

# The Carbon Reduction Commitment

How to get the most from the CRC  
League Tables  
Recycling Repayments  
Allowance Auctions

## League Table Position

- Early Action Metric

Automatic Meter Reading

Carbon Trust Standard or Equivalent

- Absolute Metric

CRC Scheme Year	1	2	3	4	5	Five Year Average	6
Emissions (tCO <sub>2</sub> )	5000	5200	4900	4900	4800	4960	4600
Performance (% change)	Base	+4%	-3.9%	-2.6%	-4%		-7.3%

- Growth Metric

% Change in emissions per unit of Turnover

Voluntary(ish)

## League Table Weightings

	Early Action Metric	Absolute Metric	Growth Metric	Bonus or Penalty Payment
Year 1	100%	0%	0%	10%
Year 2	40%	45%	15%	20%
Year 3	20%	60%	20%	30%
Year 4	0%	75%	25%	40%
Year 5	0%	75%	25%	50%

## Recycling Repayments

A	B	C	E	F	G	H	I
Company	2010/2011 Emissions	Baseline % of Total	Position in League Table	Purchased allowances	Cost of allowances	Bonus or Penalty	Recycling Repayment
c	100	1.13%	1	90	£ 1,080	9.89%	£ 1,168
f	2000	22.60%	2	2200	£ 26,400	7.51%	£22,858
a	1000	11.30%	3	850	£ 10,200	4.12%	£11,069
h	100	1.13%	4	0	£ -	2.88%	£ 1,094
b	250	2.82%	5	270	£ 3,240	2.48%	£ 2,724
d	2700	30.51%	6	2000	£ 24,000	-0.85%	£28,459
g	200	2.26%	7	290	£ 3,480	-4.13%	£ 2,038
e	300	3.39%	8	240	£ 2,880	-4.69%	£ 3,040
j	1200	13.56%	9	900	£ 10,800	-6.39%	£11,942
i	1000	11.30%	10	1000	£ 12,000	-8.87%	£ 9,688
<b>Totals</b>	<b>8850</b>			<b>7840</b>	<b>£ 94,080</b>		<b>£94,080</b>

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## The Auction Process

**Forecast Emissions = 10,000 Tonnes**

<b>Carbon Price</b>	<b>Tonnes</b>
<b>£5</b>	
<b>£10</b>	
<b>£15</b>	
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<b>£25</b>	

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<b>£15</b>	<b>10,000</b>
<b>£20</b>	<b>9,500</b>
<b>£25</b>	<b>8,000</b>

## Building A

Lighting	Total Watts	Hours per annum	KWhpa	Cost	tCO2
1,000 T12	117,000	3250	380,250	£38,025	202
1,000 T5	36,110	3250	117,357	£11,736	62

Annual Saving = £26,289

Capital Cost = £68,140

ROI = 2.6 years

## Building B

Lighting	Total Watts	Hours per annum	KWhpa	Cost	tCO2
1,000 T12	117,000	2700	315,900	£31,590	167
1,000 T5	36,110	2700	97,497	£9,750	52

Annual Saving = £21,840

Capital Cost = £68,140

ROI = 3.1 years

Annual Phase 1 CRC Benefit = £1,380

Actual Annual Saving = £23,220

Actual ROI = 2.9 years

## Building B

Lighting	Total Watts	Hours per annum	KWhpa	Cost	tCO2
1,000 T12	117,000	2700	315,900	£31,590	167
1,000 T5	36,110	2700	97,497	£9,750	52

Annual Saving = **£21,840**

Capital Cost = £68,140

ROI = 3.1 years

Annual Phase 1 CRC Benefit = **£1,380**

Actual Annual Saving = £23,220

Actual ROI = 2.9 years

## Building C

Lighting	Total Watts	Hours per annum	KWhpa	Cost	tCO2
1,000 T8	81,000	3750	303,750	£30,375	161
1,000 T5	36,110	3750	135,412	£13,541	72

Annual Saving = £16,834

Capital Cost = £68,140

ROI = 4 years

Carbon Saving = 89 tonnes

Carbon Price Required for 3 year ROI = £66

**How Do You Get The Best From The CRC?**

**USE LESS ENERGY!**

## Thank You

Rupert Butt

Carbon Reduction Management

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