

Carbon Saving Opportunity Savings Database (example only)

Measure Number	Recommendation/ Options	Capital Cost (£)	Efficiency Improvement %	Additional power (MW)	Annual Energy Saving (MWh) or equivalent	Value of Energy Generated (£)*	Value of Energy Savings (£)**	Annual CO2 Saving (Tonnes)	kg CO2/ tonne of waste	Simple Payback period
1	Improve thermal efficiency through base case air pre-heat at design stage	1,500,000	0.94	0.45	n/a	136,800	n/a	1,814	12.09	11
2	Improve thermal efficiency through base case air plus ACC to 80 mbar at design stage	460,000	0.48	0.23	n/a	69,920	n/a	927	6	7
3	Improve thermal efficiency through base case plus condensate reheater at design stage	180,000	0.17	0.08	n/a	24,320	n/a	322	2	8
4	Improve thermal efficiency through base case plus expanded economiser at design stage	1,600,000	0.44	0.21	n/a	63,840	n/a	846	6	25
5	Safed training for RCV drivers	10,000	3.00	n/a	n/a	n/a	n/a	44	0	n/a
6	Carbon awareness training for all operators and staff	3,000	1.00	n/a	n/a	n/a	n/a	76	4	n/a
7	Renewables wind@ 1.5 MW @ 26% load (NEG Mircon)	1,200,000	n/a	1.50	3,416	184,464	184,464	1,721	11	7
8	Solar power	400,000	n/a	0.10	75	4,050	4,050	38	0.00	99
9	Ground source heat pumps	25,000	n/a	0.10	15	570	570	8	0	44
10	Biodiesel blended	TBC	n/a	n/a	n/a	n/a	n/a	87	1	1
11	Carbon Capture		To be developed							
12	Total CO2e potential savings going forward.							2,820		
13	CO2e savings achieved through design improvements made to date on plant efficiency levels in discussion with CNIM							3,063		
14	Heat offtake from the Turbine at 10MW/th at 3.52 bar-a	n/a	n/a	2.40	19,200.0	0	1,044,096	1,461	10	n/a

