Explanatory Notes to the Data on BWCE Renewable Energy Generation

All CO_2 figures are in tonnes of CO_2 equivalent (CO_2e), meaning that they take into account global heating potential of all greenhouse gases, but expressed in terms of the global heating potential of one unit of CO_2.

Data assumptions on electricity demand during period from a number of typical homes
Assumes 2,900 kWh per year consumed by a typical home without electric storage heaters. From Ofgem https://www.ofgem.gov.uk/gas/retail-market/monitoring-data-and-statistics/typical-domestic-consumption-values.

Data assumptions on tonnes CO_2e
Assumes 0.21107 kgCO$_2$e/kWh generated. Includes losses from transmission and distribution. From https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022.

Data assumptions on number of journeys from Bath to Edinburgh via train
Assumes 0.03549 kgCO$_2$e/passenger km for national rail travel. From https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022.

Data assumptions on money retained in the local area
Assumes that approximately 35% of BWCE's annual income is retained locally and is spread pro rata across the year in line with the level of generation in the year to date. Within a traditional commercial project, it is assumed that virtually all project income is exported out of the area.