

Refresh of the Climate Emergency Action Plan and Climate Emergency Declaration: PES/473

Appendix E: Estimated financial cost of reducing CBC direct emissions.

Category of spend	Proposed activity	Emissions reduction	Comment
Revenue	Data and behaviour change (Climate change training, smart utility meters, vehicle telematics)	10%	Data acquisition and analysis are essential first step.
	Fleet decarbonisation (initial use of bio-fuels such as Hydro-treated Vegetable Oil and EV procurement)	10%	HVO costs £70k per year, assume transition takes place in 2025.
Capital	Efficiency improvements (insulation of buildings, LED lighting, building controls)	15%	Fabric first approach recognised as good practice and essential alongside heat decarbonisation.
	Expansion and decarbonisation of Town Centre District Heat Network	10%	Expect private sector investment.
	Decarbonisation of heat at K2 Crawley	20%	Grant funding likely to be available, should result in lower operating costs.
	Electrification of heat across CBC estate (top 10 biggest emitters)	20%	Grant funding likely to be available, should result in lower operating costs.
	Local solar generation and battery storage (1MW across multiple rooftops)	5%	High capital cost but also an opportunity for long-term revenue generation (<8-year payback).
Total emissions reduction		90%	70% grant funding should be available for capital expenditure (PSDS etc).

Estimated cost of these projects is £18,600,000, of which the Council will need to contribute up to £2,700,000. Additional funds will come from grant funding schemes such as the Public Sector Decarbonisation Scheme, and private sector investment.