

## Appendix 1 – progress made on climate change action plan projects

Progress against our current plan is detailed below

### Theme 1: Taking the Lead

No:	Action	SMART targets	2019 UPDATE
L1	Lead by example – improve our own policies and practices	Include climate change mitigation and adaptation in all relevant policy documents. Ensure compliance with climate change policy requirements.	Implementation of a “Greening Waste Arrangement” report going to the executive in March 2020. A new air quality plan is being drafted in line with agreement at Licensing Committee in 24 October 2019.
L2	Publish and utilise planning policies which both enable economic prosperity and promote sustainability	Review BFC planning policies to reflect changes in national planning and climate change policies	The emerging draft Local Plan will reflect national planning and climate change policies. The draft Local Plan includes policies that require new developments to contribute to the climate change agenda through sustainable construction requirements. The submission version of the Local Plan will be examined by a Planning Inspector before adoption by the Council.
L3	Raise awareness and stimulate actions in the community	Maintain public awareness of climate change and sustainability issues. Implement an ongoing programme of community actions.	Articles have been published on the council website and in Town & Country, Forest Views and Bracknell Matters.
L4	Support homeowners to improve energy efficiency	Investigate schemes to support home energy efficiency. Promote home energy efficiency and renewable energy schemes to homeowners.	£1.2 million awarded by Warm Homes March 2019 (shared partnership with other LA's).
L6	Develop a renewable and low carbon energy strategy for Bracknell Forest	Review renewable energy and low carbon energy policies within the Local Development Framework by 2016	The emerging draft Local Plan will reflect national planning and climate change policies. The draft Local Plan includes policies that require new developments to contribute to the climate change agenda through sustainable construction requirements. The submission version of the Local Plan will be examined by a Planning Inspector before adoption by the Council.

## Theme 2: Energy

No:	Action	SMART targets	
E1	Implement a three year rolling programme to convert all streetlights in the borough to LED	Install LED lanterns with Mayflower controls on all 14,500 street lights by 2019. Replace 300 life expired concrete columns with galvanised steel columns by 2019.	LED lanterns with Telensa controls have been installed on all 14,500 street lights, accounting for energy savings of 55% between April 2016 and April 2019 (6,261,869 kWh to 3,412,604 kWh). Further detail can be found here: <a href="https://www.bracknell-forest.gov.uk/roads-parking-and-transport/roads/street-lighting-led-upgrade">https://www.bracknell-forest.gov.uk/roads-parking-and-transport/roads/street-lighting-led-upgrade</a>
E2	Implement Energy Performance of Buildings monitoring (certificates & inspections)	Renew Display Energy Certificates (DECs) for all council and school buildings exceeding 250m <sup>2</sup> annually. Display valid DECs prominently. Produce 5-yearly TM44 inspection reports for A/C systems over 5kW.	Energy Manager has ongoing tracker monitoring DECs for all BFC owned buildings.  Energy Manager holds details for Garth Hill College & Time Square.
E7	Promote Flexible Home Improvement Loan scheme to eligible private (60yrs +) home owners	Value of loans awarded for energy saving works and no: of applicants by March annually.	Four flexible home improvement loans totalling £12,670 were issued in 2018/19 for the purpose of saving energy in the home.
E8	Promote renewable energy schemes	Publicise schemes such as Domestic Renewable Heat Incentive through council website and other media channels	Ongoing promotion of DRHI via channels identified.

E9	Promote home energy efficiency and alleviate fuel poverty	Provide energy efficiency advice to residents on demand. Signpost residents towards energy efficiency / fuel poverty funding	Green Deal community grants of £1.8M were shared out between 2012-2015. Heat the Home Counties – partnership of LA's offering grants to make homes healthier, warmer and cheaper to power. £3M available 2019-2022. BFC offers a free USwitch utility provider comparison tool on its website.
E 10	Improve our understanding of residential energy efficiency	Increase the no: of homes recorded in the ELMHURST home energy database. Publish Home Energy Efficiency Report.	46,266 homes registered (90% of all BF homes). 2018/19 Home Energy Efficiency report available on BFC website.
E 11	Promote renewable energy schemes through the Feed-in-Tariff (FIT) and Renewable Heat Incentive (RHI)	Publicise renewable energy schemes through council website & press releases.	Renewable energy promoted & advice given to residents. 773 domestic solar PV installations in borough from April 2010 to December 2015
Other	New developments Renewable Energy CS 12 Policy		333 planned new dwellings (2018/2019) with renewable energy.  The Council's Sustainable Energy Officer is now a consultee on all new developments and must ensure that properties meet a minimum renewable energy standard.
Other	Warfield Park Mobile Homes		£3 million spent on installation of gas mains at Warfield Park Homes site – resident feedback has indicated an average saving of 40% on gas bills.  In terms of the Warfield installation, the site was on bottle gas, which was more expensive for the residents, they used more of it to achieve the same level of warmth and had additional transport costs / vehicle movements. Mains gas has the benefits of more efficient heating, therefore less gas being consumed, lower transport costs and therefore impact on the environment.  By comparing the differences of CO2 between LPG and mains gas

			<p>on our energy software it calculates at 2.92 tonnes per property per year. (480 properties on Warfield Park).</p> <p>As well as considerable financial savings and benefits for residents who now can choose with which utility to purchase their gas from. Residents on low incomes are now able to claim Warm Homes Discount currently £140 per year.</p> <p>Ongoing work is being carried out to provide external cladding to the homes.</p>
Other	Westmorland		<p>Solar panels are planned to be installed at Westmorland along with EV charge stations.</p> <p>Garth Hill – Biomass boiler and 50kWe Solar photovoltaic panels installed on sports hall roof (2015);</p> <p>Binfield &amp; Great Hollands Primary – all interior lighting now LED</p> <p>Easthampstead Park school – replaced sports hall lighting with LEDs</p> <p>Annual Schools’ Environmental reports published until 2014/15</p> <p>Bracknell Leisure Centre – solar photovoltaic panels installed on swimming pool roof (2012)</p> <p>Bracknell Leisure Centre &amp; Coral Reef – Combined heat and power units installed</p> <p>Priestwood community centre – solar photovoltaic panels installed</p> <p>SH Park Wilde theatre – solar photovoltaic panels installed</p>
Other	School improvements		
Other	Estate improvements		

### Theme 3: Transport

No:	Action	SMART targets	2019 Update
T1	Increase the use of sustainable modes of transport in targeted areas	<p>Deliver Personal Travel Planning (PTP) to targeted areas.</p> <p>Reduce car journeys for all trip purposes by 10% in the targeted areas by March 2015</p>	<p>Personal travel planning was delivered to businesses and targeted residential areas with funding from the government as part of the Local Sustainable Transport policy in 2014/15.</p> <p>Walking, cycling and the use of public transport has continued to be promoted in marketing campaigns.</p>

			<p>Annual bus patronage data provided by operators in the Borough showed a 13% increase in the use of Bracknell's buses from April 2017 to April 2018 and this was followed by only a 2% reduction between April 2018 and April 2019. See Travel in Bracknell Report for more info on all modes: <a href="https://www.bracknell-forest.gov.uk/sites/default/files/documents/travel-in-bracknell-report-2019.pdf">https://www.bracknell-forest.gov.uk/sites/default/files/documents/travel-in-bracknell-report-2019.pdf</a></p> <p>CCTV cameras located in 20 places across the borough showed a 2% increase in the number of people that passed on foot and a 13% in those by bike between the survey dates in May 2018 and May 2019. Further detail can be found in the report above.</p>
T2	Encourage more children (and parents) to cycle to school by delivering a Bike It programme to 24 schools	Achieve a 15% increase in cycling to school at the targeted schools by March 2015	<p>Bike It programme was delivered to 24 schools in 2014/15/16 with funding from the government. Anecdotal evidence suggested that this had a positive impact on the number of children cycling to school.</p> <p>The Bikeability Scheme continues to be delivered to children in years five and six. Annually, over 600 children take part in the scheme.</p>
T3	Encourage more employers to support sustainable travel choices among employees	Reduce commuting to work by car by 10% at targeted employer sites by March 2015	<p>Government funding towards this scheme of work ceased in 2015. Since then, the Highways and Transport team have continued to attend sustainable travel events, hold Cycle to Work days and have produced a <a href="#">Travel Information for Workplaces</a> document.</p>
T4	Promote & facilitate greener fuel vehicles and technology	<p>Install new electric vehicle charging points in Avenue car park.</p> <p>Publicise and promote existing EV charging points in Bracknell &amp; Berkshire.</p> <p>Encourage major businesses and employers to update their fleet to EV's</p>	<p>Electric vehicle charging points providing free electricity have been funded by the council and installed in The Avenue (4), High Street (6) and Braccan Walk (5) car parks. There were 212 hours of charging across High St and Braccan Walk car parks in Sept 19 – an increase of 12% on the previous month. Usage levels will continue to be monitored.</p> <p>Information is available on the council website about grants that can be accessed to support the installation of electric vehicle charging points.</p>

			The council owns five electric pool cars, with one more on order, and two charge points are available in the staff car park. Businesses such as Fujitsu, Panasonic and Waitrose have electric vehicle charging points and fuel stations within Bracknell are also starting to provide them.
T5	Promote the use of alternative travel choices for short local trips	Encourage more active travel through the walking and cycling strategy (and understand the perceived and real barriers to walking and cycling).	Walking, cycling and the use of public transport has continued to be promoted in marketing campaigns. The council's Sustainable Mode Strategy has been updated and has considered how certain groups may be encouraged to cycle. The Local Cycling and Investment Plan continues to seek out cycle routes that could benefit from being updated or introduced.
T6	Reduce environmental impact of vehicle fleet	Seize all appropriate opportunities to downsize and optimise replacement vehicles	EV are considered for every replacement vehicle tendered. BFC now has 3 EVs with another on order. Service redesign has reduced vehicle fleet and telematics monitor vehicle utilisation.
T7	Review pool car scheme	Consider use of more EVs.	One current pool car is an EV.
T8	Seek to encourage reductions in the environmental impact of contractors' vehicles	Report on vehicle mileage and fuel consumption (suez vehicles). Encourage contractors to reduce environmental impacts of vehicles / consider EV options.	New Suez fleet (Jun 2019) all have lower polluting euro 6 engines.

### Theme 5: Procurement

No:	Action	SMART targets	2019 Update
P2	Consider extent to which Procurement can be used to help achieve the council's climate change strategy	Review procurement processes and document templates. Develop a suite of questions which can be used in the tender	The Procurement Manual gives advice on the three pillars of sustainability - social (value), environmental and economic. It mentions that the Council adopted <u>Government Buying Standards</u> (GBS) in 2008 and the council also adopted the <u>Ethical</u>

		process by Sep 2013	<p><u>Trading Initiative.</u>  Within the standard Procurement Plan, the approval document for major procurements, there is a section regarding the three pillars of sustainability that is completed as the project sees relevant. This is approved by the Director/EM/Exec and then guides the level of focus in that procurement.  Within the Invitation to Tender (ITT), a discretionary question asks about environmental breaches and how the tender checks breaches with sub-contractors.</p>
P3	Sustainable procurement training	Review Procurement training plan by March 2014. Procurement briefings to include sustainable procurement principles	<p>E-learning modules mention GBS and environmental concerns in contracts.  Training issued by the procurement team to new teams within the council doesn't touch upon climate change.</p>
	Other: Climate change-related requirements that have been placed on recent procurements		<p><b>Buses</b> – contracts for subsidised bus routes started in 2016 - Euro 4 minimum requirement on all vehicles.  <b>Home to School Transport 2016 tender</b> – compliance with 2015 taxi licensing requirements.  <b>IT hardware</b> - laptops - EPEAT rating or equivalent, packaging removal and recycling, WEEE - current mini-comp.  <b>Waste collection tendered in 2009.</b> All vehicles to be Euro 5 unless agreed. The main collection vehicles – new at this point – may have been a higher specification. The contract was renewed in 2019. The minimum requirement for all vehicles is still Euro 5. The main collection vehicles due to be purchased over the next 2 years are specified as Euro 6. Contractor's obligations include consideration of environmental aspects, including fuel performance, environmentally friendly materials for sacks, pollution. Could be with smaller suppliers. This is Suez' specification and will be driven by what the manufacturers are making, since the main vehicles are new and highly specialised.  <b>Parking and Car Parks</b> – current tender includes “The Contractor shall ensure that every effort is made to support the climate change agenda and limit its impact in terms of pollution of the environment and harm to human health. Where possible and practical, only</p>

			biodegradable, non-toxic, non-hazardous materials and substances shall be used in carrying out the Services.”
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### Theme 6: Adaptation

No:	Action	SMART targets	2019 Update
A1	Reduce the risk of surface flooding through the borough	Publish a local Flood Risk Management Strategy by Sep 2013. Determine planning applications requiring approval for Sustainable Urban Drainage (SUDs) systems	An updated version of the Local Flood Risk Management Strategy was created for 2017-2020. Since August 2015, the council has required a drainage strategy to be submitted with all major and some minor planning applications before they can be validated. Sustainable Urban Drainage (SUDs) systems are required for major planning applications and will continue to be required under the new local plan.
A2	Reduce water use in identified council buildings.	Install automatic meter readers on inaccessible water meters. Reduce water consumption and leakage by 5% p.a.	All automatic meter reader installations will be completed by Mar 2020.
A3	Encourage public to have more environmentally friendly gardens	Increase promotion of green gardening and water conservation techniques e.g. – <ul style="list-style-type: none"> <li>- Garden centre day</li> <li>- Water butts</li> <li>- Drought resistant plants</li> <li>- Winter planting of woody plants</li> <li>- Mulching, composting &amp; top dressing</li> <li>- Gardening for wildlife</li> </ul>	The Parks and Countryside team have actively promoted “Hedgehog Street” which is a charity that encourages households to consider wildlife friendly gardening. In the last year, promotion of “Hedgehog Street” has been achieved through the distribution of new leaflets.
A4	Improve water supply and retention to trees in order to reduce impact of warmer summers and droughts	Increase planting of amenity trees during winter. Use of drought resistant tree species?	Bracknell Forest Tree Strategy has been published and this sets out the need to replace tree stocks. Since 2016, it is estimated that 2,500 will have been planted in response to the strategy.

		<p>Greater use of planting boxes to minimise run off / evaporation.</p> <p>Greater use of compost/mulch/wood chip to prepare planting pits and top dress newly planted trees</p>	<p>The use of drought resistant tree species is currently under review.</p>
A5	<p>Adopt maintenance programmes for parks and open spaces to changes in the growth patterns of plants</p>	<p>Review current maintenance regimes.</p> <p>Update risk mgmt. policy document addressing climate change.</p> <p>Increased use of mulching and soil improvement techniques.</p>	<p>The schedule for cuts is currently under review, with the potential of reducing frequencies.</p> <p>All veteran and new planted (except whips) trees are now mulched. When available, woodchips from tree surgeons are used to support tree growth.</p>
A6	<p>Plan for impacts of climate change on species and habitat conservation and migration</p>	<p>Tree service, landscape designer and biodiversity officer to be consulted on all tree planting schemes to advise on site and species selection</p>	<p>1,416 trees will have been planted by the end of the 2019/20 winter as part of a green highway project.</p>
A7	<p>Implement climate change cross-cutting theme in Biodiversity Action Plan (BAP) 2012-17</p>	<p>Identify and adopt a green infrastructure network and policy for inclusion in the Local Plan by 2019.</p> <p>Publish a review of the impacts of climate change on the BAP and identify actions by 2016.</p>	<p>The Biodiversity Action Plan has been updated for 2018-2023 - climate change is mentioned but is not a key focus.</p> <p>A green infrastructure network has been identified to support the next local plan and a Green Infrastructure policy is in the draft local plan.</p> <p>In 2015, a review of the impact of climate change on the Biodiversity Action Plan was completed, identifying necessary actions.</p>
A8	<p>Reduce wildfire risk in Borough</p>	<p>Extend Swinley Forest fire risk mapping to other wooded areas in the borough.</p> <p>Manage woodlands to reduce wildfire risk.</p> <p>Introduce a wildfire R.A. and mitigation policy for new developments in the borough.</p>	<p>Outreach events were held in 2016 to educate residents following the Swinley Forest Fire.</p>

