

Carbon Reduction Emissions 'Budget'

APPENDIX A

Service Area	Summary of activity to achieve reductions	2009/10 Baseline emissions Tonnes	2018/19 Actual emissions Tonnes	2019/20 Actual emissions Tonnes	2020/21 Original Target emissions @ 45% reduction Tonnes from the 2009/10 baseline	2020/21 Predicted emission Tonnes	Proposed 2021/22 Budget	2024/25 Original Target emissions @ 50% reduction Tonnes from the 2009/10 baseline	2030 Target Emissions net zero carbon 'Budget'
Corporate Properties	<p>Projects include:</p> <ul style="list-style-type: none"> - Review of use of buildings and disposal (with consideration of age, efficiency and suitability of use) - Improvements in energy management and energy efficiency-e.g. insulation, higher efficiency appliances; - Projects-e.g. LED lighting installation, - linking of properties to town centre heat network, - Switching to low/zero carbon fuels e.g. zero carbon electricity tariffs. - Reduction in carbon emissions as a result of using grid electricity, now emitting about 20% less carbon than in 2009/10. <p>2021/22 budget set on 2% reduction per year to achieve 2024/25 target. 2030 Target is based on the expected reductions as a result of national changes in carbon emitted from the electricity grid.</p>	8,430	5,063	5,128	N/A	4,810	4,665	N/A	1,789
Street Lighting	<p>Progress is driven by the Street Lighting Strategy, i.e. the replacement with high efficiency LED bulbs. Further projects include;</p> <p>Concluding the roll out of LED replacement, De-illumination of bollards and other signage not required to be lit As of Oct 2020, Street Lighting will be on a zero carbon tariff. 2030 Target is based on remaining on a zero carbon tariff.</p>	7,313	2,472	1,990	N/A	888	0	N/A	0
Strategic Environment Contract	<p>Progress will result from large changes, in particular, the change in delivery partner will see a large investment in new efficient collection vehicles , and other more incremental operational changes such reducing distance hauled, and smaller changes such as investment in replacing support (van) fleet. 2021/22 budget set to not exceed current levels - rendering in progress and this will include new low carbon technology. 2030 Target is based upon historic progress in efficiency of vehicles and anticipated decarbonisation of transport, with an assumption that 'hybrid' technology will be widespread in 2030, and that services changes will also deliver reductions.</p>	2,981	1,959	1,996	N/A	1,959	1,959	N/A	1,371
Other services representing remaining 10%	<p>2021/22 target set as unchanged. Currently the data is poor and further development of data collection and then target setting is required. This is not to say there is no progress on carbon reduction, with both projects being undertaken by SMBC e.g. the consideration of low emissions vehicle for both SMBC and partner fleets. 2030 Target is based upon historic progress in efficiency of vehicles and anticipated decarbonisation of transport, with an assumption that 'hybrid' technology will be widespread in 2030.</p>	1,200	1,200	1,200	N/A	1,200	1,200	N/A	840
Further options to be identified for delivery in future years	<p>Potential projects to be considered for delivery:</p> <ul style="list-style-type: none"> - connection to heat network; - review of how the Strategic Environment Contract is delivered, including specifying 'ultra low emission vehicles' on next contract; - develop plan to ensure property portfolio is 'low carbon' through the Landlord Model, including developing future proof low carbon retrofit policies; - develop plan to exploit the opportunities from renewable energy generation; - develop external opportunities in the borough and wider region e.g. opportunities to work with partners to support hydrogen use. - develop offsetting strategy, including how we can use offsetting within the borough (e.g. tree planting) and other methods (e.g. from SMBC partnership in the Coventry and Solihull Waste Disposal Company and any credits it generates from 'avoided' emissions as a result of diverting from landfill). - develop own sequestration strategy, potentially including large scale tree planting and other natural methods such as soil restoration (meadow/wetland restoration/non-intensive farming methods) 								(4,000)
Total Carbon Emissions		19,924	10,694	10,314	10,958	8,857	7,824	9,962	0