

Service Area	Summary of activity to achieve reductions	2009/10 Baseline emissions Tonnes	Latest 2018/19 emissions Tonnes	2020/21 Target emissions @ 45% reduction Tonnes	2020/21 Predicted emission Tonnes	2024/25 Target emissions @ 50% reduction Tonnes	2024/25 Predicted emissions Tonnes	2024/25 Predicted % reduction	2030 Target Emissions net zero carbon 'Budget'
Corporate Properties	Project that have delivered reductions to 2018/19 include: - Improvements in energy management and energy efficiency-e.g. insulation, higher efficiency appliances; - Projects-e.g. replacement of cremators, LED lighting installation, - Combined Heat and Power (CHP) installation at the leisure centres; - Changes in the property portfolio; - Reduction in carbon emissions as a result of using grid electricity, now emitting about 20% less carbon than in 2009/10. 2030 Target is based on the expected reductions as a result of national changes in carbon emitted from the electricity grid.	8,430	5,063	4,636	4,810	4,215	4,810	43%	1,789
Street Lighting	Progress to date has been driven by the Street Lighting Strategy, i.e. the replacement with high efficiency LED bulbs. This has been successful in reducing energy by 33% and therefore carbon emissions since 2014, and will be completed by 2020. 2030 Target is based on the expected reductions as a result of national changes in carbon emitted from the electricity grid.	7,313	2,472	4,022	1,775	3,657	1,775	76%	647
Strategic Environment Contract	Progress to date has been driven by a number of actions, from large investment in new efficient collection vehicles and operational changes such reducing distance hauled, to smaller changes such as investment in replacing support (van) fleet. 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.	2,981	1,959	1,640	1,959	1,491	1,959	34%	1,371
Other services representing remaining 10%	The emissions from these services are largely from vehicles e.g. SMBC fleet and partners fleets. Progress to date is difficult to assess due to the robustness and consistency in the methods of data collection for the baseline (which has been developed and revised for the previous three emitters.) Data on performance and information on activity to reduce emissions is part of the plans for the next ten years. 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.	1,200	1,200	660	1,200	600	1,200	0%	840
Further options to be identified for delivery in future years	Potential projects to be considered for delivery: - connection to heat network; - review of how the Strategic Waste Contract is delivered, including specifying 'ultra low emission vehicles' on next contract; - 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); - review of further options for delivery of street lighting; - 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.								(4,647)
Total Carbon Emissions		19,924	10,694	10,958	9,744	9,963	9,744	51%	0

Note: Coventry and Solihull Waste Disposal Company (CSWDC) operates an energy from waste plant, with Solihull Council being a 33% shareholder. Consideration of any carbon credit that the recovery of energy from Solihull's waste creates through the incinerator, compared with landfilling it, could be treated as an offset and further investigation is needed in order to apply this offset against the Council's emission.