this area to follow.

4 Old Town Hall

The Old Town Hall successfully implements the following -

- Waste is separated into general, mixed recyclable and confidential. Recycling bins are located in all staff areas.
- 100% recycled paper is used for printing and staff use recycled paper notepads. We also re-use ring binders, plastic wallets and other stationary and office equipment.
- All printing defaults to double sided, and uses a low intensity ink setting.
- We have reduced paper usage and minimised waste in our offices by maintaining electronic copies and records. We also process invoice payments using a paperless system.

- Where possible, old posters are re-used by printing on the reverse and flyers are often used for scrap paper.
- Our energy certificate is on display at the Box Office for members of the public to view.
- All bar fridges and freezers are switched off during down seasons (when we have no events).
- All glasses used at the bar are reusable plastic.
- The Robert Adams Gallery exhibits work by local artists. Whilst supporting artists within Dacorum, this also reduces distance that exhibitions are transported.
- We make the most of daylight, and only switch lights on when needed.
- All computers, monitors and printers are fully switched off when not in use, not left on standby.
- All stage lights and technical equipment is switched off when not in use.
- All external and internal lights are switched off when the building isn't in use.
- We replace bulbs with LED lights as they expire.
- We ensure that the overnight switch-off procedures are carried out, and that all members of staff are familiar with this.
- All cleaning chemicals are disposed of safely and responsibly, as per COSHH regulations.
- Hand dryers are used in all toilets in place of paper towels.

We are pleased to have achieved the following:

- Our bar service is now Single Use Plastic free! We've replaced plastic water bottles with aluminium water cans and plastic straws with paper alternatives. We have also introduced food compostable coffee cups and serve all our drinks in reusable plastic glasses.
- Our bar now stocks some locally produced goods! You will find delicious ice creams from Lewis of London (Barnet), crisps and nuts from Salty Dog (Chesham) and locally brewed ales from Haresfoot Brewery (Berkhamsted)
- During our Gallery redecoration, the old café tables were refurbished and upcycled and new LED lights were installed. We also saved the old chairs from landfill by donating them to local charities.
- We have successfully reduced the quantity of brochures printed by producing fewer issues per year and condensing our mailing list.
- The introduction of e-tickets has led to a significant reduction in ticket printing.
- Marketing activities have become increasingly digitalised, advertising on digital screens and communicating through our social media platforms and monthly e-newsletter.

5 ICT

- Paper consumption reduction – print and paper represent around 1% of carbon dioxide emissions so the Technology team's contribution to reducing the use of paper will have significantly shrunk our footprint

- Staff Commuting reduction – the very significant increase in working from home which has only been made possible by the deployment of technology and the support of the technology team
- Website & portal – similarly the number of transactions that can be undertaken remotely by residents will have had a significant effect on emissions as residents no longer need to travel to the Forum/Civic and officers no longer have to drive to meet with them.
- More efficient data centre equipment. The new generation of data centre equipment recently installed is more power efficient – we estimate by somewhere between 5 and 10%.

6 Finance/Revenues and Benefits.

Finance – On going process of digitalisation to produce as paper light systems and processes as possible.

Revenues & benefitss – On going process of digitalisation to produce as paper light systems and processes as possible.

Rate relief available to new businesses opening within the Enterprise Zone based on their environmental credentials.

7 Commercial Assets and Property Development

A. All operational assets have electronic meter readings for gas/electricity and water (where applicable). These form monthly reports circulated to assess usage and allow these to be assessed to see if there are leaks or unusual consumption patterns. Usage is accessible via an online tool.

A reduction in utility use over the last 3 years of greater than 30% for the 13 main operational sites. (Civic sites, Forum, Playgrounds, Cupid Green Depot, Cemeteries).

B. All new lighting installed is now LED. Any maintenance or upgrades to facilities ensures all lighting is changed to LED for operational buildings. Motion sensor lighting installed in the civic centres where applicable.

C. Improved recycling facilities at all operational buildings including the Forum to increase the volume of recycling and reduce the waste produced. In theory this reduces the need for natural resources and makes future production more efficient.

8 Environmental Health

Draft Air Quality Action Plan in place and work continuing to establish this in full.

9 Licensing

- Full section in Air quality action plan

- Advice to taxis switch off engines whilst waiting for jobs
- Internally the team aims to ensure that when jobs need to be carried out by way of a visit that multiple visits are carried out in the same part of the Borough to reduce unnecessary travel
- All taxi plates are returned to the supplier for recycling

10 Commissioning and Procurement

- Use of Social Value Act in service contracts to have regard to environmental well-being
- Evidence of environmental aspects included in specifications and evaluation criteria.
- Introduction of MFD's rather than individual printers

11 Parking services

- Introduction of EV Charge Points
- Introduction of virtual permits

12 Leisure Services

- Plant & Equipment are switched off when areas are not in use, not just at the end of the day
- Consumption reporting is understood and reviewed by colleagues, the impact individuals can have on consumption made clear
- Pool covers used when the pool is not in use
- Everyone Active are currently investing £320k on energy efficient measures
- DBC investing £350k upgrading to energy efficient mechanical & engineering equipment

13 Facilities Management

- The Forum has been built to BREEAM excellent standards
- Rainwater harvesting system to reduce water consumption
- Building management system operates the heating & ventilation
- Power generated by photovoltaic panels
- No single use plastic in café
- Recycling of waste streams

APPENDIX FOUR – CLIMATE CHANGE EMERGENCY STATEMENT

Draft

Climate Change Emergency -Vision/Statement of intent

'A Borough that takes robust action to tackle the local and worldwide threat of climate change, both internally and in partnership with local organisations and residents, and to minimise its environmental impact by cutting carbon, waste and pollution'.

Dacorum Borough Council is determined to play its part in helping to tackle the Climate Emergency. We have committed to ensuring that the operations, activities, and impact of our built assets will be net carbon neutral by 2030. This will be achieved through a combination of specific new projects, use of our policy making and regulatory powers and incorporating climate change and sustainability a part of business as usual. In doing so, we will adhere to the highest standards of quality in our efforts to provide services that add value to our residents, partners, and employees - and to protect the earths' vital resources for the future.

We will demonstrate leadership through ensuring that Dacorum Borough Council, its operations and activities will be net carbon neutral by 2030 and promise/pledge to:

- Lead by example in reducing carbon emissions year on year
- Use our powers, such as Town Planning, to require all new development to be as low carbon as is possible
- Work with government, business, community groups and other partners to maximize our impact on decarbonisation
- Encourage and support residents, community groups and businesses to reduce their emissions across the borough
- Prepare and plan for the impacts of climate change and their mitigation in our own services together with residents, community groups, businesses and partners.
- Keep residents and businesses as fully informed as possible about what action can be taken