

Climate Change and Air Quality Strategy – Action Plan – Issue #3

Revision History			
Issue	Description	Date	Link
1	First issue	Aug-22	Issue 1
2	Update covering Sep. '22 to Sep. '23	Jan-24	Issue 2
3	Update covering activity through to Dec. 31st 2023. New entries highlighted light blue.	May-24	Issue 3

Main Document Reference											
Complete /Ongoing	Chapter	Section	Sub-section	Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
	Governance and Management			1. Continued engagement with central government on air quality and greenhouse gas emissions issues.	Short	Inform & Influence	Response issued to DEFRA consultation on revised national Air Quality Strategy	Apr-23			
	Governance and Management			2. Explore carbon offsetting fund and low carbon energy generation investment options.	Medium	Financial / Regulatory Role	Initial research into options conducted	Jan. – March 2023			
	Governance and Management			3. Establish and maintain interdepartmental working groups accountable for the delivery of actions.	Short	Direct Control	Six meetings of Domestic Retrofit Programme Board	Oct. '22 – Sep. '23	Improved collaboration and knowledge sharing between relevant services, oversight of multiple energy efficiency and residential distributed generation schemes.		
Electric Vehicle Charging Infrastructure and Solar Car Port Programme Board / Working Group established							01/10/22 – present				
Council Estate and Climate Change Board established							01/10/22 - present	Improved collaboration, planning and execution of energy efficiency and other climate change mitigation measures across the Council Estate			
Fleet De-carbonisation Co-ordination Group established							June 2023 - present	Fleet De-carbonisation group established and work programme for 2023/24 agreed			
	Governance and Management	Review and Update		4. Review and update the strategy and action plan so that they are fit for purpose for each carbon budget.	Short	Direct Control					
	Governance and Management	Review and Update		5. Determine the most practicable means of assessing the Council's Scope 3 emissions.	Short	Direct Control					

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Complete /Ongoing	Chapter	Section	Sub-section	Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
	Governance and Management	Monitoring and Reporting	Council's Emissions	6. Monitor and report quarterly on emissions savings across Council operations	Short	Direct Control	Progress Report 2021-2022 published	24/10/2022			
Action Plan Update 08/22 published							04/11/2022				
Climate Change & Air Quality Strategy Annual Progress Report 2022-23 published.							14/11/2023				
	Governance and Management	Monitoring and Reporting	Council's Emissions	7. Improve data management and quality to better inform options for reducing emissions and performance monitoring.	Short	Direct Control	Automatic Meter Reading meter rollout	Ongoing	Installed on 73.5% of compatible electricity meters and 89% of gas meters.	Aug-23	
	Governance and Management	Monitoring and Reporting	County-wide Emissions	8. Maintain and enhance effectiveness of outdoor air pollution monitoring.	Short	Direct Control	Defra Air Quality Grant bid to test new real time air quality monitoring sensors	Sept/Oct 2018	Successful bid outcome - £124,399 awarded	02/04/2019	
								Real time air quality monitoring sensor study completed	Dec-21		
							NO ₂ monitoring locations review	Annually every December	Review completed	Dec-22	
							Clean up our air initiative. Air quality toolkits developed with Ricardo and Spelthorne Borough Council.	22/23	Grant of £91,273 to fund air quality kits for all 16 community boards.	2022/23	
	Governance and Management	Monitoring and Reporting	County-wide Emissions	9: Report annually on progress made against actions and reducing emissions.	Short	Direct Control	Progress Report 2021-2022 published	24/10/2022			
							Action Plan Update 08/22 published	04/11/2022			
							Submission of an Annual Status Report (ASR) to Defra	Jun-23			
							Climate Change & Air Quality Strategy Annual Progress Report 2022-23 published.	14/11/2023			
	The Council's Emissions to Air			10. Monitor the development of innovative solutions which could help reduce our emissions.	Short	Direct Control	Application for £320,076.24 submitted to the Local Electric Vehicle Infrastructure (LEVI) Fund for a modular system that incorporates solar PV, battery storage and EVCI technologies	17/06/2022	The bid was unsuccessful.		
							All vehicles in both North & South Waste are fitted with EDDI technology.	2022/23	Drivers are informed if they are braking too harshly, leading to more economical driving with reduced emissions.		
							Each month a league table is published with a "top 3" most economical drivers of refuse vehicles across North & South Waste.	2022/23	Encouragement of more economical driving with reduced emissions.		

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	The Council's Emissions to Air			11. Review carbon offsetting options and develop a policy on their use.	Short	Direct Control	Initial research into carbon offsetting, within a planning context, has been undertaken.	Ongoing	Further research and policy development will feed into the Local Plan and related matters.		
	The Council's Emissions to Air			12. Explore the potential for renewable energy generation projects on the council's land (e.g. a solar farm).	Medium	Direct Control	Engagement with two suppliers regarding the potential for solar car ports on Council car parks	June to August 2021	(13 systems could be installed on public car parks with a TIC of 2,675kWp). 428kWp system could potentially be installed at a Council operational site		
	The Council's Emissions to Air			13. Implement a large scale tree planting programme across the estate.	Medium	Direct Control	Invitation to Quote for Woodland Creation and Maintenance at Billet Field published	18/10/2021	Contractor selected & Woodland creation at Billet Field completed (3450 trees)	Mar-22	~411 tCO2e by 2122
							LATF funded community tree planting in Spade Oak Meadow and next to the public highway	08/01/2022	586 trees planted	Mar-22	
							Trees offered to schools and care homes as part of the Queen's Green Canopy		168 trees planted on Council owned sites	Mar-22	
							Tree planting by Chiltern Rangers on Council sites		1656 trees planted	Mar-22	
							Platinum Park Way tree planting	2022/23	4,038 trees planted along Platinum Park Way	Jan-23	
							New woodland created at Bury Farm, Amersham	Mar-23	14,300 trees planted	Mar-23	~1914 tCO2e by 2123
							New woodland created at Grange Farm, Hazlemere	Mar-23	14,700 trees planted	Mar-23	~1925 tCO2e by 2123
							Tree planting update provided to Transport, Environment and Climate Change Select Committee	Jun-23			
							New Woodland creation at Wing Wood with Forestry England	April 2023 – March 2024	132,000 trees planted	Mar-24	~10,984 tCO2e by 2124
							Tiny Forest planted at Hamilton Academy, High Wycombe.	14/12/2023	3,000 trees planted		
							Procurement exercise launched for services to prepare up to 8 Woodland Creation Design Plans for the Council Land Tree Planting Programme.	Dec. 2023			
	The Council's Emissions to Air			14. Explore the potential for blue and green infrastructure improvement projects (e.g. green roofs) across our estate.	Medium	Direct Control	LATF bid includes provision for tree planting at highways verge locations	29/06/2021	LATF funding secured (~£203k) to support tree planting and maintenance on highways verges and in community spaces	13/09/2021	
							Woodland creation at Grange Farm includes planned restoration of a pond within the site	2023/24	Restoration of blue infrastructure with associated localised bio-diversity and habitat benefits		
	The Council's Emissions to Air	Behaviour		15. Embed climate change and air quality considerations in policy and decision making.	Medium	Direct Control	A section on "Climate Change & Sustainability" has been added as a reporting requirement for corporate reports	2022			

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Complete /Ongoing	Chapter	Section	Sub-section								
	The Council's Emissions to Air	Behaviour		16. Engage and inform staff and councillors how they can reduce emissions through simple changes to behaviour.	Short	Direct Control	Staff encouraged to 'waste less and save more' on Earth Day (22/04/22) (Together Now email)	20/04/2022			
							Staff encouraged to use the AWorld app (Together Now email)	11/05/2022			
							Staff encouraged to adopt emission reducing behaviour on Clean Air Day (Together Now email)	15/06/2022			
							Staff encouraged to use active travel modes for National Walking Month (Together Now email)	18/06/2022			
							Staff encouraged to go plastic free in July (Together Now email)	29/06/2022			
							Carbon Literacy Training delivered to 14 individuals	29 th – 30 th June 2022			(Individuals' carbon footprint reduced by 5-15%)
							Internal email reflecting on how Millie found plastic free July including top tips on how to reduce plastic waste (Together Newsletter)	08/03/2022			
							'High Wycombe Transport Strategy and Local Cycling and Walking Infrastructure Plan (LCWIP) consultation' item in Spotlight on PGS internal email	08/11/2022			
							Staff encouraged to cut down on their water use following the recent heatwaves, including top tips from Thames Water (Together Newsletter)	17/08/2022			
							Staff encouraged to think about Second Hand September to save money and help to protect the environment. (Together Newsletter)	25/08/2022			
							Internal email promoting the 15,000kg of carbon savings in the Summer Savings Challenge (Together Newsletter)	25/08/2022			
							Staff encouraged to participate in the Cycle to Work scheme as a way to save money, help the environment and look after your physical and mental health (Together Newsletter)	31/08/2022			
							'Second Hand September' (sustainable fashion) item; Staff blogs 'Geared up for cycling' and 'Sustainability and Rolling Oats in Together email	21/09/2022			
							'Tackling rising energy costs' item, and 'Save money and walk, scoot or cycle to school!' new item in Together email (features tips to save energy)	22/09/2022			
Staff blogs 'Geared up for cycling' and 'Sustainability and Rolling Oats' items; and news item on 'Get your veg on with Grow it, Cook it, Eat it' in Together email	28/09/2022										
Carbon Literacy Training delivered to a further 14 individuals	Sep. 2022										

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	The Council's Emissions to Air	Behaviour		16. Engage and inform staff and councillors how they can reduce emissions through simple changes to behaviour.	Short	Direct Control	'Staff blogs 'Geared up for cycling' and 'Sustainability and Rolling Oats' items in Together email	05/10/2022			
							'A promising start to our climate change strategy', 'Hundreds of Bucks homes to benefit from energy efficiency funding ', and 'Second Hand September' (sustainable fashion) items in Together email	12/10/2022			
							'This year's tree planting season begins soon', 'Green light for e-scooter trial until May 2024' and 'Our climate change innovations video', 'Berryfields to Buckingham Park Greenway opened', and 'Second Hand September' (sustainable fashion) items in Together email	19/10/2022			
							'Second Hand September' (sustainable fashion); and 'Upcycling opportunity for a young person' items in Together email	09/11/2022			
							'Sustainable Christmas' and 'Sustainable fashion' items in Together email	09/11/2022			
							Two-part staff blog about sustainable fashion practices	Nov. – Dec. '22			
							Internal promotion of the Sustainable Warmth scheme and free insulation measures (Together Newsletter)	14/11/2022			
							Information on how staff can recycle their Christmas tree (Together Newsletter)	01/04/2023			
							Tips on how staff can save energy and save money (Together Newsletter)	08/02/2023			
							Internal promotion of the "Cycle to Work" scheme	Feb. 2023			
							A range of tips and competition to promote reduction of food waste during Food Waste Action Week	Mar-23			
							Information on how staff can recycle their Christmas tree (Together Newsletter)	01/04/2023			
							Internal email promoted two webinars in June 2023 about the cycle to work scheme	31/05/2023			
							Clean Air Day promoted to staff as a way of reducing emissions and benefiting mental health through walking	21/06/2023			
							Tips on ways to reduce energy use (Together Newsletter)	28/06/2023			
Staff Vlog about reducing single use plastic consumption	Jul-23										
Internal promotion of the "Cycle to Work" scheme	Jul-23										

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Complete /Ongoing	Chapter	Section	Sub-section								
	The Council's Emissions to Air	Behaviour		16. Engage and inform staff and councillors how they can reduce emissions through simple changes to behaviour.	Short	Direct Control	Internal email included information about Buckinghamshire for Culture open weekend centred on sustainability and climate change	26/07/2023			
							Internal email promoting the Energy Doctor service helping households struggling with energy bills	23/08/2023			
							Internal email contained an advert for "Second hand September" encouraging staff to re-use and recycle	06/09/2023			
							Internal email advertising community fridges reducing food waste and giving a helping hand	27/09/2023			
							BetterPoints Bucks Workplace Challenge	Oct. to Nov. '23	Buckinghamshire Council have partnered with BetterPoints to run an eight-week challenge from 2 October 2023 to 26 November 2023. The challenge encourages active travel and using public transport, with staff collecting points for making greener, healthier transport choices.		
							Annual Climate Change & Air Quality Strategy Progress Report promoted in "Together" weekly staff email	22/11/2023			
							Better Points App extra incentives during December promoted to staff through the "Together" weekly update.	14/12/2023			
							The December issue of "Spotlight on PG&S" included information about the Council's Climate Change and Air Quality Strategy, tips on saving energy & emissions at home and encouraged the use of active travel.	15/12/2023			
							"Re-usable Cup Competition" details published on Bucksnet encouraging staff to make use of re-usable cups when purchasing coffee and tea.	18/12/2023			

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	The Council's Emissions to Air	The Council's Operational Estate	Buildings	17. Identify and implement renewable energy and energy efficiency measures across the operational estate, in line with the accommodation strategy and repair and renewal cycles.	Short	Direct Control	Sustainable Energy Measures Feasibility Assessment (SEMFA); surveys undertaken at six corporate sites (Aylesbury Day Opportunity Centre, Aylesbury Family Time Service, Burnham Day Opportunity Centre, Castlefield Family Centre, Chesham Library, Hazelmere Library.)	2022/23	Full range of measures assessed for financial and carbon savings, detailed analysis progressing for Solar PV & Battery installations at all sites.		
							Transition to cloud-based servers project	2021 – 2023	260 on-site computer services replaced with the Microsoft 'Azure' Cloud service	Aug-22	156 tCO2e per annum
							Seasonal closure of Walton Street Offices, Aylesbury and King George V Road, Amersham	28/12/22 - 30/12/22 (inclusive)			
							Floors 7, 8, 11 and 12 have been closed at the Walton Street Offices in Aylesbury.	January 2023 – present	No electricity or heating usage on closed floors.		To be assessed after 12 month cycle.
	The Council's Emissions to Air	The Council's Operational Estate	New Builds	18. Ensure Council new builds are as low carbon as practicable taking into account available budgets.	Short	Direct Control	Sustainability considerations during design & construction of Kingsbrook Secondary School. construction and operation.	2020-2022	Savings of 187 kgCO ₂ e/m ² of embodied carbon against typical educational building performance	Sep. 2022	
							Use of Energy Hierarchy design principles during design of Kingsbrook Secondary School including solar PV, high levels of insulation and air source heat pumps.	2020-2022	Annual saving of 69.9t CO ₂ e versus regulation "minimum" design.	Ongoing	69.9 tCO ₂ e / annum
	The Council's Emissions to Air	The Council's Operational Estate	Street Lighting	19. Retrofit LEDs to remaining street lights by 2025 (subject to funding).	Short	Direct Control	LED retrofit work is ongoing.				
							£382k allocated to support works to retrofit street lights with LEDs from an internal Sustainable Energy Recycling Fund.				
							Over 91% of streetlights had been upgraded to LEDs by November 2023.	Ongoing			
	The Council's Emissions to Air	The Council's Operational Estate	Land	20. Conduct feasibility studies for the installation of solar car ports at appropriate parking sites.	Medium	Direct Control	Engagement with two suppliers regarding the potential for solar car ports on Council car parks	June - August 2021	(13 systems could be installed on public car parks with a TIC of 2,675kWp). 428kWp system could potentially be installed at a Council operational site		
							Application for £320,076.24 submitted to the Local Electric Vehicle Infrastructure (LEVI) Fund for a modular system	17/06/2022	The bid was unsuccessful.		
	The Council's Emissions to Air	The Council's Operational Estate	Land	21. Enhance and support sustainable tree management practices.	Short	Direct Control	Ongoing development of a Bucks wide tree strategy will include consideration of sustainable management practices.	2023 - present			

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	The Council's Emissions to Air	Transport		22. Promote schemes which enable staff to purchase bikes and ULEVs.	Short	Direct Control	Together (internal email to all staff) includes an item on The Cycle to Work Scheme	02/03/2022	111 employees have used the scheme since May 2020 (N.B. in 2021 20.6% of all bikes purchased under the scheme were e bikes)	27/07/2022	
Together internal email includes an item on 12 months of driving electric							13/04/2022				
Together includes an item highlighting the benefits of securing an electric car via the car benefit scheme from CPC Drive/Tusker							06/07/2022	56% of all orders placed since Oct 18 have been for either electric or hybrid vehicles.	27/07/2022		
Internal promotion of the "Cycle to Work" scheme							Feb. 2023				
Internal email promoted two webinars in June 2023 about the cycle to work scheme							31/05/2023				
	The Council's Emissions to Air	Transport		23. Introduce annual staff and councillor travel surveys.	Short	Direct Control	Surveys for staff and councillors have been developed, ready for further internal consultation.	January 2023 to present.			
	The Council's Emissions to Air	Transport	Work Transport	24. Review the council's fleet and develop proposals to reduce emissions from its operation.	Short	Direct Control	Defra Air Quality Grant Bid for upcycling and electrifying a Council refuse collection vehicle	08/10/2021	Successful bid outcome - £578,000 awarded	09/03/2022	
Installation of a new EVCP and replacement of a Peugeot Expert Combi 1.6 HDI MPV with a new Vauxhall Vivaro-e Life at Family Time Services High Wycombe							21/03/2022		21/03/2027	Over 5 years: 6.97 tonnes of CO2e 62.36 kgs of CO 9.97 kgs of oxides of nitrogen (NOx) 0.56 kgs of particulate matter	
All vehicles purchase in North & South Waste meet EURO 6 standards.							2022/23				
Installation of a new EVCP at Family Time Services Aylesbury							07/06/2022				
Contract awarded for upcycling of a refuse collection vehicle							Jun-23			10tCO ₂ e/annum from 2024	
	The Council's Emissions to Air	Transport	Work Transport	25. Explore the introduction or enhancement of logistics/fleet management equipment, additives and lubricants, eco-driving techniques, and alternative fuels to reduce fleet emissions and implement where practicable.	Short	Direct Control					
	The Council's Emissions to Air	Transport	Commuting and Working from Home	26. Support staff and councillors to work from home (flexible working) where practical.	Short	Direct Control	Work Smart programme introduced – reducing the time 'any desk' employees must be in the office to 40% of their working week	01/11/21 - present			
	Suppliers and Partners	Partners		27. Help communities identify, develop, and secure funding for projects addressing climate change and/or air quality.	Short	Enabling Change	Local Authority Treescapes Fund Round 2 secured £184,000 for tree planting projects including Dorneywood Scout Camp, Releaf Marlow, Longridge Activity Centre, Earthwatch, Buckingham Town Council, Princes Risborough Combined School and Transport for Bucks.	October 2022 – March 2023	LATF funding of £184,000 for tree planting 1456 trees planted	Mar-23	
HS2 Tree Giveaway							April – November 2022	~1,000 trees planted across Buckinghamshire	Nov-22		

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	Suppliers and Partners	Partners		27. Help communities identify, develop, and secure funding for projects addressing climate change and/or air quality.	Short	Enabling Change	Platinum Park Way Tree Planting	Winter 2022	4,000 trees planted long Platinum Park Way	Jan-23	
							Workshop delivered to town and parish councils at the BMKALC conference on grant funding	25/10/2022			
							Online briefing given to prospective community groups interested in applying to the Local Authority Treescapes Fund Round 3 (23/24).	25/04/2023			
							The Council's Climate Change & Sustainability web pages were re-designed, updated and refreshed: https://www.buckinghamshire.gov.uk/environment/climate-change-and-sustainability/	Summer 2023			
							Unconditional offer received from the Forestry Commission for the Local Authority Treescapes Fund Round 3, securing funding of up to £264,729 toward community based tree planting in Buckinghamshire.	November '23	The application included tree planting projects with Town Councils, a Parish Council and several community groups. Funding was also secured for Tiny Forests at; Hamilton Academy, Wycombe, Cannock Road & Walton Court in Aylesbury and two sites in High Wycombe.		
							Community tree planting day establishes a new Tiny Forest at Hamilton Academy, High Wycombe, funded by the LATF Round 3.	14/12/2023	600 trees planted at Hamilton Academy.		
	Suppliers and Partners	Partners	Schools and Academies	28. Support measures that reduce emissions to air in the Getting to School Strategy and forthcoming Home to School Strategy	Short	Enabling Change	Helping schools develop School Travel Plans	Ongoing	1st place in the Modeshift STARS league table for the country. 60 schools (24,688 students) with Modeshift STARS.	Dec. 2022	
							Helping children to learn to cycle (Bikeability training)	Ongoing (with funding from DfT)			
	Suppliers and Partners	Partners	Schools and Academies	29. Develop a service that supports schools to address climate change and air quality issues.	Medium	Financial / Regulatory Role	Helped Stony Dean School explore the potential for electric vehicles	Sept / Oct 2021			
							Lease & PPA signed with Solar for Schools at Spinfield School, Marlow.	2022/23	122 solar panels installed with 50kWp generating capacity.		217t CO2 over 25 year life
							"Go back to school sustainably" article published by the Council included emissions savings tips and advice.	01/09/2023			
							Five participants in the "green schools Dragons' Den" challenge organised by Buckinghamshire Council in partnership with the Bucks Skills Hub.	Dec. 2023			
	Suppliers and Partners	Partners	The Council's Investment Estate	30. Endeavour to improve the energy performance of investment properties.	Long	Financial / Regulatory Role					

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Complete /Ongoing	Chapter	Section	Sub-section	Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
	Suppliers and Partners	Suppliers		31. Produce and provide training on green procurement tools for purchasing decision-makers.	Medium	Direct Control					
	Suppliers and Partners	Suppliers		32. Work with key suppliers to identify opportunities to reduce emissions from their products/services.	Short	Enabling Change	Considerations built into establishing a new highways maintenance contract that commences on 01/04/23	2021/22	Balfour Beatty awarded the contract	03/08/2022	
							Solar PV system installation at London Road East Depot in Amersham by Veolia		136 solar PV panels installed	17/03/2021	12.25 tonnes of CO2e per annum
							Engagement with Everyone Active re. introducing EV to their sites	25/05/2022	Everyone Active is investigating the potential to install EV charge points within their carparks		
							£345,386 PSDS scheme funding secured ^[25] to install water source heat pumps and 450 roof-mounted solar photovoltaic panels at the new Chiltern's Lifestyle Centre		Renewable energy technologies installed and Chilterns Lifestyle Centre opens	06/12/2021	~180 tonnes of CO2e per annum saved from ASHP technology. ~36.74 tonnes of CO2e per year saved from the solar PV installation.
							Buckinghamshire Council trials use of recycled plastic in carriageway resurfacing	10/11/2022			
	Suppliers and Partners	Suppliers	Gas and Electricity Supplies	33. Determine the additional carbon benefits which may be achieved by purchasing renewable energy.	Short	Direct Control	Following review of Council supply contract, 100% renewable electricity supply for 2022/23.	Sep-22	100% renewable electricity procured for corporate sites for supplies commencing on 01/10/22	01/10/2022	Over 1000 tonnes CO2e
Complete	Suppliers and Partners	Suppliers	South Buckinghamshire Waste Collection and Street Cleaning Contract	34. Use dust suppressant systems on vacuum sweepers to reduce airborne emissions of particulate matter from street cleaning.	Short	Financial / Regulatory Role	All 7 Vacuum sweepers in the Southern Waste Contract have dust suppression systems				
Complete	Suppliers and Partners	Suppliers	South Buckinghamshire Waste Collection and Street Cleaning Contract	35. Install electric vehicle charging infrastructure at waste collection depots by 2021 and commence use of hybrid plug-in electric vans and electric street sweepers by 2022.	Short	Financial / Regulatory Role	6 EV charging points have been installed at Amersham Depot				
							2 electric cage tippers introduced	Nov-20			
							1 electric cage tipper introduced	Autumn 2022			
							9 electric vans introduced	Spring 2021			
							2 electric vans introduced	Autumn 2022			
							13 hybrid vehicles introduced	Autumn 2020			
							Hybrid street sweepers introduced	2021			

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Complete	Suppliers and Partners	Suppliers	South Buckinghamshire Waste Collection and Street Cleaning Contract	36. Implement telematics system to optimise driving behaviour to improve fuel efficiency and reduce emissions to air by 2022.	Short	Financial / Regulatory Role	New vehicles are automatically fitted with telematics systems	Ongoing			
Complete	Suppliers and Partners	Suppliers	South Buckinghamshire Waste Collection and Street Cleaning Contract	37. Trial an electric waste collection vehicle by 2023.	Short	Financial / Regulatory Role	Electric waste collection vehicle trial completed in 2023.	2023			
	County-Wide			38. Consider emissions in future strategy development and grant funding decisions.	Short	Direct Control	Buckinghamshire Council adopts 5 year Electric Vehicle Action Plan	07/06/2022		2022-27	
							The Council's Local Travel Plan (5) will take account of commitments within the Climate Change & Air Quality Strategy	Ongoing			
							The draft vision for the Buckinghamshire Council Local Plan includes an objective "mitigating / adapting to climate change"	Ongoing		2025	
	County-Wide			39. Develop targets for the reduction of reactive airborne forms of nitrogen and particulate matter.	Short	Direct Control	Defra consultation on environmental targets which includes targets for PM2.5	16/03/2022	Submitted response to Defra		
	County-Wide	Transportation		40. Reduce emissions from taxis and private hire vehicles.	Medium	Enabling Change	New Taxi Licencing Policy will come into effect on 6 th September.		Renewal licences only issued where vehicles comply with Euro 5 emissions standard. All newly licensed vehicles must meet Euro 6 emissions standards. Licences only issued to ultra-low or zero emission vehicles by 2030. Taxis that produce ultra-low or zero emissions will also be licensed for a longer period until they are fifteen years old	06/09/2021	
	County-Wide	Transportation		41. Implement initiatives to reduce emissions from freight pursuant to achieving the objectives of the Freight Strategy.	Short	Inform & Influence					
	County-Wide	Transportation		42. Improve infrastructure for active travel (such as walking and cycling) and electric vehicles.	Short	Direct Control	2020 ORCS bid application	2020	£105k awarded for 32 additional electric vehicle charge points which will be installed by Autumn 2021.	2021	
									New cycle route section linking Waddesdon and Aylesbury is officially opened	24/08/2021	

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	County-Wide	Transportation		42. Improve infrastructure for active travel (such as walking and cycling) and electric vehicles.	Short	Direct Control			OSRIC demonstrator project – induction pad and EV hire car made available in Liston Road Car Park, Marlow	27/09/2021			
									OSRIC demonstrator project – induction charging pad made available in Summers Road Car Park in Burnham	28/10/2021			
									Wendover cycleway improvements	Summer 2022			
									Active travel schemes in Aylesbury and Marlow made permanent	Apr-22			
									Application for £2.47m submitted to the LEVI Fund for in-pavement, lamppost, and induction EVCI and a modularised solar car port with EVCI	17/06/2022			
									ORCS bid submitted for funding for an additional 64 chargepoints in 16 public car park locations	20/07/2022			
									Berryfields to Buckingham Park Greenway opens	12/10/2022			
									Extension of the e-scooter trial in Aylesbury, High Wycombe and Princes Risborough until May 2024	13/10/2022			
									Platinum Park Way improvements completed	Mar-23	Increased walking and cycling along the Emerald Way, improvements to health, air quality and congestion reductions	Mar-23	
									An additional 'car-free' section of 800m added to the Waddesdon Greenway.	Nov. 2023	The existing Waddesdon Greenway route has been extended by 800m to provide a new car-free thoroughfare to local schools, "suitable for walking, wheeling and cycling".		
	County-Wide	Transportation		43. Assess the carbon emissions from proposed road schemes.	Short	Direct Control							

Main Document Reference				Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
Complete /Ongoing	Chapter	Section	Sub-section								
	County-Wide	Transportation		44. Trial low emission forms of transport, such as electric buses, bikes and electric scooters.	Short	Direct Control	Extension of the electric scooter trial until May 2024	Mar-22	Monthly savings of ~28.9tCO2e	Summer 2023	~346.8 tCO2e saved over 12 months
							Completed the introduction of County's first e-bike rental scheme along the Waddesdon Greenway	Mar-21	Bikes were hired 3,552 times and covered a total distance of 33,995 kilometres	Dec-21	
							'Demand responsive transport' (DRT) bus service launched in the High Wycombe area	27/09/2022			
	County-Wide	Transportation		45. Investigate the feasibility of introducing Low Emission Zones.	Short	Direct Control	Marlow Low Emission Zone Study - Air Quality Assessment produced	Jul-21	A range of measures were considered but it was concluded that the introduction of a LEZ would most likely be too costly and not publicly acceptable to take forward for further investigation	Jan-22	
	County-Wide	Transportation		46. Reduce unnecessary travel by encouraging regular home working patterns and supporting initiatives that facilitate remote working.	Short	Enabling Change	Work Smart programme introduced – reducing the time 'any desk' employees must be in the office to 40% of their working week	Oct. 2021 to present		Ongoing	
	County-Wide	Transportation		47. Improve traffic management technology on the highway network where practicable to reduce congestion and support more efficient driving.	Long	Enabling Change	Bid to Department for Transport (DfT) to upgrade traffic signals at Stoke Road Gyratory to reduce congestion	07/05/2021	Successful bid outcome - £500,000 awarded	13/08/2021	
							Upgrades to Stoke Road Gyratory completed	October 2022 – March 2023	Reduced emissions due to improved traffic flows and reductions in congestion.		
	County-Wide	Buildings and Developments		48. Work with neighbouring local authorities and England's Economic Heartland to reduce air pollution impacts from cross-border and major transport hub developments.	Short	Inform & Influence					
	County-Wide	Buildings and Developments		49. Produce a Technical Advice Note (TAN) on addressing climate change in new developments.	Short	Direct Control	Sustainable Development TAN exploration	19/05/2021			
	County-Wide	Buildings and Developments		50. Use opportunities coming out of revisions to national planning policy to enhance environmentally sustainable aspects of developments.	Short	Direct Control	Climate Response Team has responded to 30 planning consultations over from Oct. '22 to Sep. '23.		Robust conditioning applied to development applications using established and emerging climate change and sustainability policies within the local planning policy framework across Buckinghamshire.		

		Main Document Reference									
Complete /Ongoing	Chapter	Section	Sub-section	Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
	County-Wide	Developments		50. Use opportunities coming out of revisions to national planning policy to enhance environmentally sustainable aspects of developments.	Short	Direct Control	Climate Response Officers attended and commented at Luton Rising DCO: Issue Specific Hearing 2 (Climate Change & Greenhouse Gases)	27/09/2023	Comments and action points submitted.		
							Clarification comments on Climate Change & Greenhouse Gases submitted to Deadline 3 of Luton Rising DCO	October '23	Comments submitted.		
							Submissions made in relation to Climate Change & Greenhouse Gases for Deadline 5 of Luton Rising DCO.	November '23	Comments on Climate Change & GHG Emissions submitted.		
							Climate Change comments included in BC consultation response to Beaconsfield Neighbourhood Plan	November '23			
							Climate change comments included in BC consultation on Drayton Parslow Neighbourhood Plan	November '23			
							Climate change comments issued on Planning Application 23/02180/AOP, "Shenley Park".	November '23	Two conditions recommended, requiring 10% of energy need to be met from renewable or low carbon sources.		
	County-Wide	Buildings and Developments	Historic Environment	51. Explore means to protect heritage assets from, and use them to address, climate change and poor air quality.	Long	Enabling Change	Advice provided to Environmental Specialists with regard to accounting for embodied carbon within planning consultation requests.	2023			
	County-Wide	Buildings and Developments	Housing	52. Support registered social housing providers' implementation of sustainable energy and climate change adaptation initiatives in their stock.	Long	Enabling Change	Fairhive have been successful in gaining funding from the Social Housing Decarbonisation Fund. They have received a total of £2.8 million to be spent over a period of two years, with 40 per cent of the funding to be spent during the first year. Fairhive have match funded the SDHF monies, so the total contract over the two year period is around £8 million.	2023			
							L&Q have been successful with the Social Housing Decarbonisation Fund. They have been awarded a total of £27 million across all their housing stock to improve energy efficiency. L&Q will be contributing 60% of the funding to bring the budget for this work up to £60 million. This funding covers the two year period up to March 2025.	2023			
							Red Kite has been successful in making a bid to the Social Housing Decarbonisation Fund. This was announced in March 2023. A total of £4.2 million has been awarded to fund the work.	2023			
	County-Wide	Buildings and Developments	Housing	53. Promote opportunities for residents to improve their homes to help them mitigate and/or adapt to climate change and poor air quality.	Short	Enabling Change	GHGLAD 1b Consortium bid submitted (led by Watford Borough Council)	2020	£1m awarded for energy performance retrofits to approx. 100 properties (primarily park homes)		
							GHGLAD1B	April 2021 to June 2022	91 properties retrofitted with energy efficiency measures under GHGLAD1b	Aug-22	
							Green Homes Grant promoted via a press release	07/10/2022	Bucks Herald news item	07/10/2022	
							Bucks Solar Together launched and promoted	09/05/2022			
							Letters sent to 151.340 addresses regarding the Solar Together opportunity	23/05/2022	6,990 registrations to the scheme	11/07/2022	

		Main Document Reference									
Complete /Ongoing	Chapter	Section	Sub-section	Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
	County-Wide	Developments	Housing	53. Promote opportunities for residents to improve their homes to help them mitigate and/or adapt to climate change and poor air quality.	Short	Change	5,356 solar PV panels installed across Buckinghamshire through Solar Together Scheme.	2022/23	2.1MW of new low carbon generating capacity in Bucks.	2023	Up to 9,600 tCO2e over 25 years
							261 retrofit measures installed across 203 homes through the Sustainable Warmth Scheme.	2022/23		2023	Over 250tCO2e per annum
							Energy Doctor scheme, Active Travel map and school active travel plans promoted in Council's inaugural Climate Change Newsletter.	05/05/2023			
							New 'Energy Doctor' scheme using £1.9m from the UK Shared Prosperity Fund launched, providing advice on energy saving measures to qualifying households.	Aug. '23			
							£576k secured through HUG2 to upgrade 30 homes not connected to the gas grid with insulation, energy efficiency and low carbon heating measures.	March '23	Funding for energy efficiency upgrades for 30 homes.	2025	
							Energy Doctors attended Community Action Days across Opportunity Bucks areas	Sep. to Oct. 2023			
	County-Wide	Economy and Skills		54. Encourage the use of recycled, biodegradable, and/or recyclable materials in products.	Short	Inform & Influence	Bucks Zero Waste Map published that shows all the shops, recycling points and businesses in Buckinghamshire that can help people reduce their waste.	09/09/2020			
	County-Wide	Economy and Skills		55. Support the development of the green economy in Buckinghamshire.	Short	Enabling Change	Bucks Zero Waste Map published that shows all the shops, recycling points and businesses in Buckinghamshire that can help people reduce their waste.	09/09/2020			
							Buckinghamshire Council engaged with Scottish & Southern Electricity Networks (SSEN) Distribution Future Energy Scenarios (DFES) 2022 stakeholder engagement activities.	2022 Q4	Evidence provided to SSEN to support accurate forecasting of electricity demand requirements for heat pump and EVCI uptake and enable future green growth in the SSEN network area (Chiltern & South Bucks).		
							Participated in UK Power Networks (UKPN) 2022 Regional Engagement session for Buckinghamshire.	Sep. 2022	Evidence provided to UKPN to support accurate forecasting of electricity demand requirements for heat pump and EVCI uptake and enable future green growth in the UKPN network area (Aylesbury Vale).		

Main Document Reference				Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
Complete /Ongoing	Chapter	Section	Sub-section								
	County-Wide	Economy and Skills		55. Support the development of the green economy in Buckinghamshire.	Short	Change	Buckinghamshire Council engaged with National Grid Distribution (Formerly WPD) Scottish & Southern Electricity Networks (SSEN) Distribution Future Energy Scenarios (DFES) 2023 stakeholder engagement activities.	October '22	Evidence provided to SSEN to support accurate forecasting of electricity demand requirements for heat pump and EVCI uptake and enable future green growth in the SSEN network area (Chiltern & South Bucks).		
							Buckinghamshire Council engaged with Scottish & Southern Electricity Networks (SSEN) Distribution Future Energy Scenarios (DFES) 2023 stakeholder engagement activities.	2023	Evidence provided to SSEN to support accurate forecasting of electricity demand requirements for heat pump and EVCI uptake and enable future green growth in the SSEN network area (Chiltern & South Bucks).		
							Buckinghamshire Council engaged with UK Power Networks Distribution Future Energy Scenarios 2023 stakeholder engagement activities.	October '23	Evidence provided to UKPN to support accurate forecasting of electricity demand requirements for heat pump and EVCI uptake and enable future green growth in the UKPN network area (Aylesbury Vale).		
	County-Wide	Economy and Skills		56. Promote initiatives to reduce emissions from the private and third sector in Buckinghamshire.	Medium	Enabling Change	Defra Air Quality Grant bid to undertake a campaign with 30 large employers in Bucks to accelerate the mode shift to electric vehicles and e-bikes	14/10/2020	Successful bid outcome - £97,900 awarded	09/03/2021	
							Promotion of the following grant schemes to Community Boards:				
							Rural Community Development Fund	04/12/2020			
							The Greening Campaign	04/12/2020			
							HS2 Community and Environment Fund	05/03/2021			
							The Tree Council Branching Out Fund	08/10/2020			
							Funding for Woodland Creation	22/03/2021			
							Urban Tree Challenge Fund	30/06/2021			
							Veolia Environmental Trust Grants	16/08/2021			
							Gawcott Solar C.I.C.'s Bee Green Grant Fund	16/08/2021			

Complete /Ongoing	Main Document Reference			Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
	Chapter	Section	Sub-section								
	County-Wide	Economy and Skills		56. Promote initiatives to reduce emissions from the private and third sector in Buckinghamshire.	Medium	Enabling Change	Funding from Heart of Bucks	16/08/2021			
							Bucks Solar Together advertised on the Low Carbon Workspaces website and promoted in an e-shot to businesses from Low Carbon Workspaces	26/05/2022			
							£250 vouchers offer to businesses by Visit Buckinghamshire to reduce their carbon footprint promoted in an e-shot	09/06/2022			
							Promotion of Clean Air Day Networking Lunch	10/06/2022			
							Clean Air Day Event held in conjunction with Bucks Business First, Global Action Plan and the University of Buckingham for local businesses	16/06/2022	Over 35 local business attended the event and were provided with an update on the support available for businesses adopting electric vehicles and creating low-carbon workspaces Since 2017 200 businesses in Buckinghamshire have been assisted by Low Carbon Workspaces scheme (with Buckinghamshire have been assisted by Low Carbon Workspaces scheme £589,546 in grant funding) leading to £394,337 energy cost savings per year.	16/06/2022	
							Low Carbon Workspaces has closed after allocating £3.3m in funding to over 900 projects across Beds, Hearts, Bucks, Berkshire & Northamptonshire.	2023	5,000 tCO2e per annum saved across 900 projects		5,000 tCO2e per annum
							Car Free Day 2023 promoted across the Council's social media channels.	18th - 22nd Sep. 2023	Posts across Facebook, Twitter, LinkedIn & Instagram led to 3,591 impressions and 79 engagements with the material.		

Main Document Reference				Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
Complete /Ongoing	Chapter	Section	Sub-section								
	County-Wide	Environment, Land and Water		57. Work with the Environment Agency and other partners to minimise the risk of flooding and improve community flood resilience.	Short	Direct Control	Projects ongoing with Environment Agency support and funding in Marlow (Newt Ditch) ^[66] , Pednormead End ^[67] (Chesham) and Willows estate in Aylesbury. Feasibility studies to determine if there are viable options for a business case in Sands (High Wycombe), Hughenden, (High Wycombe), West Marlow, Gawcott and Tingewick. Ongoing Natural Flood Management projects are ongoing in and around Buckingham, and Winslow areas.	Through 22/23 and forward until 2026			
	County-Wide	Environment, Land and Water		58. Support the provision of advice and resources to encourage water saving.	Short	Inform & Influence	AWorld app promoted by the Council	22/04/2022	1.11m litres of water and 5346 kWhs of electricity have been saved so far as a result of environmentally friendly actions taken and recorded on the app.	Aug-22	14,466 kgs of CO2 saved to date
							'Buckinghamshire Council does its bit to save water during the hosepipe ban' press release	24/08/2022			
							The Council "Energy Doctor" service is extended to include water saving devices.	26/10/2023	Service now offers shower timers, water savings shower heads and water displacement bags for dual-flush toilets.	Ongoing	
	County-Wide	Health and Communications		59. Raise public awareness of climate change, and indoor and outdoor air quality.	Short	Inform & Influence	EOI Bid to the Greater South East Energy Hub to hold a COP26 transport decarbonisation event	27/08/2021	Bid successful - £28,500 secured to run an event at Lunaz's facility in Silverstone on 10/11/2021 which will be live-streamed	10/09/2021	
							COP26 event "Green Wheels in Motion" held promoting solutions for the decarbonisation of transport.	2021	'Green Wheels in Motion' event	10/11/2021	
							Defra Air Quality Grant bid includes a project to provide Community Boards and schools with materials (toolkits) to enable them to carry out campaigns and to raise awareness of local air quality issues.	08/10/2021	Successful bid outcome - £91,273 awarded.	09/03/2022	
							Council Energy and Climate Change webpages updated	28/02/2022			
							Bucks' Climate Challenge webpage goes live	11/03/2022			

Main Document Reference				Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
Complete /Ongoing	Chapter	Section	Sub-section								
	County-Wide	Health and Communications		59. Raise public awareness of climate change, and indoor and outdoor air quality.	Short	Inform & Influence	Clean Air Day promoted in Together Now internal email	15/06/2022			
							Online video raises awareness of use of diffusion tubes for monitoring nitrogen dioxide concentrations	Oct-22			
							Online video promotes use of greener modes of transport	27/10/2022			
							Press release issued regarding COP27 and the Council's work to address climate change	16/11/2022			
							Social media campaign run during Earthday raising awareness of Council action on tree planting, EVCI, active travel and recycling.	22/04/2023	Over 25,000 impressions and 1,168 engagements across all platforms (Twitter, Facebook, Instagram).	Apr-23	
							Inaugural Climate Change newsletter issued including articles on the 22/23 tree planting season, the Project Groundwater and the launch of the Haddenham EV Hire Club.	05/05/2023			
							Second quarterly climate change newsletter issued including articles on recycling food waste, air quality toolkits, community energy and active travel in Buckinghamshire.	14/09/2023			
							Special issue climate change newsletter issued upon publication of the Council's 2022/23 Climate Change & Air Quality Strategy Annual Progress Report.	14/11/2023			
							Media campaign before and after release of Annual Climate Change & Air Quality Strategy Progress Report.	Oct. - Nov. 2023	Press coverage by 65 members of the press including ITV Meridian, BBC3CR, Greatest Hits Radio Bucks and the Bucks Herald. Residents newsletter opened by 39,212 recipients and over 150 link opens from the Climate Change Newsletter.		

Main Document Reference				Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
Complete /Ongoing	Chapter	Section	Sub-section								
							Press release issued celebrating National Tree Week by looking back at tree planting over the previous 12 months.	14/11/2023			
	County-Wide	Health and Communications		60. Encourage environmentally sustainable living via communications campaigns.	Short	Inform & Influence	Tree seed collection and germination at home encouraged via Council social media campaigns	Oct-21			
							New information on EV Charging published on the Council's website	22/12/2021			
							Council Energy and Climate Change webpages updated	28/02/2022			
							Bucks' Climate Challenge webpage goes live	11/03/2022			
							AWorld app promoted by the Council	22/04/2022	1.11m litres of water and 5346 kWhs of electricity have been saved so far as a result of environmentally friendly actions taken and recorded on the app.	Aug-22	14,466 kgs of CO2 saved to date
							'FoodCycle now offering free weekly meals to local residents' (press release)	26/07/2022			
							'Save money, enjoy the weather, and walk, scoot or cycle to school!' press release	07/09/2022			
							'Get your veg on with Grow It, Cook It, Eat It' press release	22/09/2022			
							Talk delivered at the BMKALC conference about nature based solutions to climate change highlighted the benefits of tree planting, and organic products and production methods.	25/10/2022			

Main Document Reference				Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
Complete /Ongoing	Chapter	Section	Sub-section								
	County-Wide	Health and Communications		60. Encourage environmentally sustainable living via communications campaigns.	Short	Influence	Online video raises awareness of use of diffusion tubes for monitoring nitrogen dioxide concentrations	Oct-22			
							Council produced online video promotes use of greener modes of transport	27/10/2022			
							Social media campaign run during Earthday included tips on active travel and recycling.	22/04/2023	Over 25,000 impressions and 1,168 engagements across all platforms (Twitter, Facebook, Instagram).	Apr-23	
							Inaugural Climate Change newsletter issued included an article promoting the Haddenham EV Hire Club.	05/05/2023			
							During Net Zero Week, the Council promoted Plastic Free July, the launch of an e-bike scheme and our Bronze Carbon Literacy Award.	07/07/2023	The post on the e-bike scheme received over 25,000 impressions.		
							Climate Response Team officers attended the Bucks County Show (2023), the stand included information about sustainable living.	31/08/2023			

Main Document Reference				Action	Time-frame	Sphere of Influence	Activity	Activity Date	Outcome	Outcome Date	Emission Savings
Complete /Ongoing	Chapter	Section	Sub-section								
	County-Wide	Health and Communications		60. Encourage environmentally sustainable living via communications campaigns.	Short	Influence	Climate Change Officers attended 21 community events, including 5 speaking engagements.	2023	Increased community awareness of climate change and actions that they can undertake.		
							Climate Change Officers met with 35 different climate and environmental community groups.	2022-24			