

## Appendix 4: Key Performance Indicator Framework for the Biodiversity and Climate Change Action Plan

As part of the Biodiversity and Climate Change Action Plan, the Decision-Making Processes and Governance section stipulates Action 9.3 to ‘Ensure service plans consider biodiversity and addressing climate change and performance indicators are set as needed’. The indicators outlined in this framework are for monitoring performance and progress against the Biodiversity and Climate Change Action Plan Actions and not used for target setting as these are data-led projects and subject to best practices, Government guidance, and new technologies which are all constantly changing.

A full public report outlining the progress made against MBC’s net zero target will be published on an annual basis. The key performance indicator for most projects will be the total reduction in tonnes of carbon equivalent per annum (CO2et). Please Note: many of the indicators identified in this document align with National Government and Kent County Council indicators for clear Monitoring, Evaluation and Learning (MEL) comparisons and county wide measurements. Additionally, some indicators listed are out of the Councils direct control and are used to monitor changes in public behaviour, changes in markets, and changing technologies. Other indicators are scientifically based and rely on specialised equipment or knowledge - the monitoring of these indicators are subject to budget availability. Quarterly update reports highlighting particular achievements against work packages will be highlighted to council members. Case studies, best practices and achievements will also be shared with the public by identifying the most appropriate ways to share progress with our communities.

The table of key indicators correspond to specific Actions in the Biodiversity and Climate Change Action Plan, and outlines the indicator, baseline, calculations, data sources and the frequency progress will be monitored.

Action	Indicator	Definition (How is it Calculated?)	Baseline (Value)	Target (Target Value)	Data Source (How will it be measured?)	Frequency (How often will it be measured?)	Responsible (Who will measure?)	Reporting (Where will it be reported?)	Notes
<p>1. MBC Estate Carbon Reduction to Net Zero by 2030</p> <p>Action 7.1 and 7.2</p> <p><i>Scope 1 is direct greenhouse gas emissions from sources owned or controlled by the local authority, for example emissions from boilers. Councils have direct control over these emissions.</i></p>	<p>a. Overall Reduction in Energy (Gas/Electricity) Usage at MBC directly managed, priority buildings</p> <p>Including:</p> <ul style="list-style-type: none"> <li>• Maidstone House and Link</li> <li>• Maidstone Museum</li> <li>• Depot</li> <li>• Crematorium</li> <li>• Town Hall</li> <li>• Market Hall (Lockmeadow Market)</li> <li>• Cobtree Manor Park Visitors Centre</li> <li>• Cemetery</li> <li>• Heather House</li> <li>• Carriage Museum</li> <li>• Archbishops Palace</li> <li>• Archbishops Palace Gate House</li> <li>• Maidstone Innovation Centre</li> </ul>	<p>Still to be Defined, subject to data from Laser Energy and upgrades needed to MBC meters</p> <p>Calculated in KWH and CO2e</p>	<p>Carbon Trust 2020 Report</p> <p>Council operated buildings make up a significant proportion of the Council’s footprint, together totalling 473 tCO2e, approximately 11% of total measured emissions</p>	<p>Net Zero by 2030</p>	<p>Laser automated Energy data</p> <p>Automated meter readings (pending instillation in 2022)</p> <p>Energy Bills and Costs</p>	<p>Monthly building averages</p> <p>Quarterly CO2e comparisons</p> <p>Annual Carbon Footprint</p>	<p>Laser Energy</p> <p>Update to MBC dashboard will be automated</p> <p>Overall responsibility MBC Biodiversity and Climate Change Manager</p>	<p>Options: Data compiled in database by Laser and shared monthly or automated into dashboard system<sup>1</sup></p> <p>A Public automated dashboard will be available on the MBC website with corresponding CO2 reductions</p> <p>Annual report</p>	<p>Inputs:</p> <ul style="list-style-type: none"> <li>• Feasibility Study to Decarbonise Buildings</li> <li>• Upgrades to Building heating and insulation</li> </ul> <p>Activities:</p> <ul style="list-style-type: none"> <li>• Staff training on energy efficiency</li> </ul> <p>Short-term Outcomes:</p> <ul style="list-style-type: none"> <li>• Savings in energy and costs</li> <li>• Change in energy usage</li> <li>• Reductions in co2</li> </ul> <p>Long-term Outcomes:</p> <p>Net Zero by 2030</p>

<sup>1</sup> Internally the use of the Local Government Association (LGA) Carbon Calculator using monthly gas/electricity readings cannot be completed due to incomplete and manually recorded data records of energy/electricity readings from MBC buildings. Recommended to upgrade all buildings meters to automatic so that data can be collected live. Live automated data would enable much closer analysis of daily energy usage which would help pinpoint inefficient electrical devices and maybe useful in public buildings such as the museum to reduce energy usage at certain times of day when less people are at the museum.

Action	Indicator	Definition (How is it Calculated?)	Baseline (Value)	Target (Target Value)	Data Source (How will it be measured?)	Frequency (How often will it be measured?)	Responsible (Who will measure?)	Reporting (Where will it be reported?)	Notes
<p>2. Buy 100% renewable energy for our buildings and operations where we control the supply</p> <p>Action 7.3</p> <p><i>Scope 2 accounts for emissions of purchased electricity consumed by the local authority. Councils can impact their Scope 2 emissions by choosing to purchase low carbon electricity.</i></p>	Percentage shift and proportion of MBC estate on renewable energy supply	Percentage of energy supplied by renewable sources	<p>Fuel mix for MBC estate 1 April 2020 to 31 March 2021</p> <p>Renewable 31.9% Coal: 4.2% Natural Gas: 52.6% Nuclear 6.9% Other 4.4%</p> <p>CO2 emissions 227g/kWh</p> <p>Radioactive waste: 0.0005 g/kWh</p>	100% renewable energy 2023	Npower and National Grid	Annually	Laser Energy	Annual report	<p>Inputs:</p> <ul style="list-style-type: none"> <li>Laser to devise road map to 100% renewable options</li> <li>Change of suppliers maybe required</li> </ul>
<p>3. MBC Fleet Carbon Reduction</p> <p>Action 7.1</p> <p><i>Scope 1 is direct greenhouse gas emissions from sources owned or controlled by the local authority, for example emissions from vehicles. Councils have direct control over these emissions.</i></p>	a. Reduction in CO2e from MBC directly operated Fleet	<p>Decrease in litres of petrol diesel</p> <p>Decrease in millage</p>	<p>Carbon Trust 2020 Report</p> <p>fuel consumption totalling 480 tCO2e, accounting for approximately 11% of the Council's footprint</p>	Net Zero by 2030	<p>Telematics Data</p> <p>Depot fuel usage data / milage per vehicle</p>	Monthly	<p>Depot Manager</p> <p>Environment &amp; Public Realm Team</p>	<p>Annual Report</p> <p>Annual Carbon Footprint</p> <p>Public facing Dashboard</p>	<p>Inputs:</p> <ul style="list-style-type: none"> <li>Feasibility Study completed November 2021</li> <li>New Sub-Station to increase Depot electricity capacity for full EV fleet</li> </ul>
	b. Increase in number of Electric Vehicles operated by MBC	<p>Measures of cost effectiveness</p> <p>Reduction in fossil fuels</p> <p>Fuels Costs saved</p>	<p>Carbon Trust 2020 Report</p> <p>Fuel consumption totalling 480 tCO2e</p>	<p>Net Zero by 2030</p> <p>Green Fleet by 2030</p>	<p>Depot vehicle list</p> <p>Depot fuel usage data / milage per vehicle</p>	Biannually	<p>Depot Manger</p> <p>Environment &amp; Public Realm Team</p>	Annual Report	
<p>4. Borough Wide Carbon Reductions</p> <p>Actions 2.1 through to 2.6</p>	a. Improvement in Borough wide Air Quality	Improvement in Air Pollution Banding <a href="#">Value</a>	Kent State of the Environment Report: Air Quality Update 2020	Net Zero by 2050	<p>Air Quality Index (AQI)</p> <p>Allied Quality Assurance Publications (<a href="#">AQAP</a>)</p>	Quarterly	Senior Scientific Officer	<p>Annual Report</p> <p>Low Emission Strategy Update</p>	<p>Inputs:</p> <ul style="list-style-type: none"> <li>Launch Anti-idling campaign 2022</li> </ul>
	b. Number of Borough Electric Vehicle Charging Points	Increase of Number of Borough Electric Vehicle Charging Points		Net Zero by 2050	<p>Parking services</p> <p><a href="#">Zap Map</a></p>	Annually	Biodiversity and climate change Manager	<p>Annual Report</p> <p>EV strategy 2022</p>	

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5. Adaptation to Climate Change  Actions 5.1 through to 5.8	a. Sustainable Policies adopted as part of local plan review	Number of sustainable standards, climate aware and biodiversity enhancing practices adopted in Local Plan 2024	Local Plan 2020	NA	Local Plan 2024	Annually	Biodiversity and climate change Manager	Annual Report	
6. Enhance and Increase Biodiversity <sup>2</sup>  Actions 6.1 through to 6.13	a. Increase in Forest area as a proportion of total land area <sup>3</sup> and Protected, restored existing trees, hedgerow and woodland, whilst increasing the county's tree cover with the right trees in the right places, which supports the recovery of wildlife, delivers natural climate solutions and enriches people's lives	Increase in number of trees planted  Number of trees approximate within 1000 taking into account 30% die back rate	Maidstone has 16% forest coverage 2021  Area: 39,342 ha Maidstone is 10.5% of Kent Kent is 373,476ha UK is 24,853,526ha Kent is 1.54% of the UK. Kents' share of Govt/CCC 30,000ha pa target is 453 ha pa Kent 2050 canopy cover target a 2% increase to 19%, Kent is 373,600 ha, 2% is 7,472 ha Planting at 453 ha pa; 16 years to hit our 2% ACC target of 7,472 ha 453 ha pa is approx. 700,000 trees pa. (1,500 trees per ha) Kent tree target: 1.5mil, planting at 1,000-1,500 trees p ha, is at least 1,000 ha – 1,500 ha up to 453ha per annum across Kent and maintain that rate for 16-17 years until 2050.	KCC members opportunity; target 350 trees per division/ward, over 4-year term; 28,350 trees  Queens Green Canopy Project a tree for every child in care (1700)  A tree for every staff at MBC  Kent 2050 canopy cover target a 2% increase to 19%  MBC estate Tree coverage: 2/3 of owned asset suitable land	MBC  KCC	Annually	Biodiversity and climate change Manager  Parks and Open Spaces Team  Woodland Trust	Annual Report	
	b. Percentage of forest cover loss	Proportion of forest cover/green field sites land change for development	Maidstone has 16% forest coverage 2021  Greenfield/agriculture land change baseline to be established	NA	GIS mapping	Annually	Biodiversity and climate change Manager	Annual Report	

<sup>2</sup> [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/926056/England\\_biodiversity\\_indicators\\_2020\\_REVISED.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/926056/England_biodiversity_indicators_2020_REVISED.pdf) and <https://www.gov.uk/government/statistical-data-sets/env09-england-biodiversity-indicators>

<sup>3</sup> Indicator in keeping with POST-2020 GLOBAL BIODIVERSITY FRAMEWORK <https://www.cbd.int/doc/c/82d2/ceb/13ebbf343d79abb69ae2119a/sbstta-24-03-add1-en.pdf>

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	c. Increase in Community projects engaged (tree/rewild/wetland ect)	Number of community group projects supported  £ subsidies, grants given	Baseline to be established	NA	MBC records	Annually	Biodiversity and climate change Manager	Annual Report	
	d. Quantity of CO2 sequestered	CO <sub>2</sub> Equiv (kT) Sequestered annually in trees, wetlands, peat, rewilding ect	Baseline to be established	Net Zero by 2030	MBC records	Annually	Biodiversity and climate change Manager	Annual Report  Public facing dashboard	
7. Public Awareness and Engagement on Climate and Biodiversity issues  Actions 8.1 through to 8.8	Increase in engagement events  Increase in number of public engaging on climate and biodiversity issues	Number of Volunteers, Attendees to MBC engagement events  Coverage of formal processes for ensuring that women, local communities and youth are engaged	NA	One event per month minimum facilitated by MBC directly	MBC records	Annually	Biodiversity and climate change Manager	Annual Report  Public facing dashboard	
8. MBC Procurement reduction in Carbon by suppliers and contracts  <i>Scope 3 includes indirect emissions from wider supply chains (often reaching international jurisdictions), emissions from the use of local authority services, contracted out services and investments. Councils will have a strong influence over some of these emissions (eg contracted out services and investments) and less over others. (See Cheshire East case study in the Procurement &amp; Commissioning section for more details.)</i>  Action 9.6	a. Number of policies / standards enacted to reduce carbon in MBC contracts	Number of sustainable procurement policies adopted  Number of contracts with sustainable standard included as standard  Decrease in CO <sub>2</sub> e from suppliers and contractors employed by MBC	NA	NA	MBC	Annually	Procurement team	Internal monitoring  Annual Report	