

Appendix B: Further information on finance implications of the proposed projects under the Green Horizon programme.

Below is a table that details the major projects that have been devised by the sustainability and climate change team. These projects include:

- Switching to HVO biodiesel
- Switching to 100% green electricity tariff
- Transitioning to 100% electric vehicle fleets
- Carbon offsetting through tree planting strategy
- Carbon sink of the biodiversity owned by SBC calculated
- Gas reduction projects through behavior changes

Action	Capital Investment	5 Year Cost	Carbon Reduction (tCO ₂ e)	Value (kgCO ₂ e/£)	tCO ₂ e Left
End 2024	0	£0.00	0	0	1394.36
HVO	£130,000.00	£290,000.00	673.53	2.32	720.83
100% Green Electricity Tariff	£75,000.00	£350,000.00	347.12	0.99	373.72
EV Transition	£1,230,000.00	£1,230,000.00	0.55	0.00	720.29
Carbon Offsetting*	£30,000.00	£150,000.00	59.83	0.40	660.46
Spelthorne Carbon Sink	£60,000.00	£60,000.00	307.65	5.13	352.81
Gas Reduction		0	124.08	0.00	228.72
Remaining			-135.80		
Total Savings			1512.76		
Total Carbon Footprint			1376.96		

Below is a graph showing the carbon reduction of each project suggested under the programme. Additionally, it shows that Spelthorne Borough Council will become carbon negative, as seen in the green section.

