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Results of the Third Target Period Assessment

July 2007

Department for Environment, Food and Rural Affairs
Nobel House
17 Smith Square
London SW1P 3JR
Telephone 020 7238 6000
Website: www.defra.gov.uk

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ANNEX 2 – SECTOR SUMMARIES

THE SOCIETY OF BRITISH AEROSPACE COMPANIES – (SBAC)	22
ALUMINIUM (ALFED)	26
THE MASTER BAKERS (NAMB/SAMB)	30
THE BRITISH BEER & PUB ASSOCIATION (BBPA)	34
THE BRITISH CEMENT ASSOCIATION (BCA)	38
BRITISH CERAMIC CONFEDERATION NON-FLETTON BRICK SUB-SECTOR (BCC-01)	42
BRITISH CERAMIC CONFEDERATION FLETTON BRICK SUB-SECTOR (BCC-02)	46
BRITISH CERAMIC CONFEDERATION REFRACTORIES SUB-SECTOR (BCC-03)	50
BRITISH CERAMIC CONFEDERATION WHITEWARES SUB-SECTOR (BCC-04)	54
BRITISH CERAMIC CONFEDERATION MATERIALS SUB-SECTOR (BCC-05)	58
CHEMICALS (CIA)	62
DAIRY UK (DIAL)	66
THE BRITISH EGG PRODUCTS ASSOCIATION (BEPA)	70
NATIONAL FARMERS UNION (NFU) – EGG PRODUCTION	74
THE MINESCO (EURISOL) – MINERAL WOOL - EUR	78
THE FOOD & DRINK SECTOR (FDF)	82
THE FOUNDRY SECTOR - (T2010)	86
BRITISH GLASS	90
GYPSUM (GPDA)	94
THE LEATHER SECTOR – (BLC)	98
THE BRITISH LIME ASSOCIATION (BLA)	102
MALTSTERS ASSOCIATION OF GREAT BRITAIN (MAGB)	106
BRITISH POULTRY COUNCIL – POULTRY MEAT PROCESSING	110
THE RED MEAT PROCESSING SECTOR - BMPA (FORMERLY BMF)	114

CONFEDERATION OF BRITISH METALFORMING (CBM)	118
METAL PACKAGING (MPMA)	122
THE SOCIETY OF MOTOR MANUFACTURERS AND TRADERS (SMMT)	126
NATIONAL FARMERS UNION (NFU) – THE PIG INDUSTRY	130
THE NON-FERROUS METALS SECTOR (NFA)	134
CONFEDERATION OF PAPER INDUSTRIES (CPI)	138
NATIONAL FARMERS UNION (NFU) – POULTRY MEAT REARING	142
BRITISH POULTRY COUNCIL – POULTRY MEAT REARING	146
THE PRINTING SECTOR (BPIF)	150
THE UK RENDERERS ASSOCIATION (UKRA)	154
THE RUBBER (NEW TYRES) SECTOR (BTMA)	158
THE NATIONAL MICROELECTRONICS INSTITUTE (SEMICONDUCTORS) - NMI	162
THE SLAG GRINDERS SECTOR – (SGS)	166
THE SPIRITS ENERGY EFFICIENCY COMPANY (SEEC)	170
THE STEEL SECTOR – (UKSEL)	174
SUPERMARKETS (FDFS)	178
SURFACE ENGINEERING (SEA1)	182
TEXTILES (BATC1)	186
THE AIC SECTOR (FORMERLY UKASTA)	190
ASSOCIATION OF WALLCOVERING MANUFACTURERS	194
THE WOOD PANEL INDUSTRIES FEDERATION – (WPIF)	198
SURFACE ENGINEERING (SEA2)	202
THE BRITISH COMPRESSED GAS ASSOCIATION (BCGA)	206
BRITISH CALCIUM CARBONATE FEDERATION (BCCF)	210
THE KAOLIN AND BALL CLAY ASSOCIATION (KABCA)	214
THE PACKAGING AND INDUSTRIAL FILMS SECTOR (PIFA)	218

TEXTILES (BATC 2)	222
NATIONAL FARMERS UNION (NFU) – HORTICULTURE (EI)	226
BRITISH NONWOVEN MANUFACTURERS ASSOCIATION (BNMA)	230

THE SOCIETY OF BRITISH AEROSPACE COMPANIES – (SBAC)

Scope and membership of the umbrella agreement

SBAC represents the companies operating in the aerospace industry in the UK. This sector carries out a wide range of activities including the manufacture of commercial and military aircraft, ordnance, satellite equipment, etc.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kilowatt hours (kWh_p). The sector agreement is an absolute energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2001 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline	TP1(2002)	TP2(2004)	TP3(2006)	TP4(2008)	TP5(2010)
Original (kgC)	28,752,427	28,062,259	27,555,264	27,121,118	26,601,912	26,299,325
At TP1 (kWh_p)	648,242,765	637,700,258	624,258,112	618,500,243	604,834,257	595,927,925
2004 Review*	-	-	-	1%	1%	1%
At TP2 (kWh_p)	1,277,548,645	-	1,241,016,220	1,212,547,147	1,186,897,160	1,165,986,038
At TP3 (kWh_p)	2,120,380,884	-	-	1,964,992,584	1,937,705,692	1,892,975,800

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 91 ktCO₂ were ring-fenced
- Allowances equivalent to 2 ktCO₂ were purchased

Overall there was a net ring-fencing of 89 ktCO₂. (Note – figures rounded for presentation).

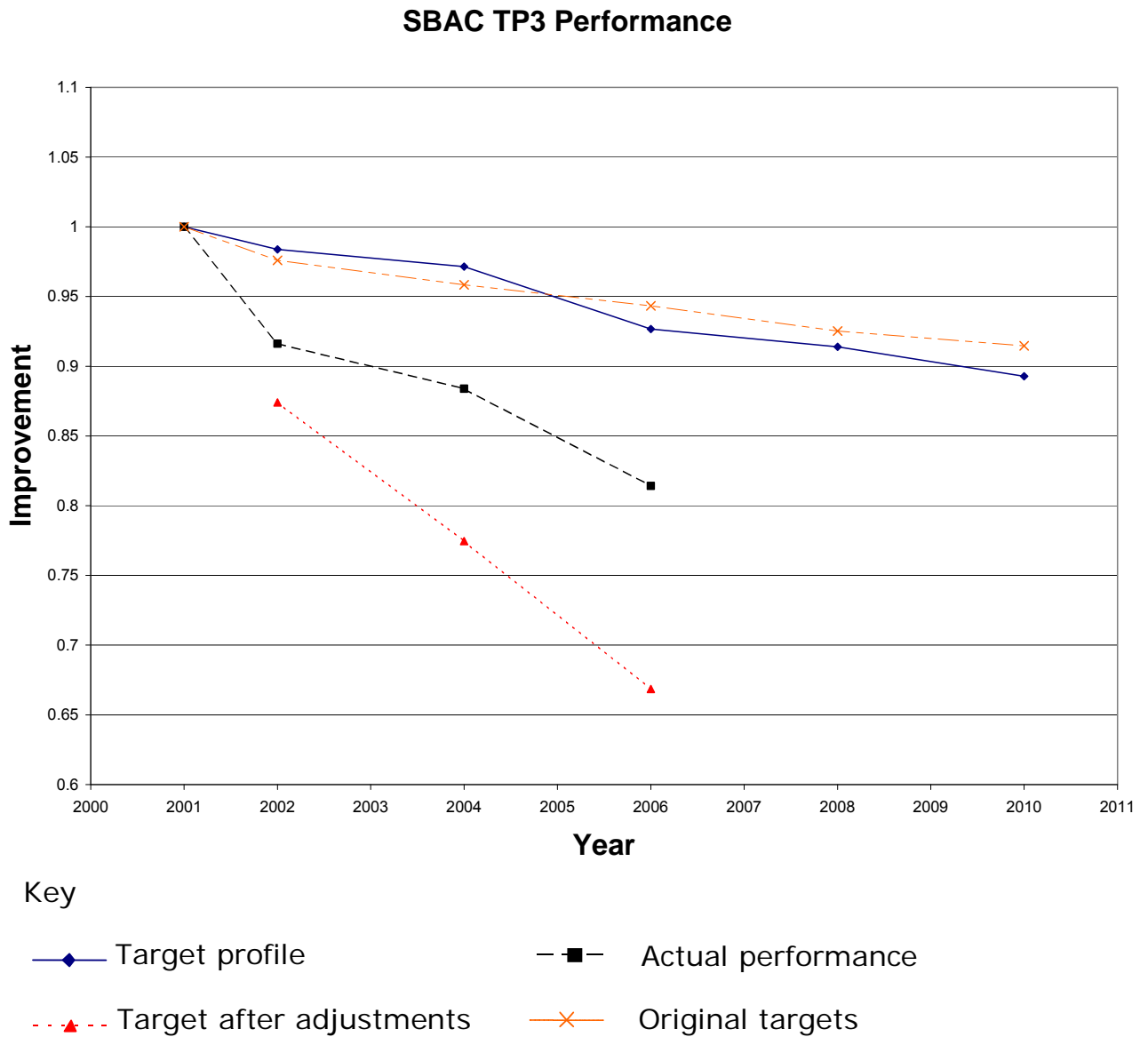
PMO

No product mix adjustments were carried out.

<p>Final adjusted sector target for the TP3 As a consequence of the adjustments, the final sector target for the TP3 was 1,417,587,655 kWh_p. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -547,404,929 kWh_p.</p>																		
<p>Sector performance recorded The following table shows the sector performance against the equivalent¹ baseline for all target periods to date.</p>																		
	Equivalent baseline (2001)				Performance													
	Energy (kWh _p)	Production (Not applicable)	SEC (Not applicable)	Energy (KWh _p)	Production (Not applicable)	SEC (Not applicable)												
TP1	648,242,765			593,956,008														
TP2	1,277,548,645			1,129,236,627														
TP3	2,120,380,884			1,726,406,139														
<p>Adjustment for overlap with EU ETS Four Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.</p> <p>All four Target Units had their targets tightened due to double counting. The total net effect of double counting was an excess of 10 ktCO₂, which resulted in an adjustment (tightening) to the sector target of -57,268,238 kWh_p. This is included within the adjusted target described above.</p>																		
<p>Commentary The sector performance of 1,726,406,139 kWh_p is above the CCA adjusted target of 1,417,587,654 kWh_p and, therefore, the sector did not meet its target. However all facilities reporting have been recertified either because they have met their individual targets outright, or through trading. There was one exit.</p> <p>The following table shows how the sector has improved relative to the equivalent base-year (2001) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).</p>																		
<p>Improvement in energy use compared with Equivalent Baseline at each Target Period</p> <table border="1"> <thead> <tr> <th></th> <th>Target Improvement</th> <th>Actual Improvement</th> </tr> </thead> <tbody> <tr> <td>TP1</td> <td>1.6%</td> <td>8.4%</td> </tr> <tr> <td>TP2</td> <td>2.9%</td> <td>12%</td> </tr> <tr> <td>TP3</td> <td>7.3%</td> <td>19%</td> </tr> </tbody> </table>								Target Improvement	Actual Improvement	TP1	1.6%	8.4%	TP2	2.9%	12%	TP3	7.3%	19%
	Target Improvement	Actual Improvement																
TP1	1.6%	8.4%																
TP2	2.9%	12%																
TP3	7.3%	19%																
<p>NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.</p>																		

¹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with overlaps with EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

This sector has an absolute target and so it is not appropriate to calculate how the relative energy consumption and CO₂ emissions for the sector have changed compared to the equivalent base-year position.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2001) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%) (Not Applicable)
TP1	-0.2	-15	-
TP2	-0.5	-27	-
TP3	-1.4	-71	-

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

ALUMINIUM (ALFED)

Scope and membership of the umbrella agreement

The Aluminium Sector has a number of sub-sectors (ie primary, secondary, rolling, extruding, aluminium finishing, magnesium and titanium). The primary aluminium producers are the largest energy consumers. Greenhouse gases other than CO₂ are included in the sector emissions.

This sector has a Target Unit with an installation in the EU ETS. The sector has provided information to show performance both in the presence and absence of adjustments applied due to EU ETS.

Targets

The targets for this sector are given in variable carbon measured as a ratio of actual carbon relative to a reference performance. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1990 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline	TP1(2002) Variable Carbon	TP2(2004) Variable Carbon	TP3(2006) Variable Carbon	TP4(2008) Variable Carbon	TP5(2010) Variable Carbon
Original	1	0.726	0.705	0.695	0.690	0.678
At TP1	1	0.709	0.688	0.678	0.673	0.661
2004 Review*	-	-	-	5.6%	4.6%	5.7%
At TP2	1	-	0.680	0.676	0.664	0.659
At TP3	1	-	-	0.673	0.666	0.662

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 224 ktCO₂ were ring-fenced
- Allowances equivalent to 9 ktCO₂ were purchased

Overall, there was a net ring-fencing of 215 ktCO₂, equivalent to a sector target change (tightening) of -0.027. (Note – figures rounded for presentation).

PMO

Product mix adjustments were carried out at sector level. The PMO for the sector is equivalent to a sector target change (easing) of 0.0001.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 0.646.

Sector performance recorded

The following table shows the sector performance against the equivalent² baseline for all target periods to date.

	Equivalent baseline (1990)			Performance		
	Energy (kWh)	Production	Carbon ratio	Energy (kWh)	Production	Carbon ratio
TP1	23,701,434,745	Not applicable	1	17,318,057,079	Not applicable	0.681
TP2	25,124,015,910	Not applicable	1	17,468,250,618	Not applicable	0.646
TP3	22,926,222,886	Not applicable	1	15,554,659,952	Not applicable	0.620

Adjustment for overlap with EU ETS

One Target Unit reporting at TP3 is part of EU ETS and Climate Change Agreements This facility was required to adjust its target for double counting between these two schemes.

The Target Unit had its target tightened due to double counting. The total net effect of double counting was an excess of 220 ktCO₂, which resulted in an adjustment (tightening) to the sector target equivalent to -0.024. The sector was able to pass despite the effect of this additional adjustment.

Commentary

The sector performance of 0.620 is below the CCA adjusted target of 0.646 and, therefore, the sector has met its CCA target. All facilities have been recertified because the sector passed its target.

The adjustment for overlap with EU ETS changed the CCA target to 0.622. The single facility that was required to tighten its target because of the overlap met its adjusted target through trading. The traded carbon has been taken into account in the adjustment above.

The following table shows how the sector has improved relative to the equivalent base-year (1990) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

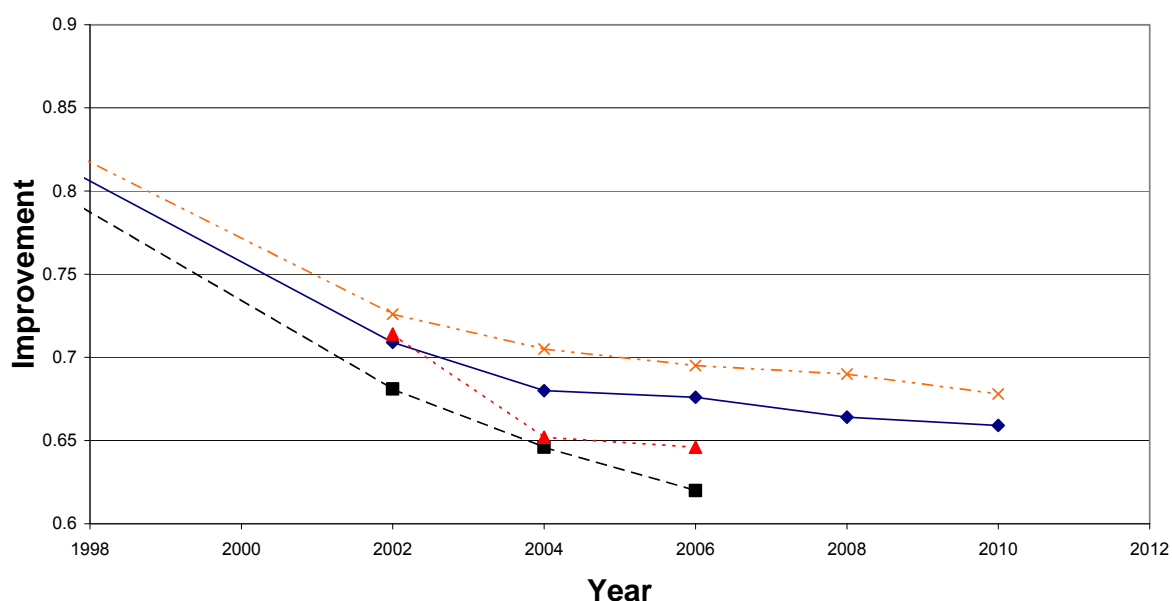
	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	29%	32%
TP2	32%	35%
TP3	33%	38%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

² Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

AIFed TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments does not include adjustments associated with overlaps with EU ETS, but does include adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1990) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-29.2	-2,559
TP2	-42.2	-3,409
TP3	-38.6	-3,378

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1990) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-23.0	-2,017	Not applicable
TP2	-27.6	-2,227	Not applicable
TP3	-26.5	-2,323	Not applicable

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE MASTER BAKERS (NAMB/SAMB)

Scope and membership of the umbrella agreement

The Master Bakers sector is represented by the National Association of Master Bakers (NAMB) throughout the UK, except for Scotland where the Scottish Association of Master Bakers (SAMB) represents the sector. The agreement covers the craft baking industry, which is generally distinguished from industrial bakeries by a smaller scale of operation, a greater range of products produced by individual sites and the linking of bakery operations with dedicated high-street shops.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh per £k added value (kWh_p/£k). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /£k)	TP1(2002) (kWh _p /£k)	TP2(2004) (kWh _p /£k)	TP3(2006) (kWh _p /£k)	TP4(2008) (kWh _p /£k)	TP5(2010) (kWh _p /£k)
Original	1,664.4	1,643.3	1,614.0	1,590.9	1,561.6	1,532.2
At TP1	1,678.9	1,659.1	1,631.2	1,608.8	1,580.7	1,552.7
2004 Review*	-	-	-	18.0%	20.0%	22.1%
At TP2	1,679.0	-	1,632.7	1,320.0	1,265.0	1,210.0
At TP3	1,657.3	-	-	1,233.4	1,182.3	1,130.9

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 0 ktCO₂ were ring-fenced
- Allowances equivalent to 8 ktCO₂ were purchased

Overall, there was a net purchase of 8 ktCO₂, equivalent to a sector target change (easing) of 42.8 kWh/£k added value (Note - figures rounded for presentation.)

PMO

No product mix adjustments were carried out in this sector.

Final adjusted sector target for the TP3

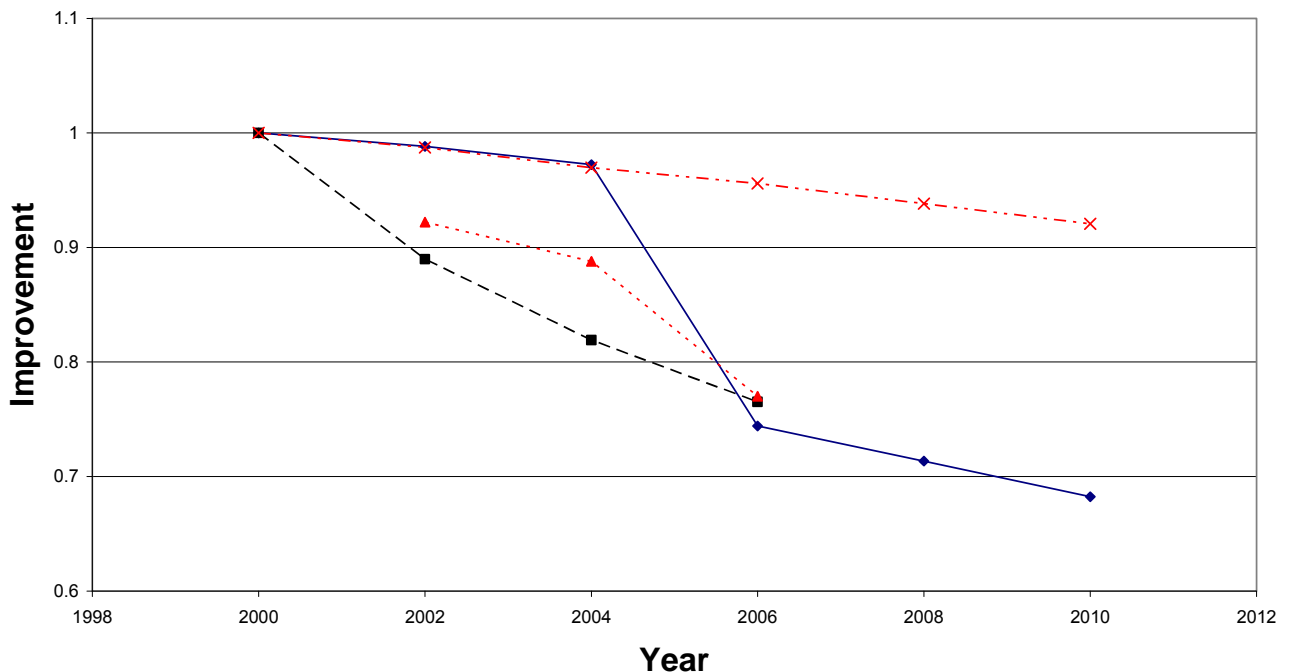
As a consequence of the adjustments described above, the final sector target for the TP3 was 1,276.1 kWh/£k added value.

Sector performance recorded						
The following table shows the sector performance against the equivalent ³ baseline for all target periods to date.						
	Equivalent baseline (2000)			Performance		
	Energy (kWh)	Production (£k)	SEC (kWh/£k)	Energy (kWh)	Production (£k)	SEC (kWh/£k)
TP1	1,180,917,147	703,388	1,678.9	1,235,688,419	827,193	1,493.8
TP2	1,195,096,773	711,777	1,679.0	1,363,756,706	991,595	1,375.3
TP3	1,137,375,882	686,298	1,657.3	1,325,256,615	1,045,156	1,268.0
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS, so no adjustments were required.						
Commentary						
The sector performance of 1,268.0 kWh/£k added value is below the CCA adjusted target of 1,276.1 kWh/£k added value and, therefore, the sector has met its target. All facilities that reported were recertified.						
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	1.2%			11%		
TP2	2.8%			18%		
TP3	26%			23%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

³ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

NAMB TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.6	-27
TP2	-1.1	-52
TP3	-1.5	-71

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	0.2	9	18
TP2	0.6	29	39
TP3	0.7	33	52

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE BRITISH BEER & PUB ASSOCIATION (BBPA)

Scope and membership of the umbrella agreement

The UK brewing industry is principally represented by the British Beer & Pub Association (BBPA). The BBPA agreement covers over 98% of UK beer production.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per hectolitre of product (kWh_p/hl). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/hl)	TP1(2002) (kWh_p/hl)	TP2(2004) (kWh_p/hl)	TP3(2006) (kWh_p/hl)	TP4(2008) (kWh_p/hl)	TP5(2010) (kWh_p/hl)
Original	64.44	62.50	61.11	59.72	58.33	56.94
At TP1	63.57	62.19	60.80	59.42	58.04	56.65
2004 Review*	-	-	-	2.0%	2.0%	3.5%
At TP2	63.53	-	60.77	58.20	56.84	54.64
At TP3	63.47	-	-	58.14	56.79	54.59

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

The sector operates a collective trading arrangement that, for this target period, encompassed all Target Units within the sector, except for a few that have now left the agreement.

Overall, there was a net ring-fencing of 75 ktCO₂. (Note - figures rounded for presentation.)

PMO

Product mix adjustments at the sector level resulted in a change (easing) of the target by 1.68 kWh_p/hl.

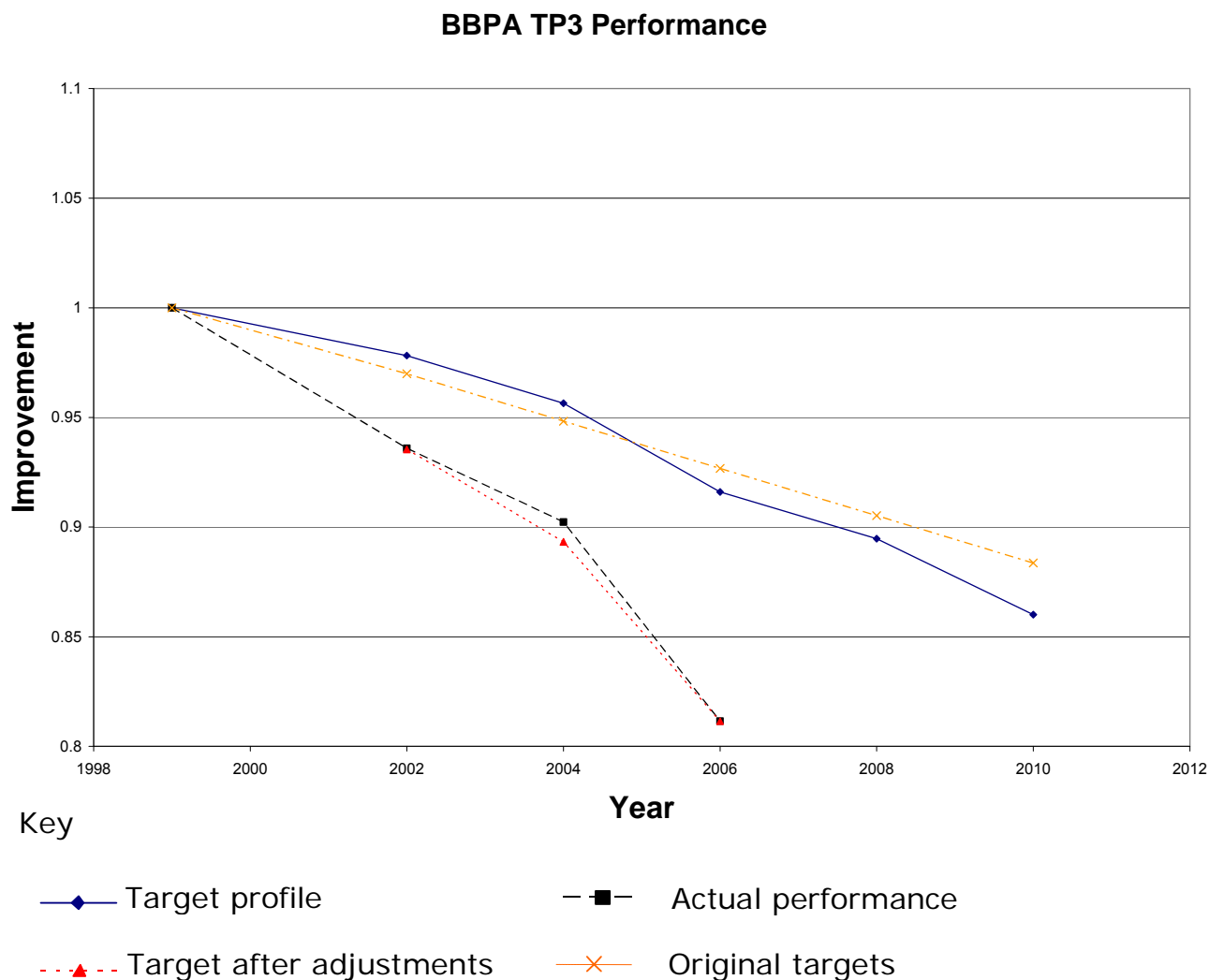
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 51.51 kWh_p/hl. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -8.32 kWh_p/hl.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
<input type="checkbox"/> <input type="checkbox"/> Ei	Energy (kWh)	Production (hl)	SEC (kWh_p/hl)	Energy (kWh)	Production (hl)	SEC (kWh_p/hl)
TP1	3,736,825,734	58,781,700	63.57	3,533,012,620	59,378,413	59.50
TP2	3,734,327,427	58,781,885	63.53	3,343,414,659	58,326,371	57.32
TP3	3,726,452,308	58,709,549	63.47	2,913,091,240	56,554,369	51.51
Adjustment for overlap with EU ETS						
One Target Unit reporting at TP3 is part of EU ETS and Climate Change Agreements. This Target Unit was required to adjust its target for double counting between these two schemes.						
The Target Unit had its target tightened due to double counting. Overall, there was an EU ETS excess of 11 ktCO ₂ , which resulted in an adjustment (tightening) to the CCA target of -1.05 kWh _p /hl. This is included within the adjusted target described above.						
Commentary						
The sector performance of 51.51 kWh _p /hl equals the CCA adjusted target of 51.51 kWh _p /hl and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was deterioration in performance.)						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	2.2%			6.4%		
TP2	4.4%			9.8%		
TP3	8.4%			19%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁴ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput had remained constant at the relevant target period throughput level. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.9	-44
TP2	-1.3	-66
TP3	-2.4	-123

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)	Production (%)
TP1	-0.7	-37	1
TP2	-1.4	-71	-1
TP3	-2.9	-148	-4

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE BRITISH CEMENT ASSOCIATION (BCA)						
<p>Scope and membership of the umbrella agreement The BCA agreement currently covers the production of Portland cement from all but one works in the UK.</p> <p>This sector has Target Units that have installations in EU ETS.</p>						
<p>Targets The targets for this sector are expressed in primary kWh per kilogram of cement (kWh_p/kg). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.</p> <p>The following table shows the targets and equivalent 1990 baseline for this sector as originally agreed and at each target period (TP) to date.</p>						
	Baseline (kWh_p/kg)	TP1(2002) (kWh_p/kg)	TP2(2004) (kWh_p/kg)	TP3(2006) (kWh_p/kg)	TP4(2008) (kWh_p/kg)	TP5(2010) (kWh_p/kg)
Original	1.678	1.457	1.408	1.298	1.282	1.249
At TP1	1.685	1.463	1.414	1.303	1.287	1.253
2004 Review*	-	-	-	0%	0%	1.5%
At TP2	1.685	-	1.414	1.303	1.287	1.234
At TP3	1.686	-	-	1.304	1.287	1.236
<p>* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.</p>						
<p>Additional risk management adjustments to the TP3 sector target</p> <p>Carbon trading</p> <ul style="list-style-type: none"> • Allowances equivalent to 76 ktCO₂ were ring-fenced • Allowances equivalent to 138 ktCO₂ were purchased <p>Overall, there was a net purchase of 62 ktCO₂. (Note- figures rounded for presentation).</p> <p>PMO No product mix adjustments were made at the sector level.</p>						
<p>Final adjusted CCA sector target for the TP3 As a consequence of the adjustments, the final sector target for the TP3 was 1.237 kWh_p/kg. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of 0.067 kWh_p/kg.</p>						

Sector performance recorded

The following table shows the sector performance against the equivalent⁵ baseline for all target periods to date.

	Equivalent baseline (1990)			Performance		
	Energy (kWh _p)	Production (t)	SEC (kWh _p /kg)	Energy (kWh _p)	Production (t)	SEC (kWh _p /kg)
TP1	23,150,776,000	13,742,000	1.685	16,216,052,805	11,537,195	1.406
TP2	23,150,776,000	13,742,000	1.685	15,658,781,217	11,784,936	1.329
TP3	23,173,627,351	13,740,837	1.686	14,965,180,535	12,248,279	1.222

Adjustment for overlap with EU ETS

Four Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.

Four Target Units had their targets tightened due to double counting. Overall, there was an EU ETS excess of 285 ktCO₂, which resulted in an adjustment (tightening) to the CCA target of -0.085 kWh_p/kg. This is included within the adjusted target described above.

Commentary

The sector performance of 1.222 kWh_p/kg is below the CCA adjusted target of 1.237 kWh_p/kg and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.

The following table shows how the sector has improved relative to the equivalent base-year (1990) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

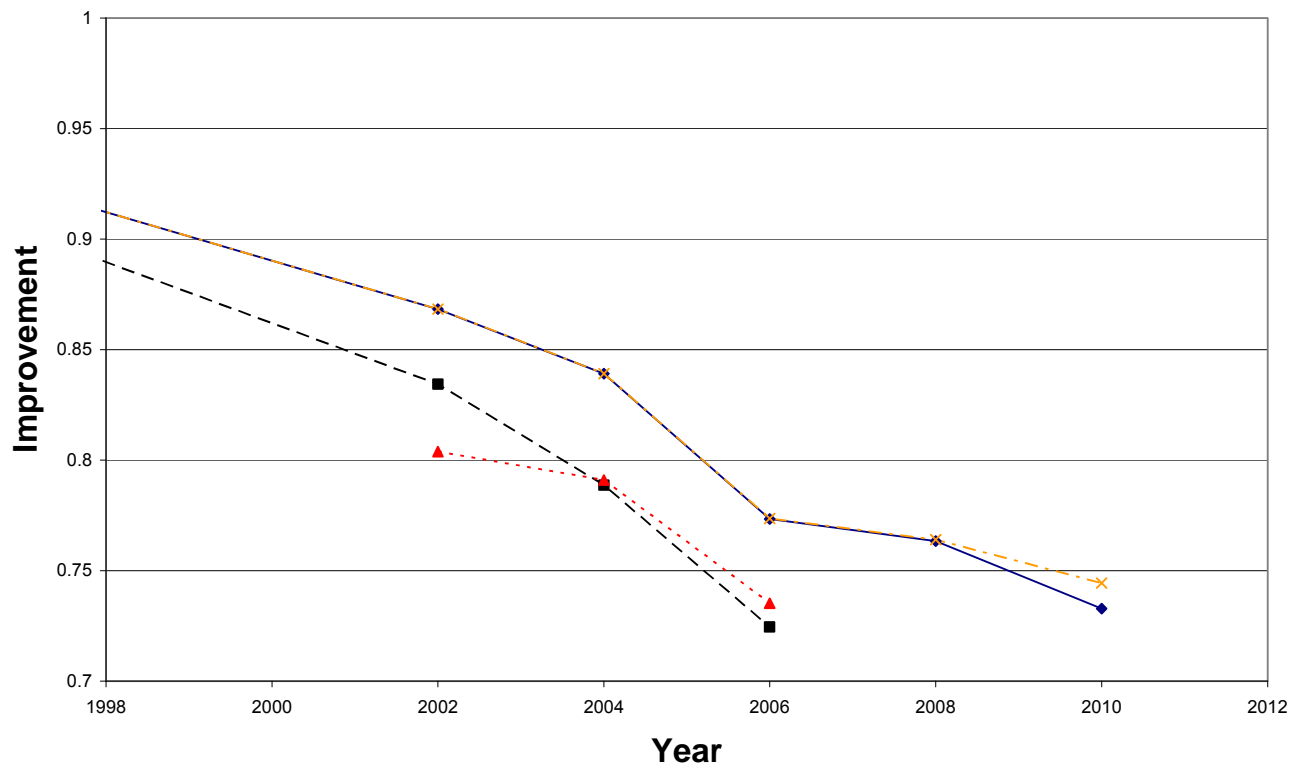
	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	13%	17%
TP2	16%	21%
TP3	23%	28%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

⁵ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

BCA TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1990) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period are less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-12	-880
TP2	-15	-1,136
TP3	-20	-1,553

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1990) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-25	-1,900	-16
TP2	-27	-2,030	-14
TP3	-30	-2,240	-11

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

**BRITISH CERAMIC CONFEDERATION
NON-FLETTON BRICK SUB-SECTOR (BCC-01)**

Scope and membership of the umbrella agreement

BCC represents the ceramics manufacturing industry in the UK, including potteries, heavy clay products including non-flepton bricks, flepton bricks, refractories and industrial ceramics and ceramic materials.

This sub-sector has Target Units that have installations in EU ETS.

Targets

The targets for this sub-sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	998	976	953	937	916	903
At TP1	1,020	1,003	985	968	949	938
2004 Review*	-	-	-	0.5%	0.5%	1.1%
At TP2	1,021	-	981	963	944	928
At TP3	987	-	-	959	940	924

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 25 ktCO₂ were ring-fenced
- Allowances equivalent to 67 ktCO₂ were purchased

Overall, there was a net purchase of 42 ktCO₂. (Note - figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the target unit level.

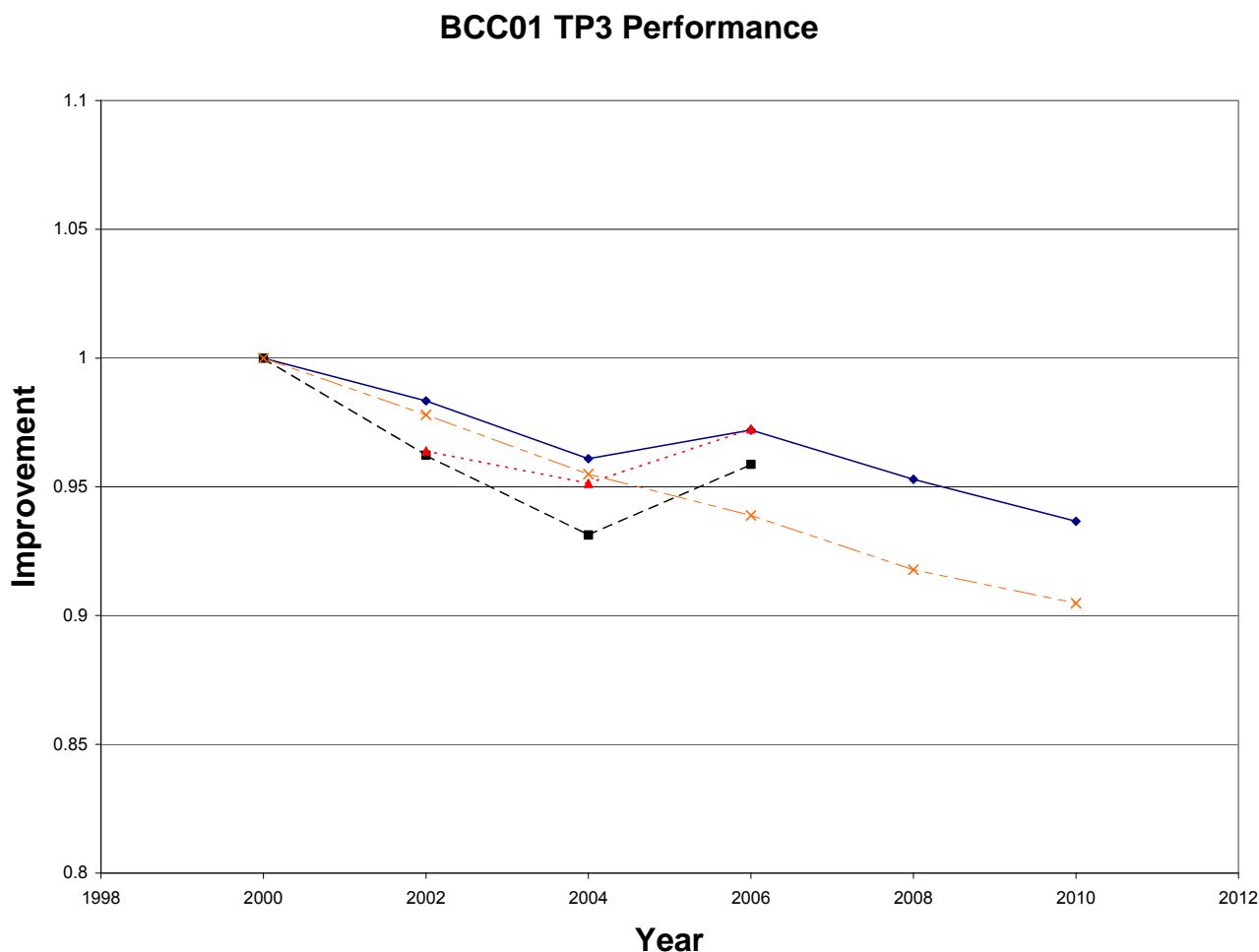
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 960 kWh_p/t. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (easing) of +0.4 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁶ baseline for all target periods to date.						
	Equivalent baseline (2000)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	6,458,346,292	6,329,230	1,020	6,082,185,157	6,193,693	982
TP2	6,447,847,970	6,316,708	1,021	6,053,698,015	6,368,491	951
TP3	6,217,555,177	6,300,403	987	5,365,580,575	5,671,401	946
Adjustment for overlap with EU ETS						
12 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.						
11 Target Units had their targets tightened due to double counting and 1 had its target eased. Overall, there was an EU ETS excess of 41 kt CO ₂ , which resulted in an adjustment (tightening) to the CCA target of -39 kWh _p /t. This is included within the adjusted target described above.						
Commentary						
The sub-sector performance of 946 kWh _p /t is below the CCA adjusted target of 960 kWh _p /t and, therefore, the sub-sector has met its target. All facilities have been recertified because the sub-sector has met its target.						
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement		Actual Improvement			
TP1	1.7%		3.8%			
TP2	3.9%		6.9%			
TP3	2.8%		4.1%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁶ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆ Target profile
- ▲ Target after adjustments
- Actual performance
- × Original targets

The target after adjustments associated with overlaps with EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-0.9	-45	
TP2	-1.6	-84	
TP3	-0.8	-44	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-1.4	-71	-2
TP2	-1.4	-74	1
TP3	-3.1	-162	-10
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

**BRITISH CERAMIC CONFEDERATION
FLETTON BRICK SUB-SECTOR (BCC-02)**

Scope and membership of the umbrella agreement

BCC represents the ceramics manufacturing industry in the UK, including potteries, heavy clay products including non-fletton bricks, fletton bricks, refractories and industrial ceramics and ceramic materials.

This sub-sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sub-sector are expressed in primary kWh per 1,000 bricks (kWh_p/1,000). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/1,000)	TP1(2002) (kWh_p/1,000)	TP2(2004) (kWh_p/1,000)	TP3(2006) (kWh_p/1,000)	TP4(2008) (kWh_p/1,000)	TP5(2010) (kWh_p/1,000)
Original	716	710	699	686	672	659
At TP1	775	768	756	742	727	713
2004 Review*	-	-	-	-11.5%	-11.5%	-11.5%
At TP2	775	-	756	828	811	795
At TP3	768	-	-	828	811	795

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- No allowances were ring-fenced
- Allowances equivalent to 8 ktCO₂ were purchased

Overall, there was a net purchase of 8 ktCO₂, equivalent to a sector target change (easing) of 139 kWh_p/1000. (Note – figures rounded for presentation.)

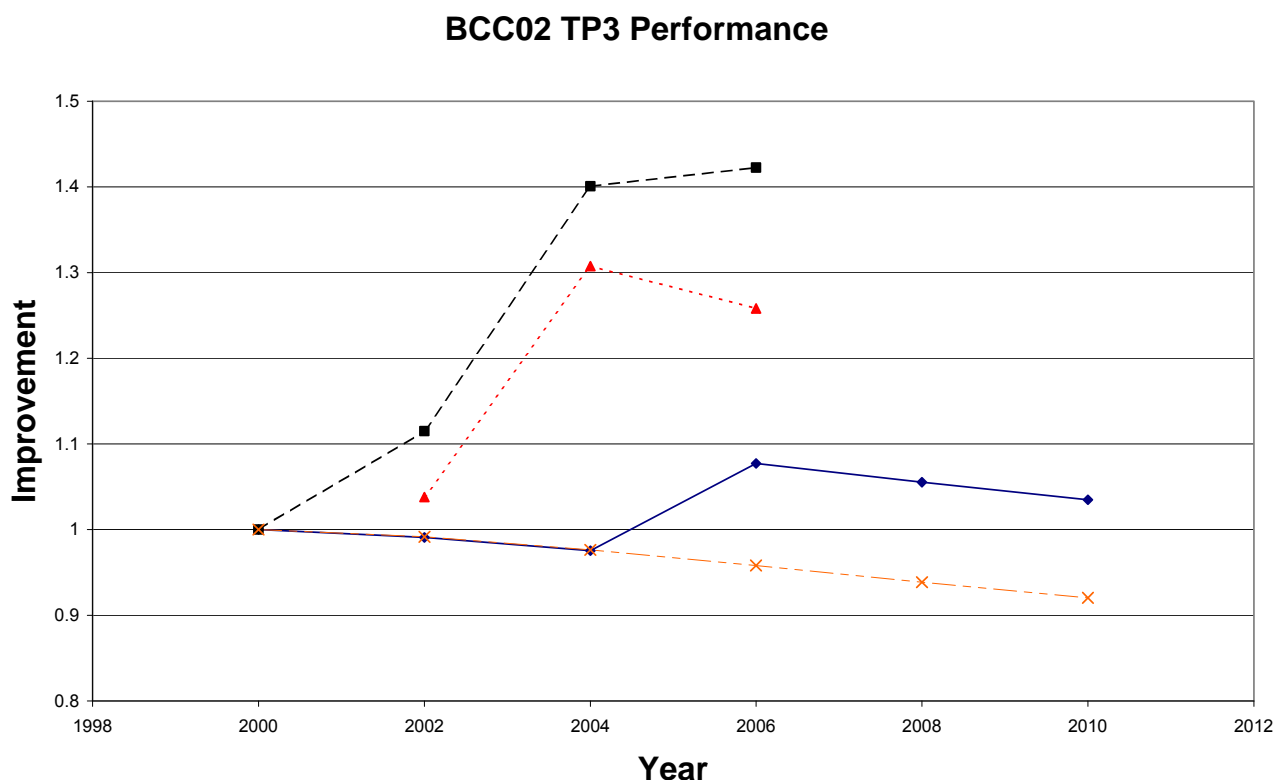
PMO

Product mix adjustments were carried out purely at the target unit level.

Final adjusted sector target for the TP3						
As a consequence of the adjustments, the final sector target for the TP3 was 967 kWh _p /1,000.						
Sector performance recorded						
The following table shows the sector performance against the equivalent ⁷ baseline for all target periods to date.						
	Equivalent baseline (2000)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	250,771,080	323,680	775	280,477,146	324,699	864
TP2	250,771,080	323,680	775	354,153,766	326,351	1085
TP3	248,657,890	323,689	768	336,596,872	307,986	1093
Adjustment for overlap with EU ETS						
No Target Units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sub-sector performance of 1,093 kWh _p /1,000 is above the CCA adjustment target of 967 kWh _p /1,000 and, therefore, the sub-sector has not met its target. However, the single facility has been recertified because it met its target through a mixture of trading and product mix adjustment.						
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement		Actual Improvement			
TP1	0.9%		-11%			
TP2	2.5%		-40%			
TP3	-7.7%		-42%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁷ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	0.1	6
TP2	0.4	20
TP3	0.4	19

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)	Production (%)
TP1	0.1	6	0
TP2	0.4	20	1
TP3	0.3	17	-5

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

**BRITISH CERAMIC CONFEDERATION
REFRACTORIES SUB-SECTOR (BCC-03)**

Scope and membership of the umbrella agreement

BCC represents the ceramics manufacturing industry in the UK, including potteries, heavy clay products including non-fletton bricks, fletton bricks, refractories and industrial ceramics and ceramic materials.

This sub-sector has Target Units that have installations in EU ETS.

Targets

The targets for this sub-sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	3,290	3,196	3,145	3,073	3,033	2,974
At TP1	3,665	3,616	3,599	3,559	3,502	3,436
2004 Review*	-	-	-	0.5%	0.5%	1.1%
At TP2	3,924	-	3,843	3,786	3,725	3,655
At TP3	3,753	-	-	3,691	3,637	3,578

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 21 ktCO₂ were ring-fenced
- Allowances equivalent to 13 ktCO₂ were purchased

Overall there was a net ring-fencing of 8ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the target unit level.

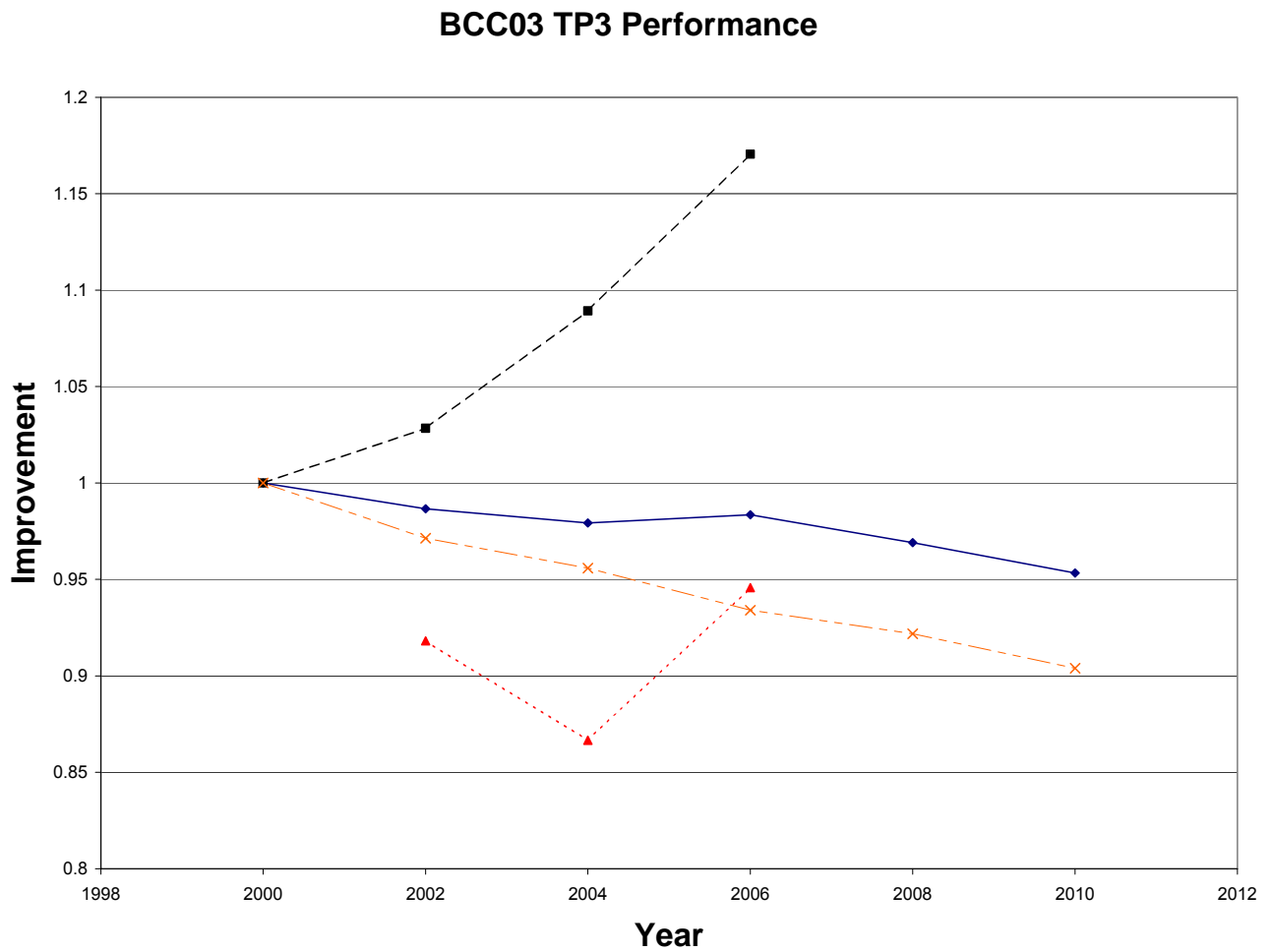
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 3,550 kWh_p/t. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -142 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁸ baseline for all target periods to date.						
	Equivalent baseline (2000)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	1,786,154,983	487,368	3,665	1,444,652,751	383,318	3769
TP2	1,915,049,883	488,082	3,924	1,425,440,064	333,524	4,274
TP3	1,789,795,353	476,873	3,753	1,346,340,639	306,467	4,393
Adjustment for overlap with EU ETS						
1 Target Unit reporting at TP3 is part of EU ETS and Climate Change Agreements. This Target Unit was required to adjust its target for double counting between these two schemes.						
The Target Unit had its target tightened due to double counting. Overall, there was an EU ETS excess of 0.8kt CO ₂ which resulted in an adjustment (tightening) to the sector target of -14 kWh _p /t. This is included within the adjusted target described above.						
Commentary						
The sub-sector performance of 4,393 kWh _p /t is above the CCA adjusted target of 3,550 kWh _p /t and, therefore, the sub-sector has not met its target. All the facilities have been recertified either because they have met their individual targets outright or through a mixture of trading and /or product mix.						
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement		Actual Improvement			
TP1	1.3%		-2.8%			
TP2	2.1%		-8.9%			
TP3	1.7%		-17.1%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁸ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps with EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	0.1	7	
TP2	0.4	21	
TP3	0.7	36	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-1.2	-62	-21
TP2	-1.8	-89	-32
TP3	-1.6	-81	-36
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

**BRITISH CERAMIC CONFEDERATION
WHITEWARES SUB-SECTOR (BCC-04)**

Scope and membership of the umbrella agreement

BCC represents the ceramics manufacturing industry in the UK, including potteries, heavy clay products including non-fletton bricks, fletton bricks, refractories and industrial ceramics and ceramic materials.

This sub-sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sub-sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	9,971	9,701	9,098	8,979	8,935	8,787
At TP1	10,764	10,362	9,767	9,637	9,509	9,385
2004 Review*	-	-	-	6.7%	6.7%	6.9%
At TP2	10,833	-	9,215	9,046	8,924	8,789
At TP3	9,476	-	-	8,143	8,043	7,935

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 15 ktCO₂ were ring-fenced
- Allowances equivalent to 19 ktCO₂ were purchased

Overall, there was a net purchase of 5 ktCO₂, equivalent to a sector target change (tightening) of -106 kWh_p/t. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the target unit level.

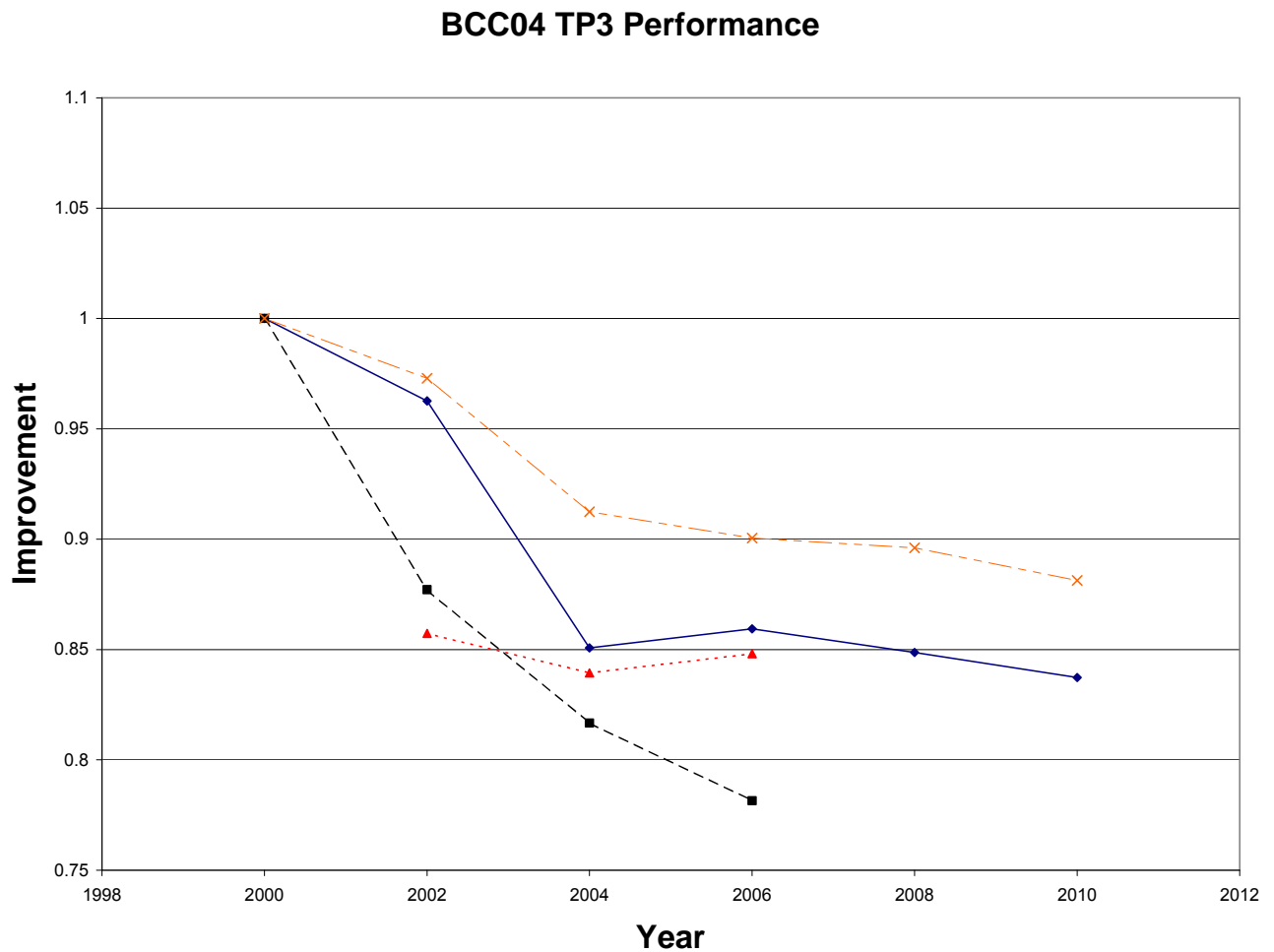
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 8,037 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁹ baseline for all target periods to date.						
	Equivalent baseline (2000)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	3,008,111,786	279,463	10,764	2,689,636,559	284,887	9,441
TP2	2,985,138,257	275,571	10,833	2,196,929,837	248,338	8,847
TP3	2,467,593,027	260,394	9,476	1,760,223,036	237,678	7,406
Adjustment for overlap with EU ETS						
No Target Units reporting at TP3 are part of EU ETS, so no adjustments were required.						
Commentary						
The sub-sector performance of 7,406 kWh _p /t is below the CCA adjusted target of 8,037 kWh _p /t and, therefore, the sub-sector has met its target. All facilities have been recertified because the sub-sector has met its target.						
The following table shows how the sector has improved relative to the equivalent base year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	3.7%			12%		
TP2	15%			18%		
TP3	14%			22%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						
In this sub-sector the target improvements reflect projected throughput values over the period of the agreement.						

⁹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆ Target profile
- ▲ Target after adjustments
- Actual performance
- × Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base year (2000) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-1.4	-68	
TP2	-1.8	-88	
TP3	-1.8	-90	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-1.2	-58	2
TP2	-2.8	-141	-10
TP3	-2.6	-130	-9
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

**BRITISH CERAMIC CONFEDERATION
MATERIALS SUB-SECTOR (BCC-05)**

Scope and membership of the umbrella agreement

BCC represents the ceramics manufacturing industry in the UK, including potteries, heavy clay products including non-fletton bricks, fletton bricks, refractories and industrial ceramics and ceramic materials.

This sub-sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sub-sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	1,264	1,234	1,204	1,174	1,155	1,137
At TP1	985	960	937	915	900	888
2004 Review*	-	-	-	12.3%	12.5%	12.7%
At TP2	1,053	-	902	858	842	829
At TP3	827	-	-	770	756	744

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 9 ktCO₂ were ring-fenced
- Allowances equivalent to 1 ktCO₂ were purchased

Overall, there was a net ring-fencing of 8 ktCO₂, equivalent to a sector target change (tightening) of -73 kWh_p/t. (Note – figures rounded for presentation.)

PMO

No product mix adjustments were used.

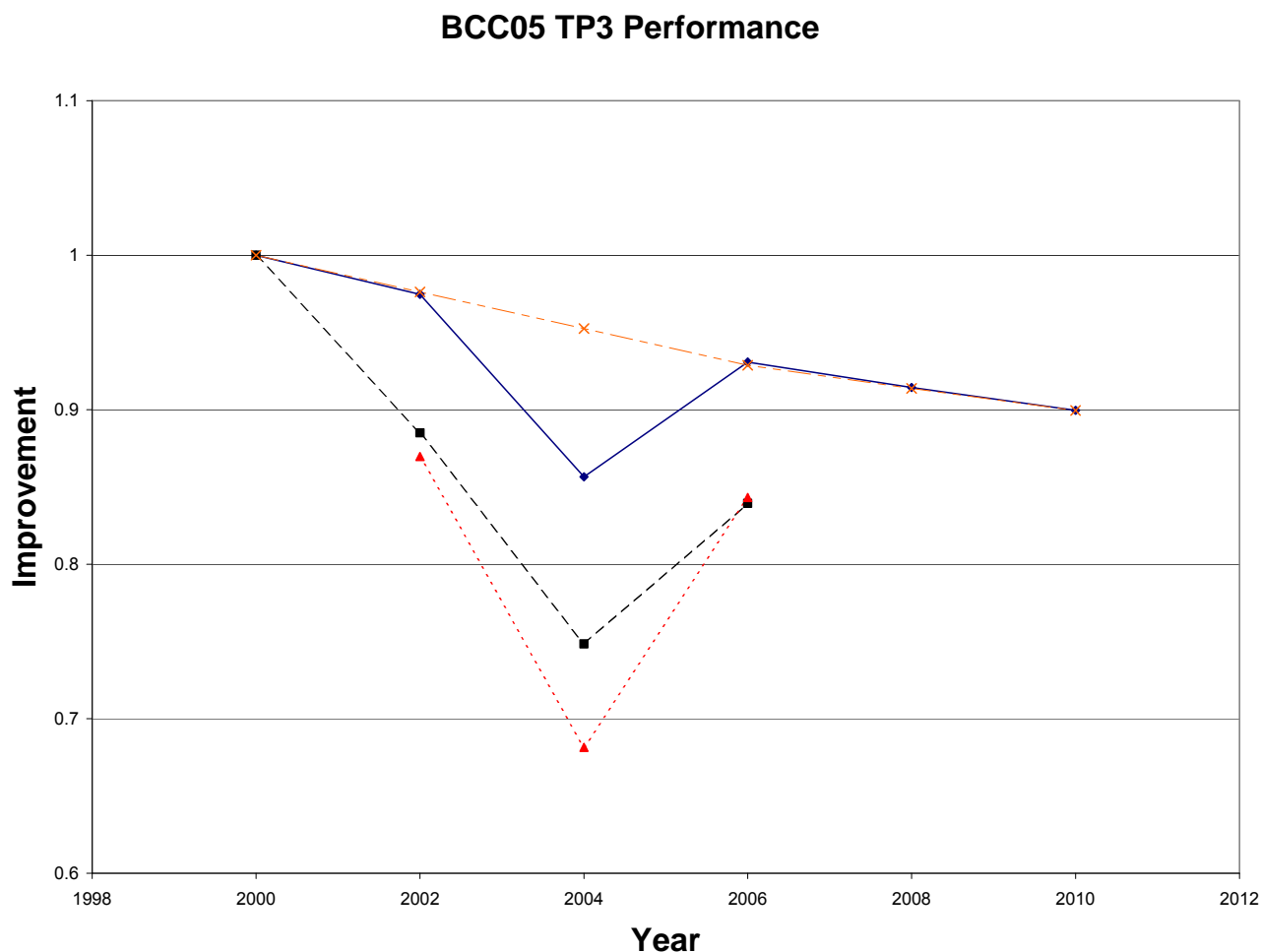
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 697 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ¹⁰ baseline for all target periods to date.						
	Equivalent baseline (2000)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	519,839,262	527,970	985	502,703,897	576,909	871
TP2	578,907,261	549,812	1,053	459,689,951	583,383	788
TP3	419,351,980	506,951	827	392,461,607	565,212	694
Adjustment for overlap with EU ETS						
No Target Units reporting at TP3 are part of EU ETS, so no adjustments were required.						
Commentary						
The sub-sector performance of 694 kWh _p /t is below the CCA adjusted target of 697 kWh _p /t, and, therefore, the sub-sector has met its target. All facilities have been recertified as the sub-sector has met its target.						
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	2.5%			11%		
TP2	14%			25%		
TP3	6.9%			16%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

¹⁰ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.2	-12
TP2	-0.6	-28
TP3	-0.3	-14

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)	Production (%)
TP1	-0.1	-3	9
TP2	-0.4	-22	6
TP3	-0.1	-5	12

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

CHEMICALS (CIA)

Scope and membership of the umbrella agreement

The chemicals sector covers a range of activities from continuous bulk chemical operations to small batch production of speciality chemicals. The agreement is operated through CIABATA, a wholly owned subsidiary of the Chemical Industries Association.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed as an energy efficiency improvement ratio. The sector agreement is a relative energy agreement. The targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1998 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline	TP1(2002)	TP2(2004)	TP3(2006)	TP4(2008)	TP5(2010)
Original	1	0.877	0.850	0.835	0.822	0.817
At TP1	1	0.908	0.879	0.864	0.850	0.845
2004 Review*	-	-	-	3.6%	3.5%	4.0%
At TP2	1	-	0.879	0.832	0.819	0.810
At TP3	1	-	-	0.820	0.808	0.801

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 685 ktCO₂ were ring-fenced
- Allowances equivalent to 490 ktCO₂ were purchased

Overall, there was a net ring-fencing of 195 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix and throughput adjustments were carried out at the sector level.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 0.802. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -0.018.

Sector performance recorded

The following table shows the sector performance against the equivalent¹¹ baseline for all target periods to date.

	Equivalent baseline (1998)			Performance		
	Energy (TJ)	Production	Energy Efficiency Ratio (EER)	Energy (TJ)	Production	Energy Efficiency Ratio (EER)
TP1	322,823	N/A	1	288,073	N/A	0.855
TP2	308,449	N/A	1	279,203	N/A	0.805
TP3	269,979	N/A	1	230,377	N/A	0.799

Adjustment for overlap with EU ETS

49 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.

33 Target Units had their targets tightened due to double counting and 13 had their targets eased. 3 Target Units voluntarily retired all of their surplus EU ETS allowances and so an adjustment to their CCA targets was not required. Overall, there was an EU ETS excess of 384 kt CO₂, which resulted in an adjustment (tightening) to the CCA target of -0.026. This is included within the adjusted target described above.

Commentary

The sector performance of 0.799 is below the CCA adjusted target of 0.802 and, therefore, the sector has met its target. All facilities have been recertified because the sector met its target.

The following table shows how the sector has improved relative to the equivalent base-year (1998) position at each target period.

(Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

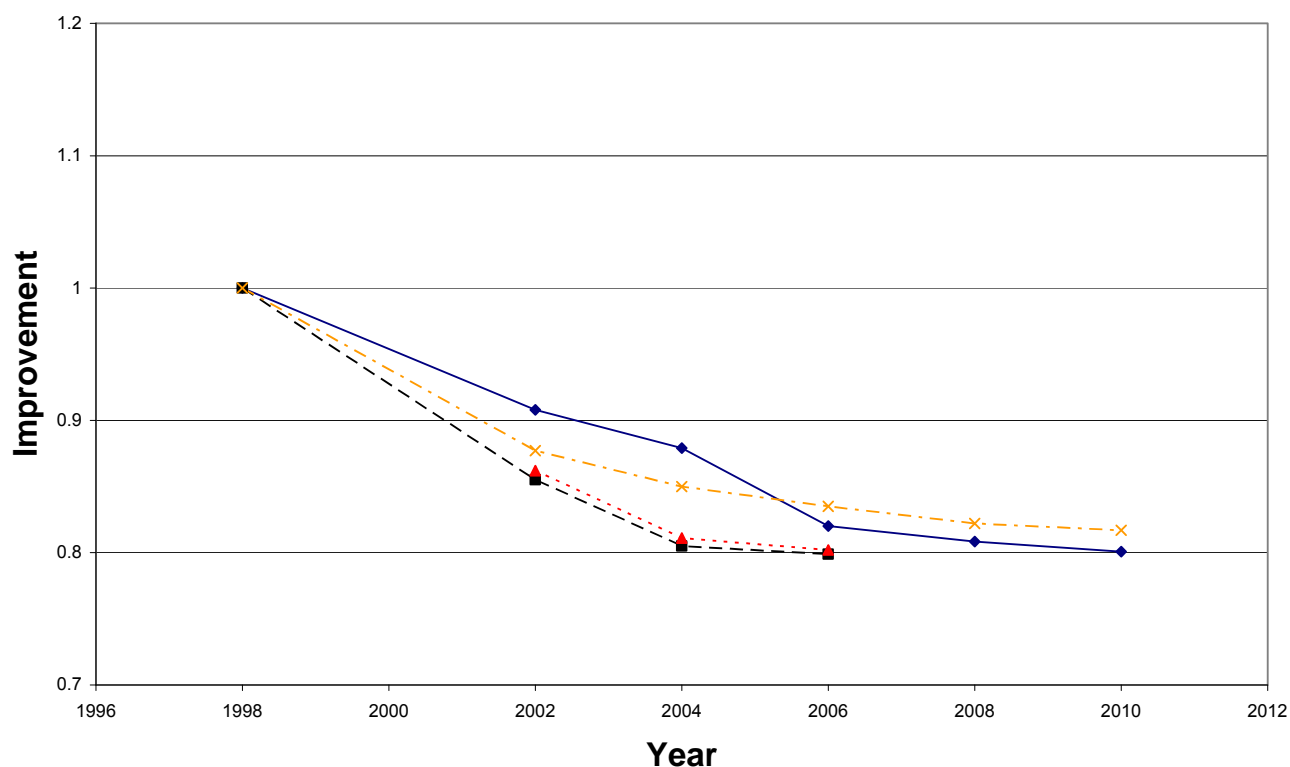
Improvement in EER compared with Equivalent Baseline at each Target Period		
	Target Improvement	Actual Improvement
TP1	9.2%	15%
TP2	12%	20%
TP3	18%	20%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

¹¹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

CIA TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1998) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-49	-2,500
TP2	-68	-3,524
TP3	-58	-2,977

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1998) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)	Production (%)
TP1	-35	-2,000	Not applicable
TP2	-29	-1,520	Not applicable
TP3	-40	-2,031	Not applicable

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

DAIRY UK (DIAL)

Scope and membership of the umbrella agreement

The agreement with the dairy industry is with Dairy Energy Savings Ltd (established by Dairy UK, formerly the Dairy Industry Association). The agreement covers the majority of the UK production of dairy produce from raw milk and raw-milk products.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1998 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /t)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	553.16	469.57	458.89	454.41	449.65	444.76
At TP1	552.86	478.22	466.88	462.03	456.81	451.46
2004 Review*	-	-	-	2.25%	3.5%	4.5%
At TP2	554.85	-	484.52	470.18	459.20	449.48
At TP3	525.94	-	-	457.88	447.10	437.52

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 98 ktCO₂ were ring-fenced
- Allowances equivalent to 83 ktCO₂ were purchased

Overall, there was a net ring-fencing of 15 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the Target Unit level.

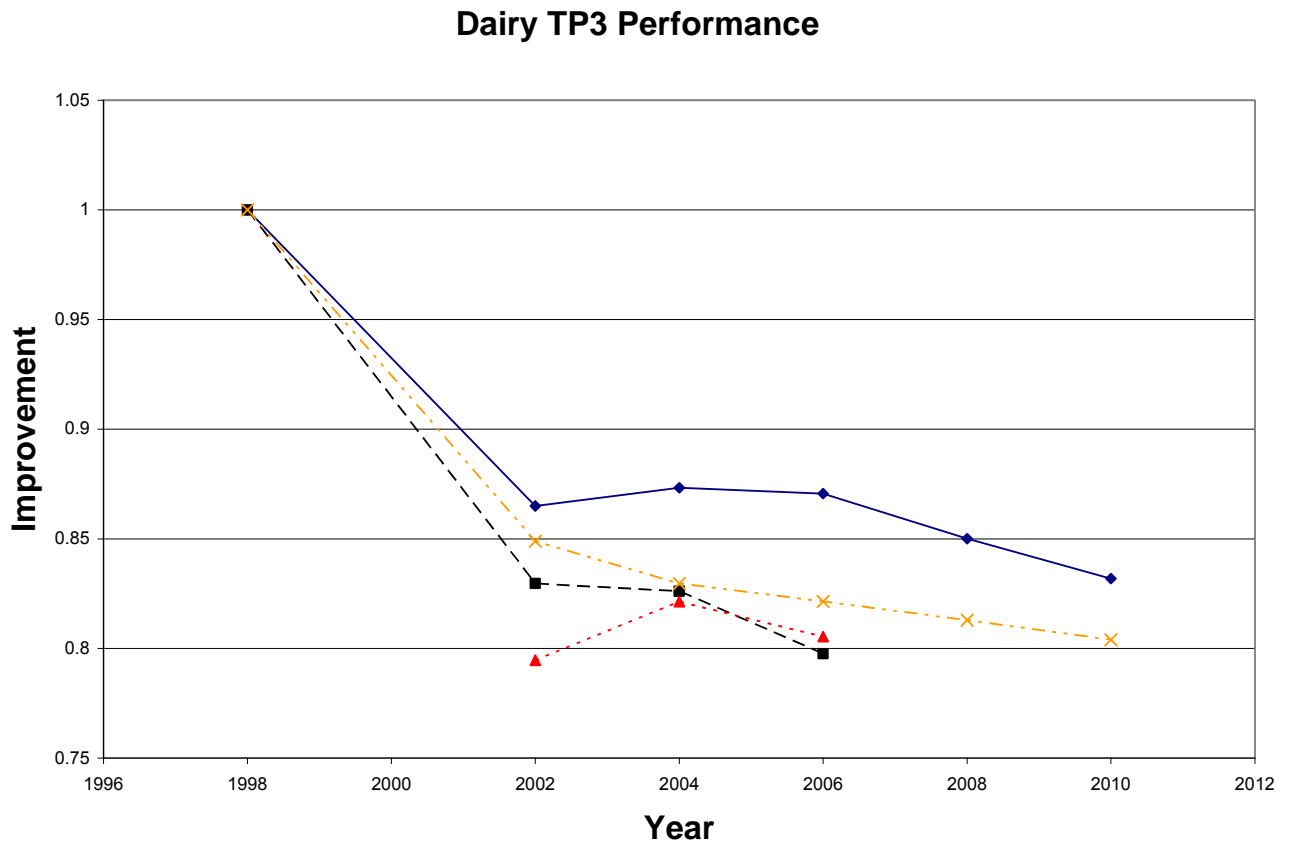
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 423.59 kWh_p/t. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of –34.29 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ¹² baseline for all target periods to date.						
	Equivalent baseline (1995)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	5,035,411,314	9,107,919	552.86	4,738,092,300	10,329,975	458.67
TP2	4,709,490,251	8,487,856	554.85	4,606,223,806	10,049,414	458.36
TP3	4,228,213,890	8,039,301	525.94	4,169,236,378	9,938,564	419.50
Adjustment for overlap with EU ETS						
7 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.						
6 Target Units had their targets tightened due to double counting and one had its target eased. Overall, there was an EU ETS excess of 50.12 ktCO ₂ , which resulted in an adjustment (tightening) to the CCA target of -26.35 kWh _p /t. This is included within the adjusted target described above.						
Commentary						
The sector performance of 419.50 kWh _p /t is below the CCA adjusted target of 423.59 kWh _p /t and, therefore, the sector has met its target. All facilities have been recertified as the sector has met its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1998) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement		Actual Improvement			
TP1	13.5%		17.0%			
TP2	12.7%		17.4%			
TP3	12.9%		20.2%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

¹² Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1998) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-3.5	-190	
TP2	-3.5	-186	
TP3	-3.8	-202	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (1998) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-1.1	-58	13
TP2	-0.4	-20	18
TP3	-0.2	-11	24
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

THE BRITISH EGG PRODUCTS ASSOCIATION (BEPA)

Scope and membership of the umbrella agreement

The BEPA agreement covers all the major producers of egg products. Production includes liquid and frozen egg, mayonnaise, boiled eggs and other cooked-egg products.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per kilogram of product (kWh_p/kg). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data.

The following table shows the targets and equivalent baseline for this sector as originally agreed and at each target period (TP) to date. (Participants have different baselines from 1995, which is used here as the nominal baseline year.)

	Baseline (kWh_p/kg)	TP1(2002) (kWh_p/kg)	TP2(2004) (kWh_p/kg)	TP3(2006) (kWh_p/kg)	TP4(2008) (kWh_p/kg)	TP5(2010) (kWh_p/kg)
Original	1.119	1.041	1.022	1.007	0.990	0.970
At TP1	1.245	1.118	1.096	1.079	1.061	1.038
2004 Review*	-	-	-	11.7%	16.1%	17.2%
At TP2	1.024	-	0.946	0.822	0.764	0.738
At TP3	1.033	-	-	0.829	0.771	0.744

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 7 ktCO₂ were ring-fenced
- Allowances equivalent to 2 ktCO₂ were purchased

Overall, there was a net ring-fencing of 5 ktCO₂, equivalent to a sector target change (tightening) of -0.259 kWh_p/kg. (Note - figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

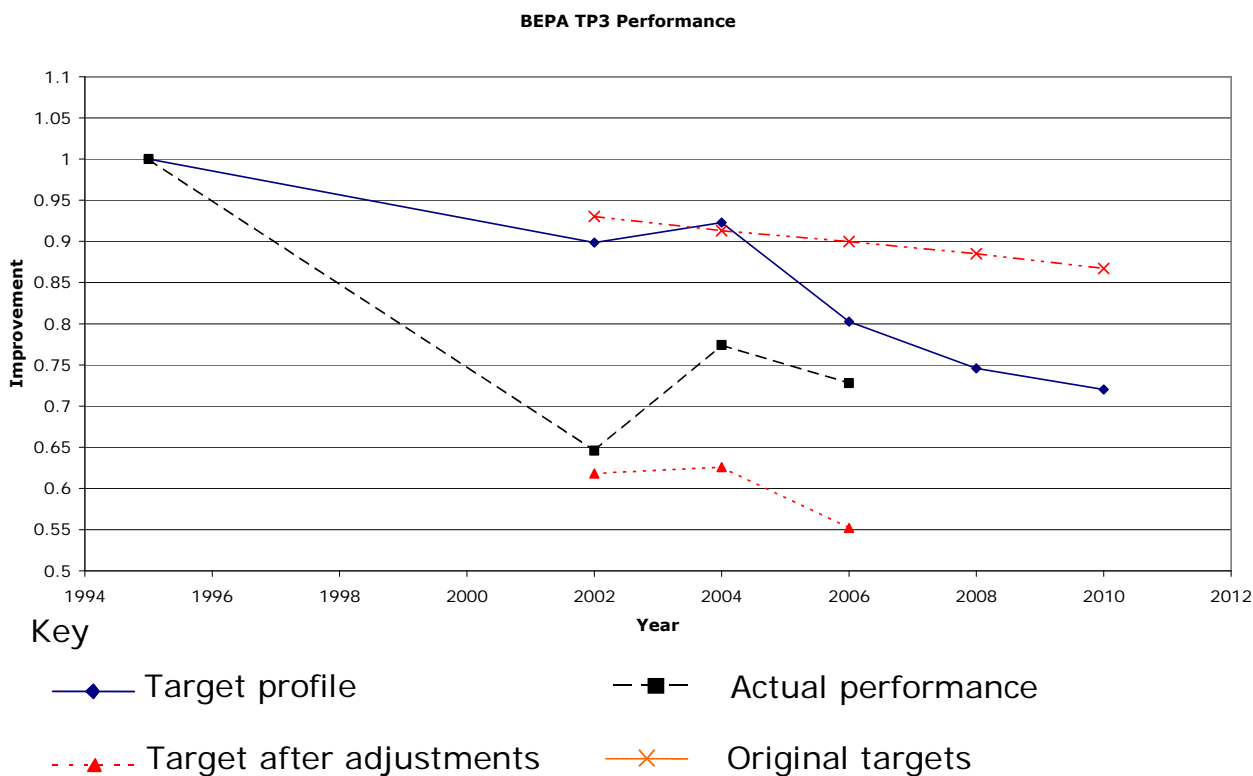
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 0.570 kWh_p/kg.

Sector performance recorded						
The following table shows the sector performance against the equivalent ¹³ baseline for all target periods to date.						
	Equivalent baseline (1995)			Performance		
	Energy (kWh)	Production (kg)	SEC (kWh_p/kg)	Energy (kWh)	Production (kg)	SEC (kWh_p/kg)
TP1	87,104,013	69,981,317	1.245	76,870,542	95,611,282	0.804
TP2	72,159,168	70,433,832	1.024	74,059,388	93,372,494	0.793
TP3	72,222,021	69,900,837	1.033	81,163,635	107,904,837	0.752
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 0.752 kWh _p /kg is above the CCA adjusted target of 0.570 kWh _p /kg and, therefore, the sector has not met its target. All facilities have been recertified because they have met their individual targets outright or through trading.						
The following table shows how the sector has improved relative to the equivalent base-year (1995) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	10%			35%		
TP2	8%			23%		
TP3	20%			27%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

¹³ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1995) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.2	-8
TP2	-0.1	-4
TP3	-0.1	-5

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base year (1995) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/ emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.04	-1.8	37
TP2	0.01	0.3	33
TP3	0.03	1.6	54

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

NATIONAL FARMERS UNION (NFU) – EGG PRODUCTION

Scope and membership of the umbrella agreement

The NFU egg agreement covers sites undertaking the production of eggs from birds under cage, barn and free-range production systems. The agreement was developed with the close involvement of the British Egg Industry Council.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per dozen eggs (kWh_p/doz). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data. (However, at TP1 only, the sector targets were not adjusted).

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p / doz)	TP1(2002) (kWh _p / doz)	TP2(2004) (kWh _p / doz)	TP3(2006) (kWh _p / doz)	TP4(2008) (kWh _p / doz)	TP5(2010) (kWh _p / doz)
Original	0.410	0.390	0.380	0.370	0.362	0.354
At TP1	0.410	0.390	0.380	0.370	0.362	0.354
2004 Review*	-	-	-	32.0%	34.2%	36.6%
At TP2	0.480	-	0.440	0.291	0.275	0.260
At TP3	0.449	-	-	0.273	0.258	0.243

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 9 ktCO₂ were purchased

Overall there was a net purchase of 9 ktCO₂, equivalent to a sector target change (easing) of 0.061 kWh_p/doz. (Note - figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

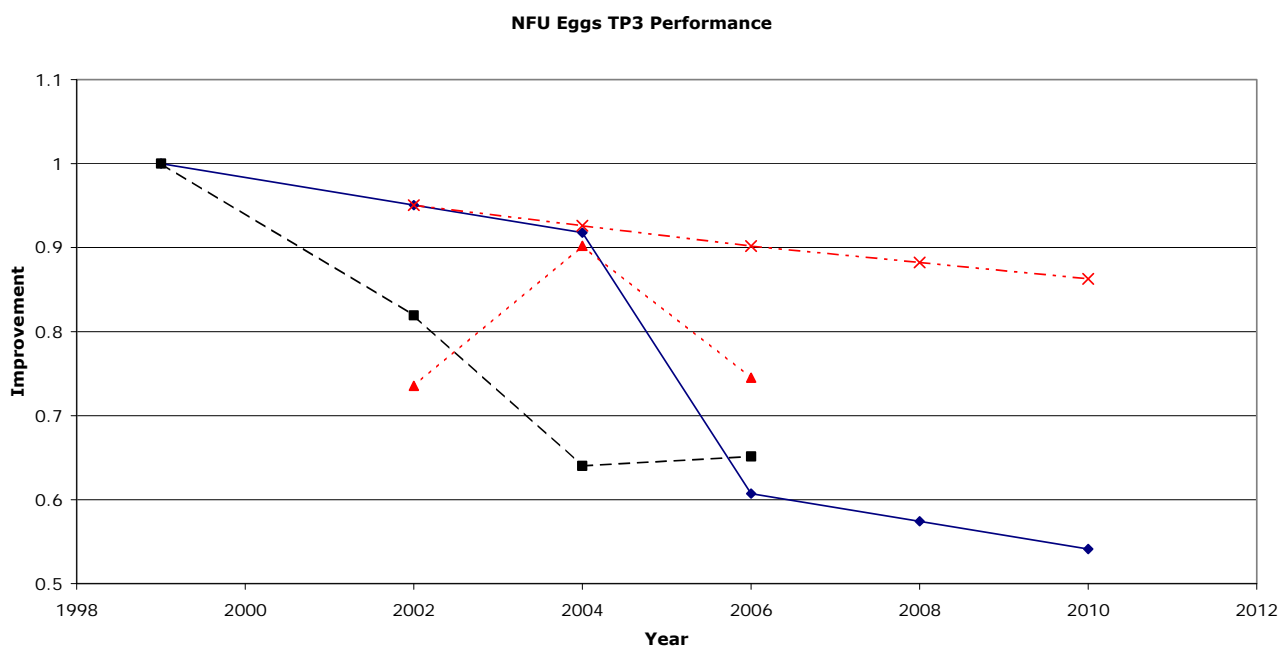
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 0.334 kWh_p/doz.

Sector performance recorded						
The following table shows the sector performance against the equivalent ¹⁴ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (doz)	SEC (kWh_p/doz)	Energy (kWh)	Production (doz)	SEC (kWh_p/doz)
TP1*	349,642,976	804,715,349	0.434	293,815,082	873,972,712	0.336
TP2	296,220,626	617,543,595	0.480	271,323,266	883,576,085	0.307
TP3	258,165,758	575,195,504	0.449	235,153,204	804,275,538	0.292
* This is the equivalent baseline for those target units that reported at TP1, although the sector target at TP1 was not adjusted for entrants and exits.						
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS, so no adjustments were required.						
Commentary						
The sector performance of 0.292k kWh _p /doz eggs is below the CCA adjusted target of 0.334 kWh _p /doz eggs and, therefore, the sector has met its target. All the facilities have been recertified because the sector target has been met, as adjusted for trading.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Change in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1*	4.9%			18%		
TP2	8.2%			36%		
TP3	39%			35%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						
* The TP1 figures here are relative to the unchanged target and its baseline, rather than the baseline equivalent to those that reported.						

¹⁴ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- -▲- - Target after adjustments
- -×- - Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Annual Change in Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.3	-15
TP2	-0.5	-27
TP3	-0.5	-22

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Annual Change in Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.2	-10	8
TP2	-0.1	-4	43
TP3	-0.1	-4	40

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE MINESCO (EURISOL) – MINERAL WOOL - EUR

Scope and membership of the umbrella agreement

The Mineral Wool Energy Savings Company (MINESCO) represents the mineral wool insulation manufacturers' trade association, Eurisol, for the CCA. The member companies produce glass wool and rockwool insulation material for building fabric, pipe insulation, specialist applications and high-temperature industrial protection.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the agreement sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	5,344	4,874	4,691	4,610	4,512	4,485
At TP1	5,341	4,954	4,767	4,682	4,582	4,551
2004 Review*				0%	0%	1%
At TP2	5,347	-	4,773	4,688	4,587	4,511
At TP3	5,347	-	-	4,688	4,587	4,511

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 39 ktCO₂ were ring-fenced
- No allowances were purchased

Overall, there was a net ring-fencing of 39 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments at the sector level resulted in a sector target change (easing) of 83.1 kWh_p/t.

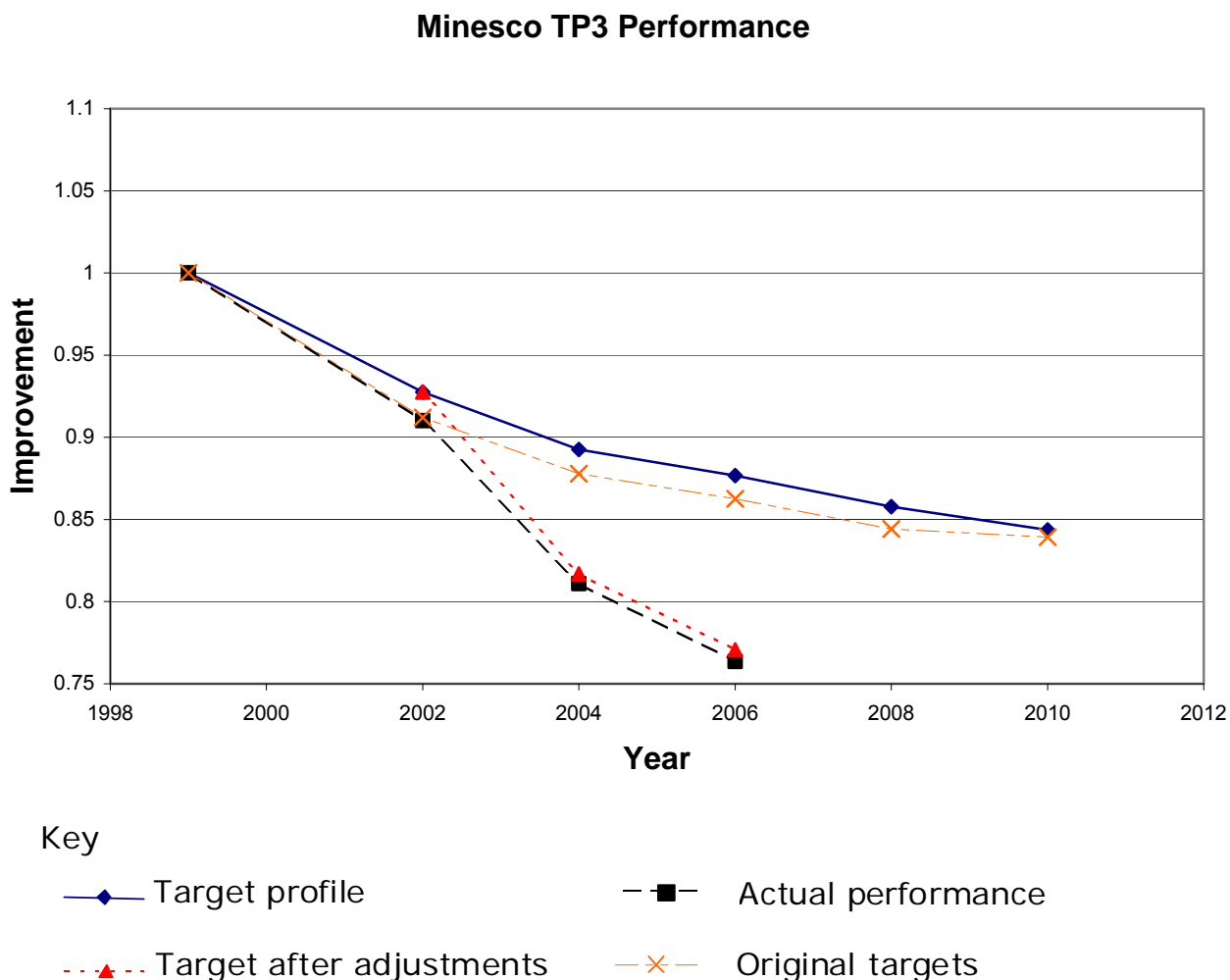
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 4,121 kWh_p/t. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of –567 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ¹⁵ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	1,209,693,772	226,492	5341	1,167,690,221	240,205	4861
TP2	1,215,243,163	227,263	5347	1,257,977,062	290,055	4337
TP3	1,215,243,163	227,263	5347	1,432,213,254	350,789	4083
Adjustment for overlap with EUETS						
2 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.						
Both Target Units had their targets tightened due to double counting. Overall, there was an EU ETS excess of 8 kt CO ₂ , which resulted in an adjustment (tightening) to the CCA target of -123 kWh _p /t. This is included within the adjusted target described above.						
Commentary						
The sector performance of 4,083 kWh _p /t is below the CCA adjusted target of 4,121 kWh _p /t and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	7.3%			9.0%		
TP2	11%			19%		
TP3	12%			24%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

¹⁵ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.4	-24
TP2	-1.1	-63
TP3	-1.6	-94

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	% Change in Throughput(%)
TP1	-0.2	-9	6
TP2	0.2	9	28
TP3	0.8	46	54

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE FOOD & DRINK SECTOR (FDF)

Scope and membership of the umbrella agreement

The FDF agreement covers a substantial proportion of the UK food and drink manufacturing industry, though some specific sectors of the industry are covered by other agreements.

This sector has Target Units that have installations in the EU ETS.

Targets

The targets for this sector are given in primary kWh per tonne of throughput (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1995 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /t)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	1,043.7	962.7	942.8	922.9	911.6	899.6
At TP1	1,046.5	959.3	935.0	915.0	903.3	890.9
2004 Review*	-	-	-	2%	2.5%	3%
At TP2	1,045.9	-	945.3	910.1	895.2	875.8
At TP3	1,044.6	-	-	908.4	903.5	883.8

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 646 ktCO₂ were ring-fenced
- Allowances equivalent to 324 ktCO₂ were purchased

Overall, there was a net ring-fencing of 321 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the Target Unit level.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 856.0 kWh/t. This includes adjustment for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -52.4 kWh/t.

Sector performance recorded

The following table shows the sector performance against the equivalent¹⁶ baseline for all target periods to date.

	Equivalent baseline (1995)			Performance		
	Energy (kWh)	Production (tonnes)	SEC (kWh/t)	Energy (kWh)	Production (tonnes)	SEC (kWh/t)
TP1	36,724,520,644	35,090,995	1,046.6	35,405,926,764	37,501,136	944.1
TP2	36,106,722,124	34,521,949	1,045.9	35,222,598,428	37,534,208	938.4
TP3	33,432,358,654	32,006,215	1,044.6	32,558,910,722	36,483,474	892.4

Adjustment for overlap with EU ETS

15 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.

8 Target Units had their targets tightened due to double counting and 7 had their targets eased. The total net effect of double counting was an excess of 23 kt of CO₂, which resulted in an adjustment (tightening) to the sector target of -3.5 kWh/t.

Commentary

The sector performance of 892.4 kWh_p/t is above the CCA adjusted target of 856.0 kWh_p/t and, therefore, the sector has not met its target. The sector comprises 12 sub-sectors; 9 did not meet their adjusted sub-sector targets and 3 did. 15 facilities were decertified. All other facilities were recertified by meeting their targets outright, purchasing allowances, applying agreed PMOs and, in one case, by invoking a regulatory constraint that was upheld by Defra.

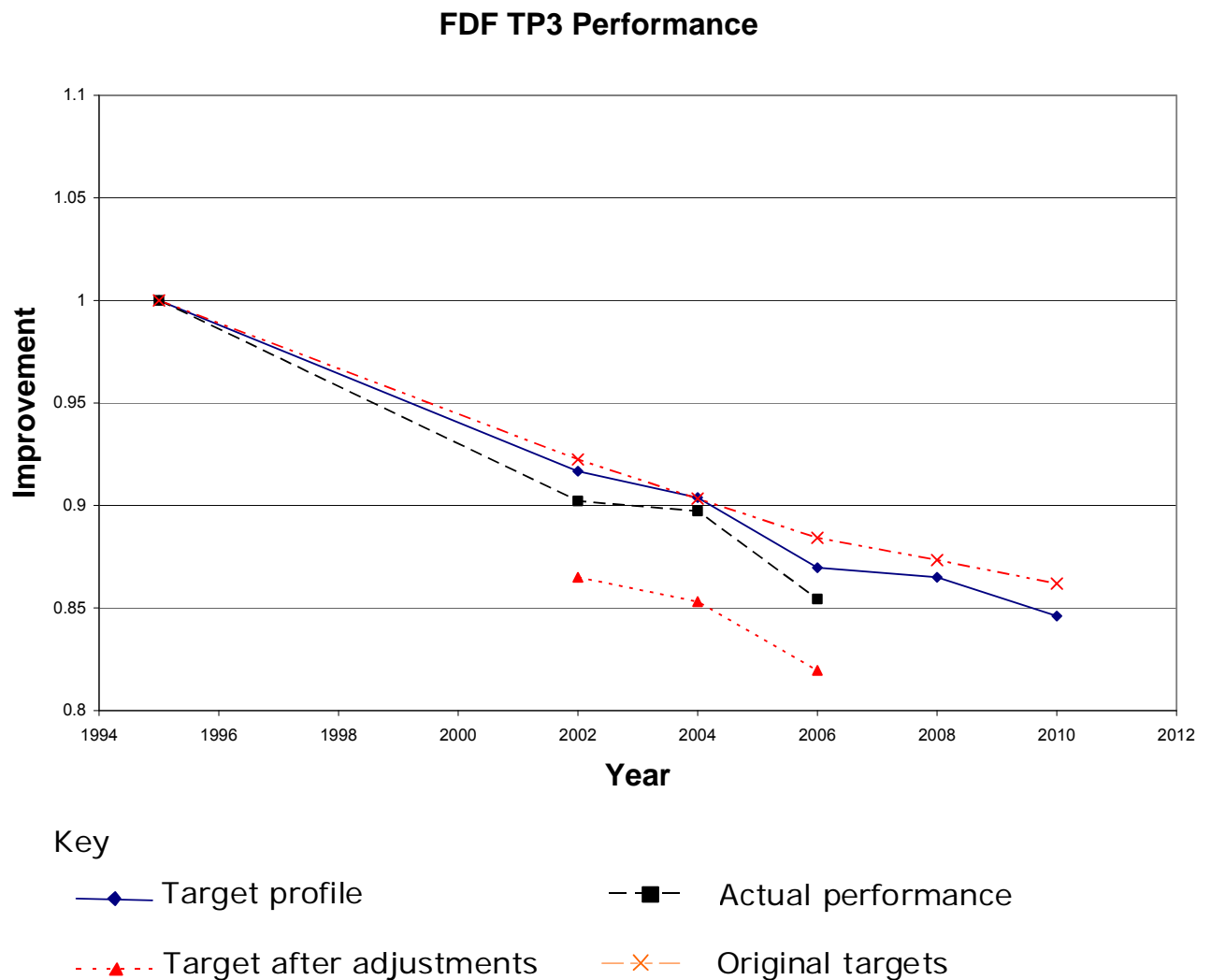
The following table shows how the sector has improved relative to the equivalent base-year (1995) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	8.3%	9.8%
TP2	9.6%	10%
TP3	13%	14%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

¹⁶ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1995) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-14	-620
TP2	-15	-732
TP3	-20	-1,000

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1995) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-4.7	-160	7
TP2	-3.2	-161	9
TP3	-3.1	-157	14

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE FOUNDRY SECTOR - (T2010)

Scope and membership of the umbrella agreement

Target 2010 is a company set up by the foundry industry to represent it for the purposes of the Climate Change Agreement (CCA). The sector covers ferrous and non-ferrous foundries in the UK.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /t)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	6,622	6,566	6,420	6,259	6,100	5,941
At TP1	6,622	6,507	6,371	6,229	6,078	5,901
2004 Review*	-	-	-	0%	0%	0%
At TP2	6,773	-	6,520	6,372	6,221	6,043
At TP3	6,764	-	-	6,385	6,239	6,068

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 93 ktCO₂ were ring-fenced
- Allowances equivalent to 44 ktCO₂ were purchased

Overall there was a net ring-fencing of 49 ktCO₂, equivalent to a sector target (tightening) of -310 kWh/t. (Note - figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the target unit level.

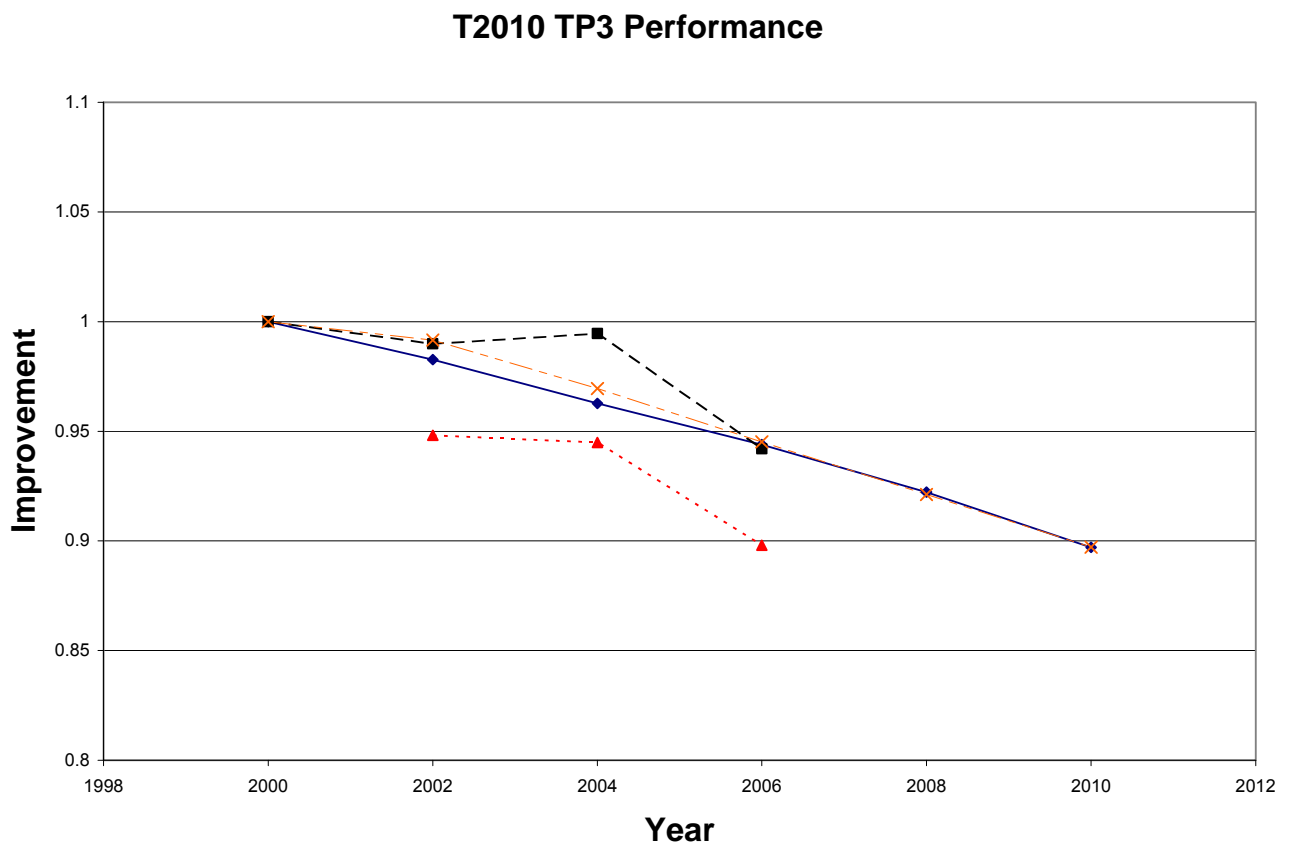
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 6,074 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ¹⁷ baseline for all target periods to date.						
	Equivalent baseline (2000)			Performance		
	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)
TP1	8,383,063,050	1,266,027	6,622	7,676,413,049	1,171,224	6,554
TP2	7,427,272,587	1,096,659	6,773	6,836,488,394	1,014,934	6,736
TP3	5,863,361,042	866,812	6,764	5,452,151,638	855,708	6,372
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS, so no adjustments were required.						
Commentary						
The sector performance of 6,372 kWh _p /t is above the CCA adjusted target of 6,074 kWh _p /t and, therefore, the sector did not meet its target. All the facilities bar one have been recertified, either because they have met their individual targets outright, or through a mixture of trading and/or product mix adjustments.						
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	1.7%			1.0%		
TP2	3.7%			0.5%		
TP3	5.6%			5.8%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

¹⁷ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-0.3	-16	
TP2	-0.1	-7	
TP3	-1.2	-62	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-2.5	-139	-7
TP2	-2.1	-114	-7
TP3	-1.5	-76	-1
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

BRITISH GLASS

Scope and membership of the umbrella agreement

British Glass represents the glass manufacturing industry in the UK, including all processes manufacturing molten glass from raw materials ('batch').

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary MWh per tonne of glass packed/processed (MWh_p/t packed). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (MWh _p /t packed)	TP1(2002) (MWh _p /t packed)	TP2(2004) (MWh _p /t packed)	TP3(2006) (MWh _p /t packed)	TP4(2008) (MWh _p /t packed)	TP5(2010) (MWh _p /t packed)
Original	3.87	3.76	3.66	3.56	3.48	3.51
At TP1	3.82	3.67	3.57	3.49	3.41	3.41
2004 Review*	-	-	-	1.0%	2.0%	3.5%
At TP2	3.69	-	3.48	3.38	3.26	3.22
At TP3	3.47	-	-	3.18	3.03	2.97

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 99 ktCO₂ were ring-fenced
- Allowances equivalent to 101 ktCO₂ were purchased

Overall, there was a net purchase of 2 ktCO₂. (Note – figures rounded for presentation.)

PMO

No product mix adjustments were invoked in this sector.

Final adjusted CCA sector target for the TP3

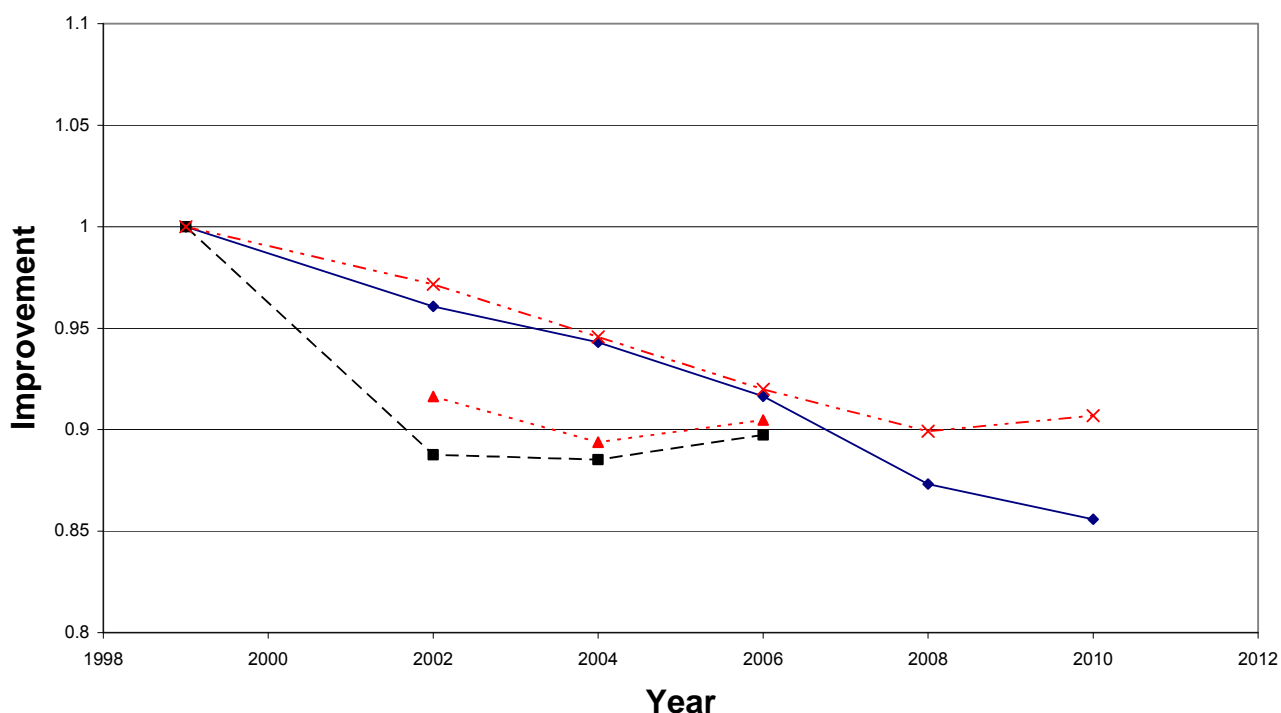
As a consequence of the adjustments, the final sector target for the TP3 was 3.14 MWh_p/t packed. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of 0.04 MWh_p/t packed.

Sector performance recorded						
The following table shows the sector performance against the equivalent ¹⁸ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (MWh)	Production (t)	SEC (MWh/t)	Energy (MWh)	Production (t)	SEC (MWh/t)
TP1	10,791,920	2,825,520	3.82	10,584,079	3,122,034	3.39
TP2	10,201,009	2,762,995	3.69	10,460,867	3,200,623	3.27
TP3	10,289,692	2,964,901	3.47	10,321,979	3,314,355	3.11
Adjustment for overlap with EU ETS						
4 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.						
2 Target Units had their targets tightened due to double counting and 2 had their targets eased. Overall there was an EU ETS excess of 25 ktCO ₂ which resulted in an adjustment (tightening) to the CCA target of -0.04 MWh/t packed. This is included within the adjusted target described above.						
Commentary						
The sector performance of 3.11 MWh _p /t packed is below the CCA adjusted target of 3.14 MWh _p /t packed and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement		Actual Improvement			
TP1	3.9%		11%			
TP2	5.7%		11%			
TP3	8.4%		10%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

¹⁸ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

BGMC TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-4.8	-250
TP2	-4.8	-250
TP3	-4.3	-226

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.8	-39	10
TP2	0.9	49	16
TP3	0.1	6	12

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

GYPSUM (GPDA)

Scope and membership of the umbrella agreement

The GPDA represents the three major manufacturers of gypsum products in the UK: British Gypsum, Lafarge Plasterboard Ltd and Knauf Drywall.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed as 'at an assumed level of throughput'. The sector association has agreed a procedure with Defra for this. Though the target appears to be an absolute one, it is in fact a relative target. Original and current target period targets for this sector are shown below in primary kWh (kWh_p) and as percentage improvements relative to the base year. Target period target values have changed because of baseline corrections and a new entrant in 2006.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p)	TP1(2002) (kWh _p)	TP2(2004) (kWh _p)	TP3(2006) (kWh _p)	TP4(2008) (kWh _p)	TP5(2010) (kWh _p)
Original	1,942,733,308	1,921,418,337	1,907,567,050	1,883,290,011	1,851,558,442	1,826,834,050
At TP1	1,998,569,890	1,976,700,401	1,962,244,655	1,937,132,444	1,904,519,248	1,878,921,483
2004 Review*	-	-	-	0%	0%	1%
At TP2	1,998,569,890	-	1,962,244,655	1,937,132,444	1,904,519,248	1,860,132,268
At TP3	2,339,833,736	-	-	2,263,287,620	2,283,802,752	2,256,292,086

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 2 ktCO₂ were purchased

Overall the net purchase of 2 ktCO₂ is equivalent to a sector target change (easing) of 9,160,637 kWh_p. (Note - figures rounded for presentation.)

PMO

Product mix adjustments were carried out at both target unit and sector level.

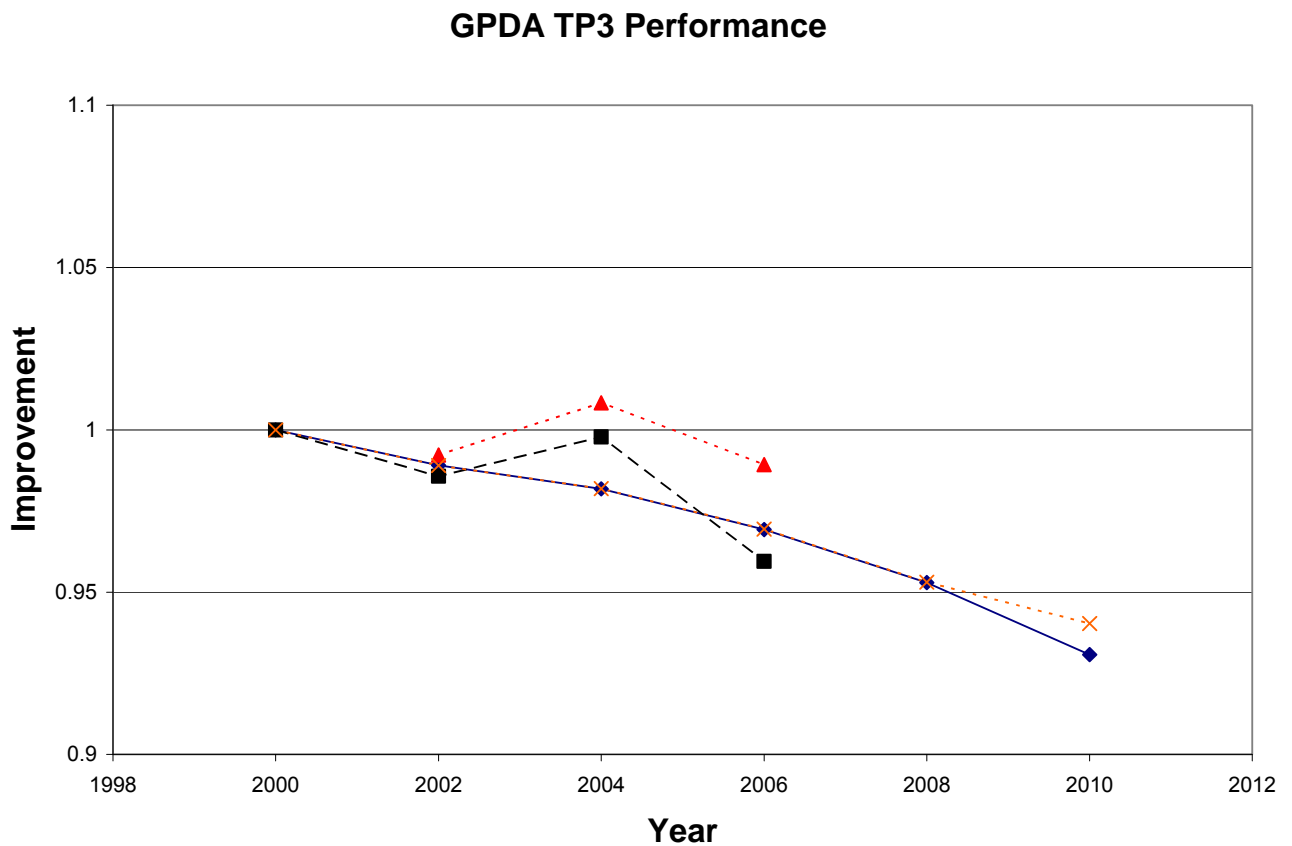
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 2,726,385,097 kWh_p.

Sector performance recorded				
The following table shows the sector performance against the equivalent ¹⁹ baseline for all target periods to date.				
	Equivalent baseline (2000)		Performance	
	Energy (kWh_p)	Production	Energy (kWh_p)	Production
TP1	1,998,569,890	Not applicable	2,110,100,697	Not applicable
TP2	1,998,569,890	Not applicable	2,266,915,806	Not applicable
TP3	2,339,833,736	Not applicable	2,644,275,484	Not applicable
Adjustment for overlap with EU ETS				
No target units reporting at TP3 are part of EU ETS so no adjustments were required.				
Commentary				
The sector performance of 2,642,335,785 kWh _p is below the CCA adjusted target of 2,726,385,461 kWh _p and, therefore, the sector has met its target. All the facilities have been recertified by meeting their targets through a mixture of trading and product mix adjustments.				
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).				
	Improvement in SEC compared with Equivalent Baseline at each Target Period			
	Target Improvement		Actual Improvement	
TP1	1.1%		1.4%	
TP2	1.8%		0.2%	
TP3	3.3%		4.1%	
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.				

¹⁹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ...▲... Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-0.1	-6	
TP2	-0.02	-1	
TP3	-0.4	-21	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	0.4	21	Not relevant
TP2	1.0	50	Not relevant
TP3	1.1	57	Not relevant
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

THE LEATHER SECTOR – (BLC)

Scope and membership of the umbrella agreement

BLC represents the leather industry in the UK, carrying out various activities from tanning of hides to production of finished leather.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh per m² (kWh_p/m²). The target sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /m ²)	TP1(2002) (kWh _p /m ²)	TP2(2004) (kWh _p /m ²)	TP3(2006) (kWh _p /m ²)	TP4(2008) (kWh _p /m ²)	TP5(2010) (kWh _p /m ²)
Original	11.62	11.39	11.16	10.93	10.70	10.48
At TP1	11.28	11.06	10.84	10.61	10.39	10.17
2004 Review*	-	-	-	0%	0%	10%
At TP2	11.09	-	10.63	10.41	10.18	8.96
At TP3	10.49	-	-	9.82	9.60	8.44

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

There was no trading or ring-fencing in this sector.

PMO

There were no product mix adjustments utilised.

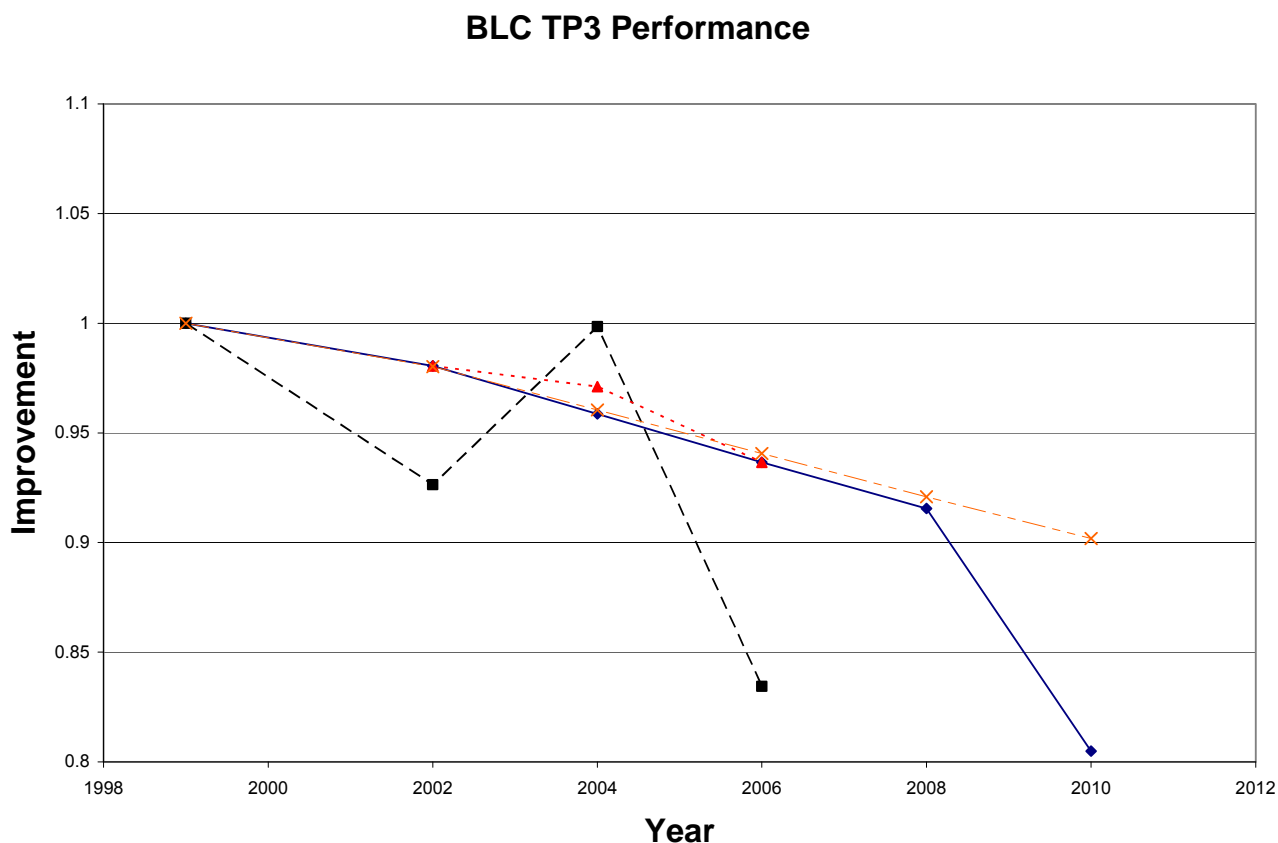
Final adjusted CCA sector target for the TP3

The final sector target for the TP3 was 9.82 kWh_p/m².

Sector performance recorded						
The following table shows the sector performance against the equivalent ²⁰ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (m²)	SEC (kWh_p/m²)	Energy (kWh)	Production (m²)	SEC (kWh_p/m²)
TP1	218,266,128	19,349,834	11.28	187,029,418	17,897,552	10.45
TP2	217,735,493	19,627,339	11.09	186,850,211	16,868,029	11.08
TP3	159,009,858	15,164,954	10.49	115,401,056	13,190,506	8.75
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS and Climate Change Agreements and so no adjustment is required.						
Commentary						
The sector performance of 8.75 kWh _p /m ² is below the CCA adjusted target of 9.82 kWh _p /m ² , and, therefore, the sector has met its target. Therefore, all facilities have been recertified.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement		Actual Improvement			
TP1	2.0%		7.4%			
TP2	4.1%		0.2%			
TP3	6.4%		16.6%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

²⁰ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.05	-3.0
TP2	-0.00	-0.1
TP3	-0.08	-4.0

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.1	-6	-8
TP2	-0.1	-6	-14
TP3	-0.2	-8	-13

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE BRITISH LIME ASSOCIATION (BLA)

Scope and membership of the umbrella agreement

The agreement embraces the vast majority of UK merchant lime production and some captive production. Lime production associated with certain other processes (mainly 'captive' lime production) is not included within this agreement.

This sector has Target Units with installations in EU ETS. The sector has provided information to show performance in the presence and absence of adjustments applied due to EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the agreement changes owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1998 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	1,018	956	952	949	940	938
At TP1	1,042	976	970	964	952	949
2004 Review*	-	-	-	0%	-0.48%	1.0%
At TP2	1,054	-	987	982	975	957
At TP3	1,029	-	-	963	955	939

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 76 ktCO₂ were ring-fenced
- Allowances equivalent to 0.3 ktCO₂ were purchased

Overall, there was a net ring-fencing of 75 ktCO₂, equivalent to a sector target change (tightening) of -97 kWh_p/t (Note - figures rounded for presentation).

PMO

Product mix adjustments were carried out purely at the Target Unit level.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 866 kWh_p/t.

Sector performance recorded

The following table shows the sector performance against the equivalent²¹ baseline for all target periods to date.

	Equivalent baseline (1998)			Performance		
	Energy (kWh _p)	Production (t)	SEC (kWh _p /t)	Energy (kWh _p)	Production (t)	SEC (kWh _p /t)
TP1	3,223,208,000	3,093,645	1,042	2,566,775,022	2,649,535	969
TP2	3,261,848,000	3,093,986	1,054	2,774,600,000	2,966,092	935
TP3	3,408,219,788	3,313,623	1,029	2,966,810,861	3,294,315	901

Adjustment for overlap with EU ETS

Three Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These facilities were required to adjust their targets for double counting between these two schemes.

Three Target Units had their targets tightened due to double counting. Overall, there was an EU ETS excess of 57 ktCO₂ which resulted in an adjustment (tightening) to the CCA target of -74 kWh_p/t.

Commentary

The sector performance of 901 kWh_p/t is above the CCA adjusted target of 866 kWh_p/t and, therefore, the sector did not meet its CCA target.

The adjustments for overlap with EU ETS changed the CCA target to 852 kWh_p/t. So, the sector still did not meet its target and, therefore, the Target Units purchased a further 46 ktCO₂ of allowances.

All facilities have been recertified by meeting their individual targets.

The following table shows how the sector has improved relative to the equivalent base-year (1998) position at each target period.

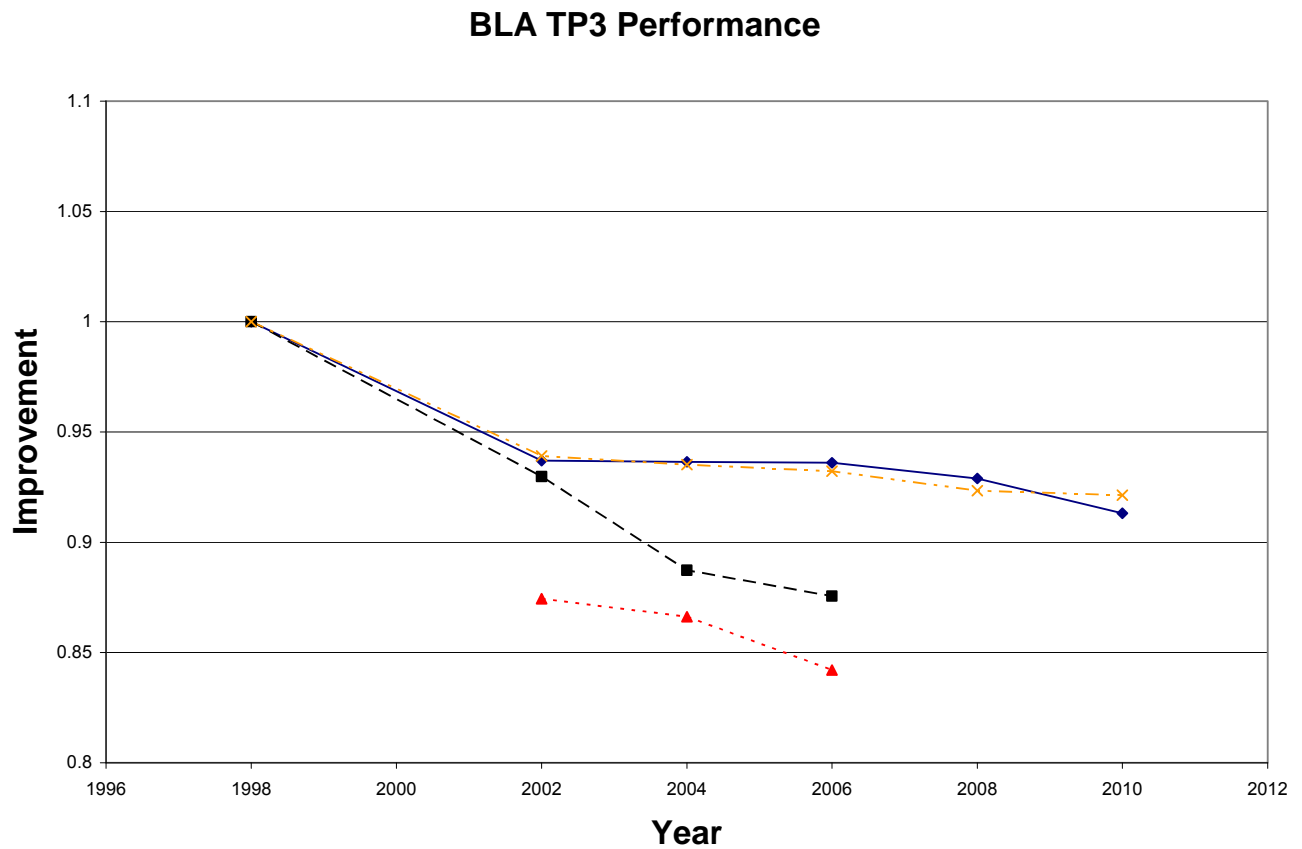
(Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

Improvement in SEC compared with Equivalent Baseline at each Target Period		
	Target Improvement	Actual Improvement
TP1	6.3%	7.0%
TP2	6.4%	11%
TP3	6.4%	12%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

²¹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ...▲... Target after adjustments
- ×— Original targets

The target after adjustments does not include adjustments associated with overlaps with EU ETS, but does include adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1998) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-0.7	-51	
TP2	-1.3	-91	
TP3	-1.5	-99	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (1998) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-2.4	-174	-14
TP2	-1.8	-125	-4
TP3	-1.6	-104	-1
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

MALTSTERS ASSOCIATION OF GREAT BRITAIN (MAGB)

Scope and membership of the umbrella agreement

The MAGB agreement covers the vast majority of the UK Malting industry.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne of malt produced (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	1,304.84	1,283.30	1,263.25	1,243.20	1,223.15	1,203.10
At TP1	1,312.39	1,290.74	1,270.58	1,250.42	1,230.26	1,210.11
2004 Review*	-	-	-	0.2%	0.6%	1.1%
At TP2	1,313.32	-	1,271.44	1,248.65	1,223.24	1,197.84
At TP3	1,313.60	-	-	1248.43	1222.83	1,197.23

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

The sector operates a collective trading arrangement that, at this target period, encompassed all target units within the sector.

- Allowances equivalent to 27 ktCO₂ were converted to allowances or ring-fenced
- Allowances equivalent to 5 ktCO₂ were purchased

Overall, there was a net over-performance of 22 ktCO₂. (Note – figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

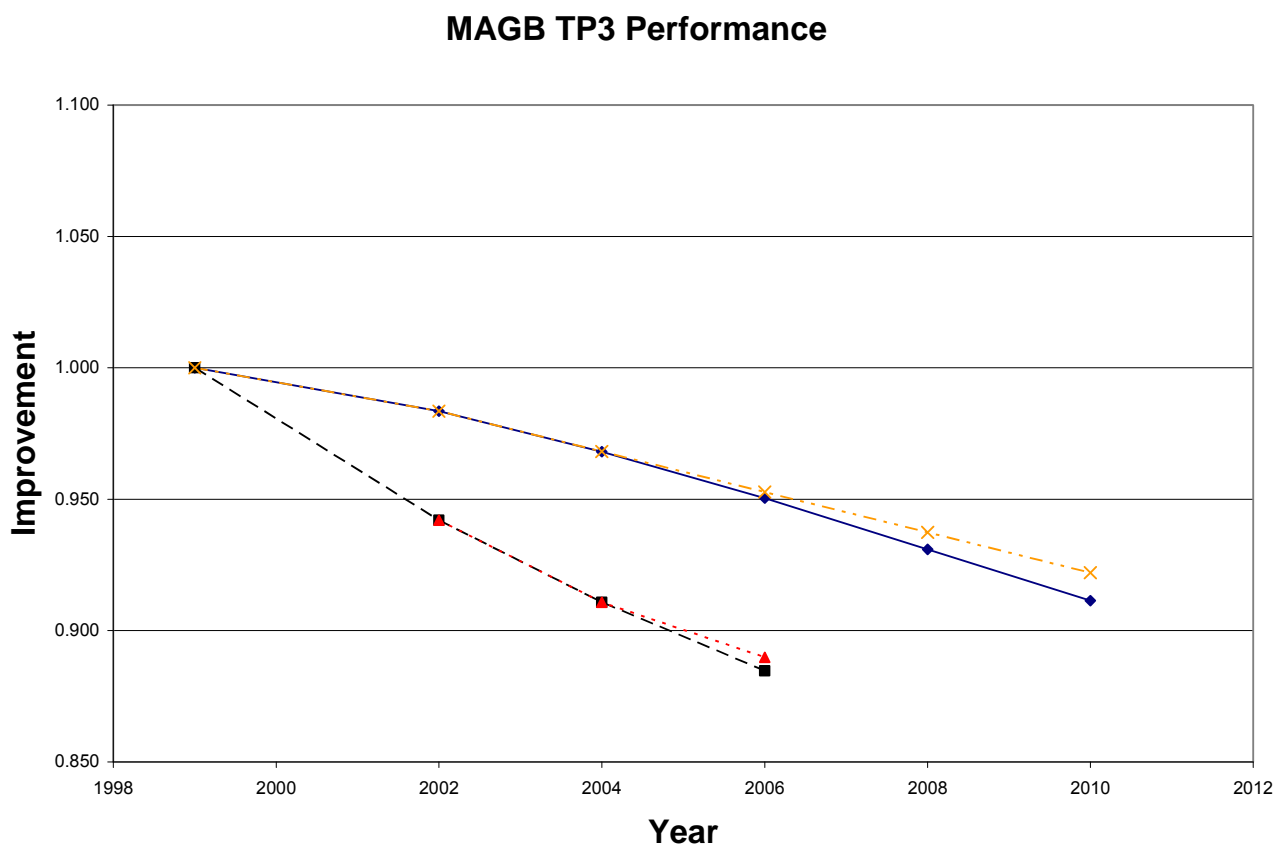
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 1,159.52 kWh_p/t. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -88.91 kWh_p/t (Note - figures rounded for presentation.)

Sector performance recorded						
The following table shows the sector performance against the equivalent ²² baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	1,965,367,485	1,497,544	1,312.39	1,926,046,075	1,557,911	1,236.30
TP2	1,965,393,095	1,488,127	1,313.32	1,956,790,709	1,635,882	1,196.17
TP3	1,819,417,258	1,385,066	1,313.60	1,706,779,189	1,468,716	1,162.09
Adjustment for overlap with EU ETS						
Three Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.						
Three Target Units had their targets tightened due to double counting. Overall, there was an EU ETS excess of 2.61 ktCO ₂ , which resulted in an adjustment (tightening) to the sector target of -9.34 kWh _p /t. This is included within the adjusted target described above.						
Commentary						
The sector performance of 1,162.09 is above the CCA adjusted target of 1,159.52 and, therefore, the sector has not met its target. All the facilities met their targets and have been re-certified. The sector met its unadjusted target, but did not meet its target after trading adjustments.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance.)						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement			Actual Improvement		
TP1	1.7%			5.8%		
TP2	3.2%			8.9%		
TP3	5.0%			11.5%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

²² Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.4	-22
TP2	-0.7	-36
TP3	-0.8	-42

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.1	-7	4
TP2	0.01	0.5	10
TP3	-0.4	-21	6

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

BRITISH POULTRY COUNCIL – POULTRY MEAT PROCESSING

Scope and membership of the umbrella agreement

The British Poultry Council poultry meat processing agreement principally covers slaughter/meat processing plants, but also a small number of feed mills that are dedicated to serving farms within companies' integrated production structures.

This sector has Target Units with installations in EU ETS. The sector has provided information to show performance both in the presence and absence of adjustments applied due to EU ETS.

Targets

The targets for this sector are given in primary kWh per tonne of production (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p / t)	TP1(2002) (kWh _p / t)	TP2(2004) (kWh _p / t)	TP3(2006) (kWh _p / t)	TP4(2008) (kWh _p / t)	TP5(2010) (kWh _p / t)
Original	743.3	689.7	680.1	670.5	661.0	651.5
At TP1	694.3	649.8	640.6	631.5	622.6	613.6
2004 Review*	-	-	-	1.5%	2.5%	3.9%
At TP2	665.1	-	611.6	594.4	580.1	563.5
At TP3	651.2	-	-	582.0	567.9	551.7

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 55 ktCO₂ were ring-fenced
- Allowances equivalent to 27 ktCO₂ were purchased

Overall, there was a net ring-fencing of 28 ktCO₂, equivalent to a sector target change (tightening) of -48.0 kWh_p/t. (Note - figures rounded for presentation).

PMO

No product mix adjustments were carried out.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 534.1 kWh_p/t.

Sector performance recorded

The following table shows the sector performance against the equivalent²³ baseline for all target periods to date.

	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh _p /t)	Energy (kWh)	Production (t)	SEC (kWh _p /t)
TP1	1,972,981,832	2,841,829	694.3	2,110,390,477	3,379,220	624.5
TP2	1,810,054,398	2,721,589	665.1	2,029,881,235	3,265,232	621.7
TP3	1,692,621,599	2,599,081	651.2	1,891,874,848	3,222,772	587.0

Adjustment for overlap with EU ETS

Two Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.

Both Target Units had their targets eased due to double counting. Overall, there was an EU ETS deficit of 6 ktCO₂ that resulted in an adjustment (easing) to the CCA target of 10.9 kWh_p/t.

Commentary

The sector performance of 587.0 kWh_p/t is above the CCA adjusted target of 534.1 kWh_p/t and, therefore, the sector did not meet its CCA target. One facility was decertified and 62 facilities recertified by meeting their targets outright or through trading.

The adjustments for overlap with EU ETS did not change the CCA target as the two facilities whose targets were eased increased their ring-fencing. The actual net trading was ring-fencing of 35 ktCO₂.

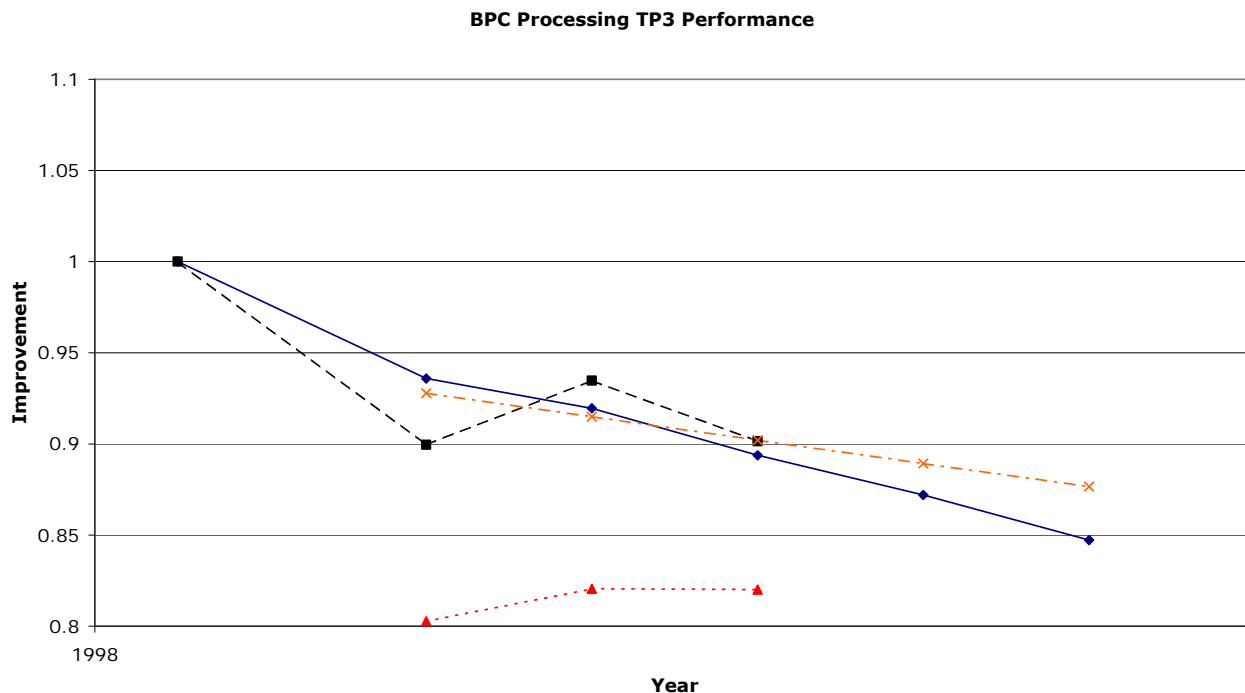
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	6.4%	10%
TP2	8.0%	6.5%
TP3	11%	10%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

²³ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments does not include adjustments associated with overlaps for EU ETS, but does include adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO2

The following table shows how the relative energy consumption and CO2 emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO2 assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.8	-38
TP2	-0.5	-26
TP3	-0.7	-38

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	0.5	30	19
TP2	0.8	40	20
TP3	0.7	36	24

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE RED MEAT PROCESSING SECTOR - BMPA (FORMERLY BMF)

Scope and membership of the umbrella agreement

The BMPA agreement covers abattoirs and primary processing for the red meat sector.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1995 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	648.6	607.3	587.6	571.5	563.3	554.9
At TP1	679.5	636.0	614.6	597.1	588.2	579.1
2004 Review*	-	-	-	0%	0%	0%
At TP2	739.4	644.2	674.4	654.9	644.8	634.7
At TP3	853.5	-	-	759.4	746.9	733.5

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 98 ktCO₂ were converted ring-fenced
- Allowances equivalent to 27 ktCO₂ were purchased

Overall there was a net ring-fencing of 71 ktCO₂, equivalent to a sector target change (tightening) of -149.7 kWh/t. (Note - figures rounded for presentation.)

PMO

This sector does not have an agreed sector level Product Mix Output algorithm. No individual product mix adjustments were invoked.

Final adjusted CCA sector target for the TP3

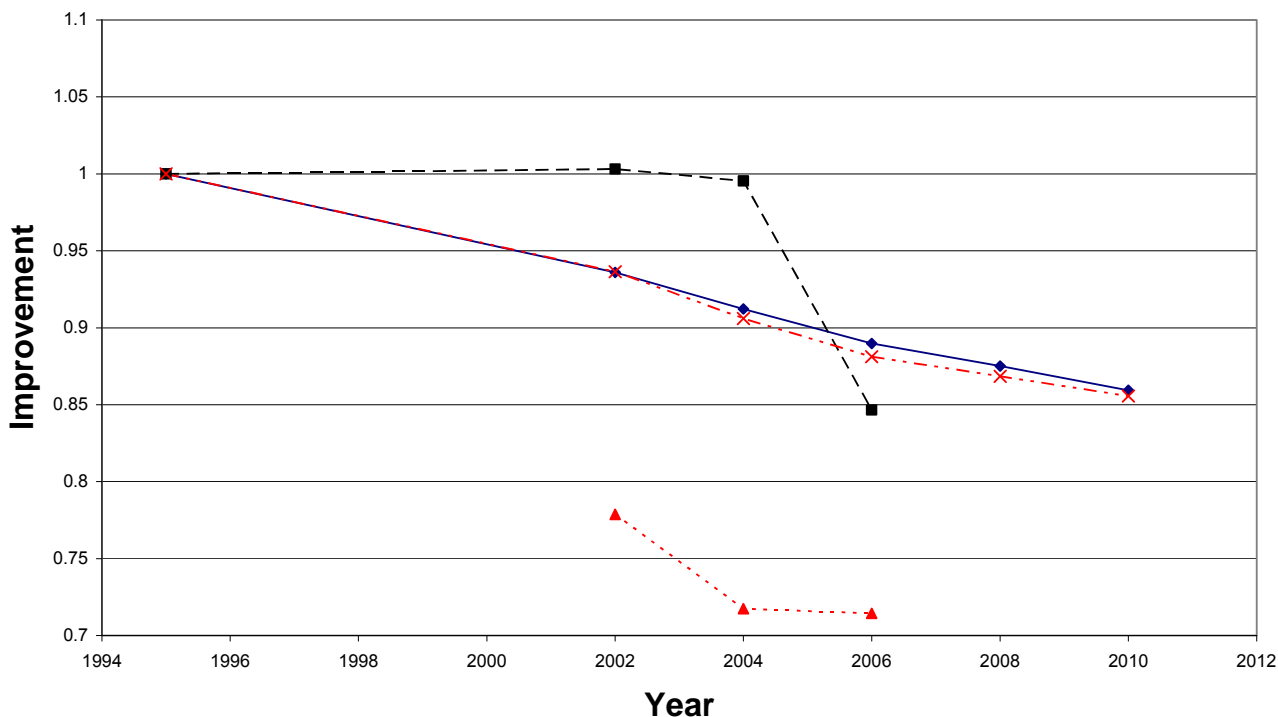
As a consequence of the adjustments described above, the final sector target for the TP3 was 609.7 kWh/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ²⁴ baseline for all target periods to date.						
	Equivalent baseline (1995)			Performance		
	Energy (kWh)	Production (tonnes)	SEC (kWh/t)	Energy (kWh)	Production (tonnes)	SEC (kWh/t)
TP1	1,603,882,570	2,360,475	679.5	1,528,147,898	2,242,045	681.6
TP2	1,814,611,237	2,454,888	739.2	1,904,325,410	2,588,094	735.8
TP3	1,770,467,699	2,074,330	853.5	1,949,520,705	2,698,445	722.5
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector met its unadjusted target, but did not meet its adjusted target. Three facilities with absolute targets had them tightened under previously agreed procedures because of falls in throughput, relative to the agreed reference values, of greater than 10%. There was one decertification and three non-respondents. All of the other facilities were recertified as they met their target outright or purchased sufficient allowances. In addition, one TU claimed a regulatory constraint that was upheld; this TU also purchased allowances to pass its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1995) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement			Actual Improvement		
TP1	6.4%			-0.31%		
TP2	8.8%			0.46%		
TP3	11%			15%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

²⁴ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

BMF (BMPA) TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1995) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	0.02	-12
TP2	-0.03	-2
TP3	-1.27	-62

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care

should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base year (1995) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)	Production (%)
TP1	-0.3	-27	-5
TP2	0.3	16	5
TP3	0.6	31	30

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

CONFEDERATION OF BRITISH METALFORMING (CBM)

Scope and membership of the umbrella agreement

CBM represents the forging and metal forming industry in the UK. Members of the industry produce a wide range of products, chiefly for the automotive and aerospace industries.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /t)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	12,537	12,361	12,186	12,010	11,835	11,659
At TP1	2,757	2,719	2,680	2,642	2,603	2,564
2004 Review*				16%	17.3%	20%
At TP2	2,691		2,616	2,166	2,101	2,002
At TP3	2,645			2,129	2,066	1,968

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 136 ktCO₂ were ring-fenced
- Allowances equivalent to 30 ktCO₂ were purchased

Overall there was a net ring-fencing of 107 ktCO₂, equivalent to a sector target change (tightening) of -594 kWh_p/t. (Note - figures rounded for presentation).

PMO

Product mix adjustments were carried out purely at the target unit level.

Final adjusted CCA sector target for the TP3
As a consequence of the adjustments described above, the final sector target for the TP3 was 1,508 kWh_p/t.

Sector performance recorded
The following table shows the sector performance against the equivalent²⁵ baseline for all target periods to date.

	Equivalent baseline (2000)			Performance		
	Energy (kWh _p)	Production (tonnes)	SEC (kWh _p /t)	Energy (kWh _p)	Production (tonnes)	SEC (kWh _p /t)
TP1	2,486,933,514	901,903	2,757	2,351,370,405	947,977	2,480
TP2	2,543,308,537	945,225	2,691	2,396,000,688	1,083,432	2,211
TP3	2,463,073,486	931,212	2,645	2,255,614,392	1,013,793	2,225

Adjustment for overlap with EU ETS
No target units reporting at TP3 are part of EU ETS so no adjustments were required.

Commentary
The sector performance of 2,225 kWh_p/t is above the CCA adjusted target of 1,508 kWh_p/t and, therefore, the sector has not met its target. All the facilities have been recertified, with one exception, either because they have met their individual targets outright, or through trading and/or product mix adjustments.

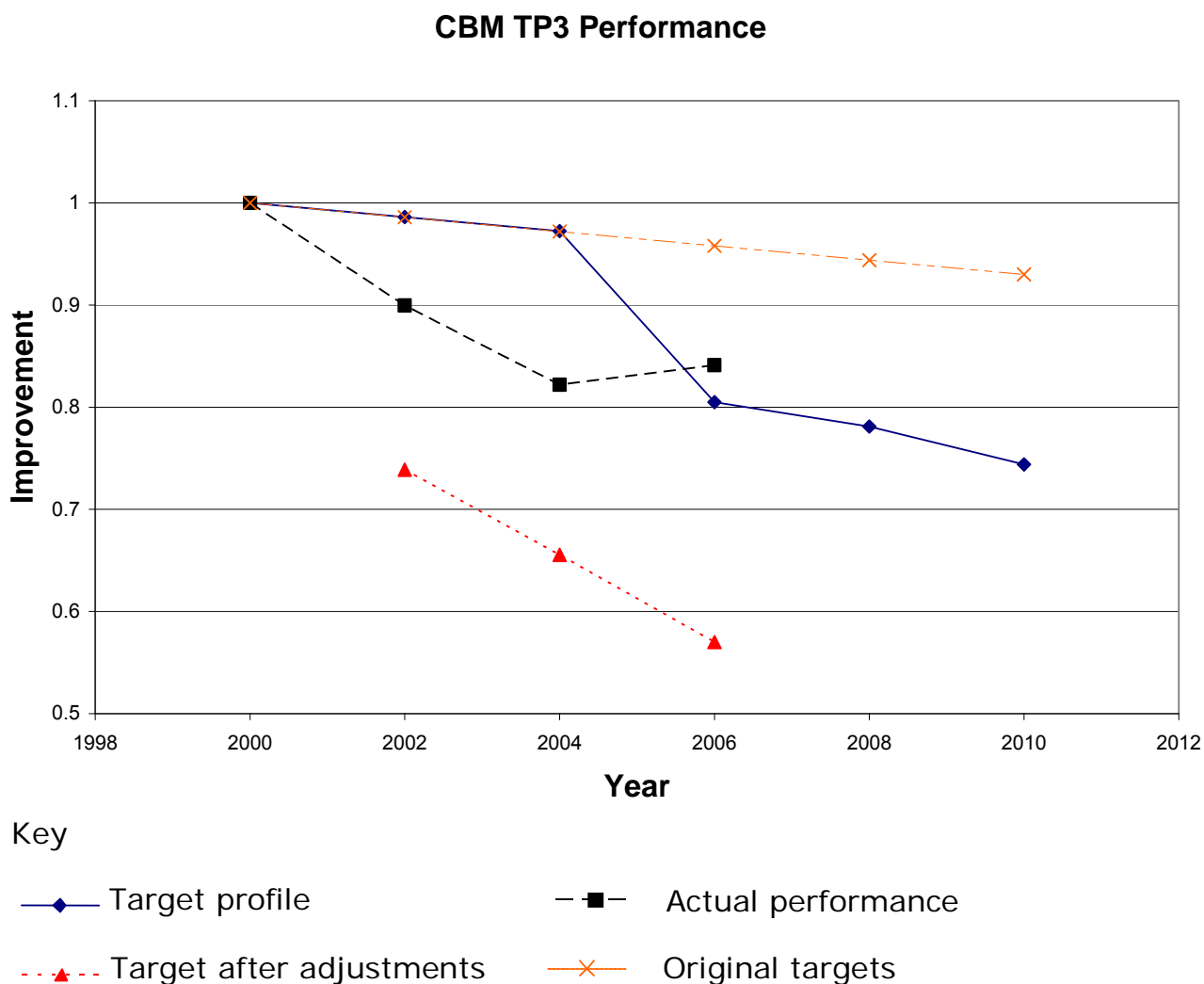
The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	1.4%	10%
TP2	2.8%	18%
TP3	19.5%	16%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

²⁵ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.9	-46
TP2	-1.9	-92
TP3	-1.5	-76

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.5	-23	5
TP2	-0.5	-26	15
TP3	-0.7	-37	9

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

METAL PACKAGING (MPMA)

Scope and membership of the umbrella agreement

MPMA represents the manufacturers of various metal packing products in the UK, including beverage and food cans and closures (eg bottle tops).

This sector has no Target Units that have installations in EU ETS.

Targets

The sector target is expressed in terms of kilograms of carbon (kgC), at a particular level of production. This target assumes no growth in production and static product mix. The sector agreement is a relative carbon agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kgC)	TP1(2002) (kgC)	TP2(2004) (kgC)	TP3(2006) (kgC)	TP4(2008) (kgC)	TP5(2010) (kgC)
Original	82,838,675	79,525,128	78,282,548	77,039,968	76,211,581	75,383,194
At TP1	80,303,988	77,091,828	75,887,268	74,682,709	73,879,669	73,076,629
2004 Review*	-	-	-	1%	1%	2%
At TP2	78,780,759	-	74,575,260	72,533,445	71,753,515	70,256,681
At TP3	78,180,018	-	-	71,980,343	71,206,361	69,720,940

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 23 ktCO₂ were ring-fenced
- Allowances equivalent to 6 ktCO₂ were purchased

Overall there was a net ring-fencing of 17 ktCO₂, equivalent to a sector target change (tightening) of -4,476,107 kgC. (Note - figures rounded for presentation.)

PMO

A product mix adjustment was carried out at sector level. The sector PMO was equivalent to an easing of 4,282,133 kgC.

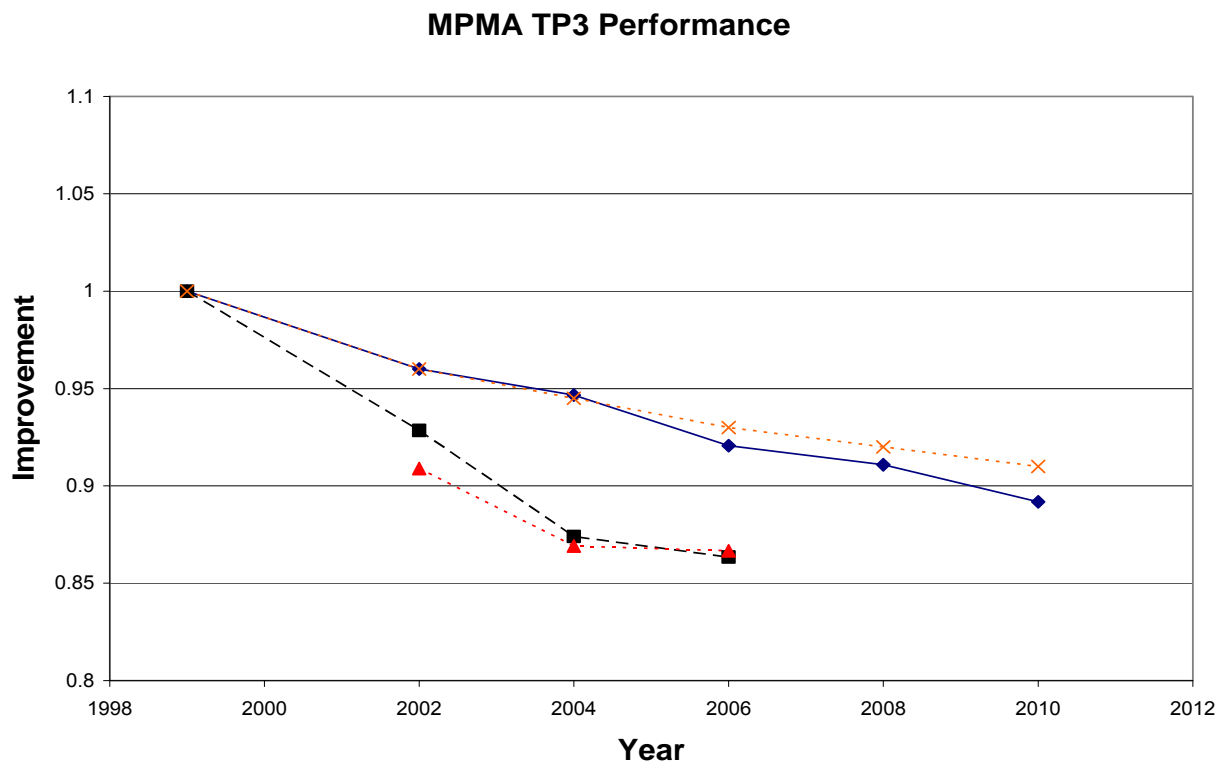
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 71,786,369 kgC.

Sector performance recorded						
The following table shows the sector performance against the equivalent ²⁶ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Carbon (kg)	Production (kg)	SCC (kgC/kg)	Carbon (kg)	Production (kg)	SCC (kgC/kg)
TP1	80,303,988	28,943,205,391	0.00277	75,296,282	29,837,802,567	0.00252
TP2	78,780,759	25,225,035,496	0.00312	73,102,420	27,154,323,918	0.00269
TP3	78,180,018	25,233,963,496	0.00310	71,516,687	27,671,401,730	0.00258
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 71,516,687 kgC is below the CCA adjusted target of 71,786,369 kgC and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SCC compared with Equivalent Baseline at each Target Period						
	Target Improvement		Actual Improvement			
TP1	4.0%		6%			
TP2	5.3%		13%			
TP3	7.9%		14%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

²⁶ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-0.6	-28	
TP2	-0.8	-39	
TP3	-0.9	-41	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.4	-18	3
TP2	-0.4	-21	8
TP3	-0.5	-24	10
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

THE SOCIETY OF MOTOR MANUFACTURERS AND TRADERS (SMMT)

Scope and membership of the umbrella agreement

SMMT represents the major motor manufacturing companies in the UK, including manufacturers of cars, vans, heavy goods vehicles and automotive components.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per vehicle (kWh_p/vehicle). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1995 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /vehicle)	TP1(2002) (kWh _p /vehicle)	TP2(2004) (kWh _p /vehicle)	TP3(2006) (kWh _p /vehicle)	TP4(2008) (kWh _p /vehicle)	TP5(2010) (kWh _p /vehicle)
Original	3,298	3,036	2,962	2,881	2,839	2,792
At TP1	3,403	3,147	3,069	2,980	2,930	2,876
2004 Review	-	-	-	3%	3%	4%
At TP2	3,873	-	3,569	3,372	3,316	3,225
At TP3	4,340	-	-	3,821	3,886	3,778

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 288 ktCO₂ were ring-fenced
- Allowances equivalent to 23 ktCO₂ were purchased

Overall, there was a net ring-fencing of 265 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the Target Unit level.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 2,432 kWh_p/vehicle. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of –1,388 kWh_p/vehicle.

Sector performance recorded

The following table shows the sector performance against the equivalent²⁷ baseline for all target periods to date.

	Equivalent baseline (1995)			Performance		
	Energy (kWh)	Production (Vehicles)	SEC (kWh/vehicle)	Energy (kWh)	Production (Vehicles)	SEC (kWh/vehicle)
TP1	4,994,721,611	1,467,581	3,403	4,799,434,116	1,708,788	2,809
TP2	5,128,820,799	1,324,202	3,873	5,069,356,816	1,875,030	2,704
TP3	5,307,447,471	1,222,787	4,340	4,351,510,100	1,709,737	2,545

Adjustment for overlap with EU ETS

12 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.

All 12 Target Units had their targets tightened due to double counting. The total net effect of double counting was an excess of 168,125 tonnes of CO₂, which resulted in an adjustment (tightening) to the sector target of -535 kWh_p/vehicle. This is included within the adjusted target described above.

Commentary

The sector performance of 2,545 kWh_p/vehicle is above the CCA adjusted target of 2,432 kWh_p/vehicle and, therefore, the sector has not met its target. All facilities have been recertified either because they have met their individual targets outright, or through a mixture of trading and/or product mix. One site was subject to a target correction due to its throughput falling by more than 10% of its assumed level. This is included within the adjusted target described above.

The following table shows how the sector has improved relative to the equivalent base-year (1995) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

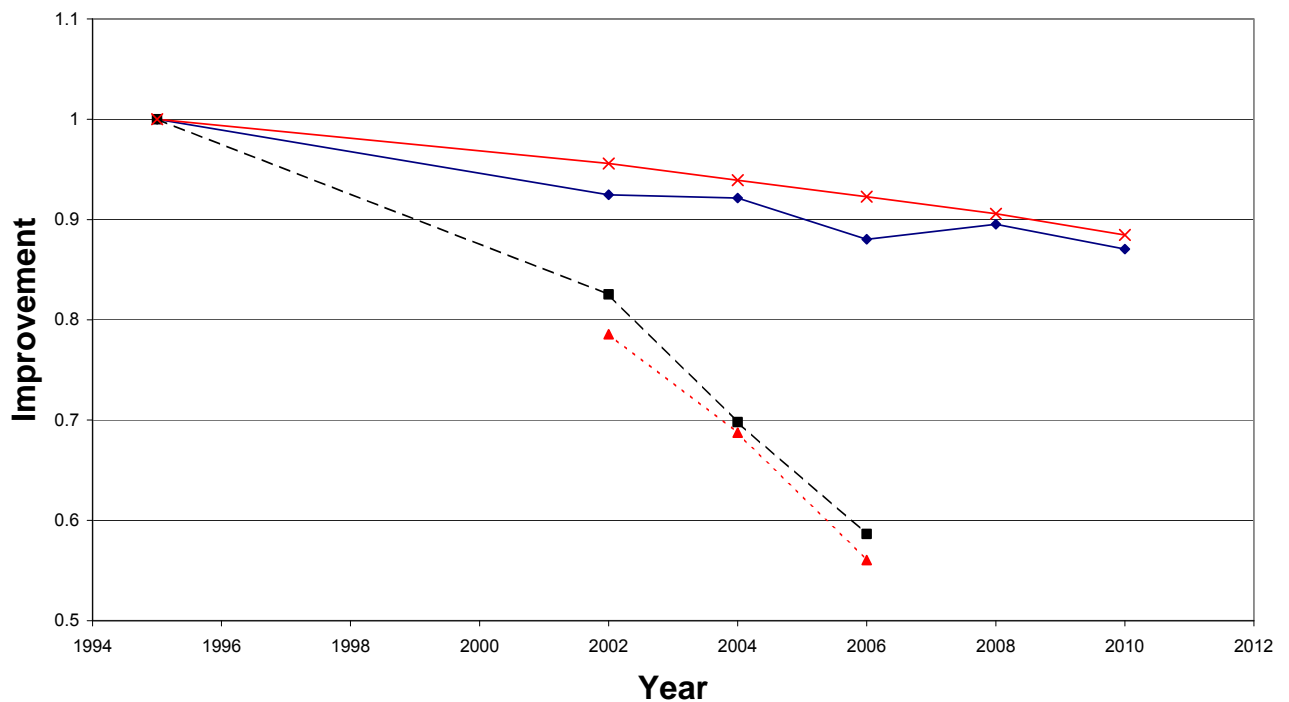
Improvement in SEC compared with Equivalent Baseline at each Target Period		
	Target Improvement	Actual Improvement
TP1	7.5%	17%
TP2	7.9%	30%
TP3	12%	41%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

²⁷ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

SMMT TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps with EU ETS, as well as adjustments due to trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1995) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-3.7	-185
TP2	-7.9	-398
TP3	-11.1	-554

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1995) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.7	-36	16
TP2	-0.2	-11	42
TP3	-3.4	-173	40

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

NATIONAL FARMERS UNION (NFU) – THE PIG INDUSTRY

Scope and membership of the umbrella agreement

The NFU pigs agreement covers sites undertaking the intensive rearing of pigs.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per kilogram (kWh_p/kg) of live weight. The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data. (However, at TP1 only, the sector targets were not adjusted).

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /kg)	TP1(2002) (kWh _p /kg)	TP2(2004) (kWh _p /kg)	TP3(2006) (kWh _p /kg)	TP4(2008) (kWh _p /kg)	TP5(2010) (kWh _p /kg)
Original	1.178	1.104	1.058	1.035	1.001	0.966
At TP1	1.178	1.104	1.058	1.035	1.001	0.966
2004 Review*	-	-	-	11.3%	10.6%	11.0%
At TP2	1.281	-	1.131	0.982	0.956	0.919
At TP3	1.271	-	-	0.974	0.949	0.911

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 2 ktCO₂ were purchased

Overall there was a net purchase of 2 ktCO₂, equivalent to a sector target change (easing) of 0.049 kWh_p/kg. (Note - figures rounded for presentation.)

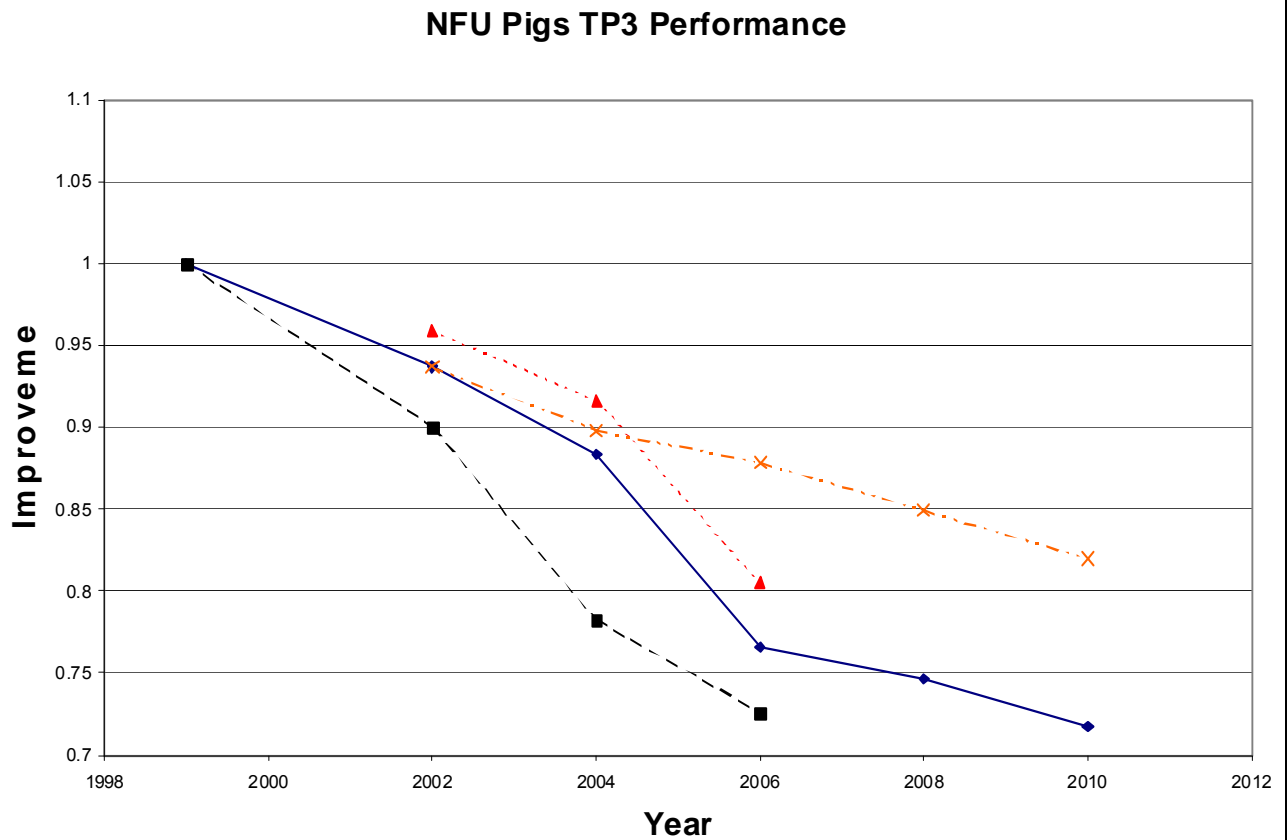
PMO

No product mix adjustments were carried out.

<p>Final adjusted CCA sector target for the TP3 As a consequence of the adjustments described above, the final sector target for the TP3 was 1.023 kWh_p/kg.</p>						
<p>Sector performance recorded The following table shows the sector performance against the equivalent²⁸ baseline for all target periods to date.</p>						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (kg)	SEC (kWh _p /kg)	Energy (kWh)	Production (kg)	SEC (kWh _p /kg)
TP1*	449,754,685	366,745,044	1.226	374,326,219	353,132,242	1.060
TP2	343,374,784	267,975,253	1.281	271,263,380	270,487,096	1.003
TP3	312,196,679	245,634,153	1.271	249,381,302	270,356,448	0.922
<p>* This is the equivalent baseline for those target units that reported at TP1, although the sector target at TP1 was not adjusted for entrants and exits.</p>						
<p>Adjustment for overlap with EU ETS No target units reporting at TP3 are part of EU ETS so no adjustments were required.</p>						
<p>Commentary The sector performance of 0.922 kWh_p/kg is below the CCA adjusted target of 1.023 kWh_p/kg, and therefore the sector has met its target. All facilities have been recertified because the sector target has been met, as adjusted for trading.</p> <p>The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).</p>						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1*	6.3%			10%		
TP2	12%			22%		
TP3	23%			27%		
<p>NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.</p> <p>* The TP1 figures here are relative to the unchanged target and its baseline, rather than the baseline equivalent to those that reported.</p>						

²⁸ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-0.2	-11	
TP2	-0.3	-13	
TP3	-0.3	-16	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.3	-14	-4
TP2	-0.3	-13	0.9
TP3	-0.2	-11	10
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

THE NON-FERROUS METALS SECTOR (NFA)

Scope and membership of the umbrella agreement

NFA represents the non-ferrous metals sector – copper, zinc, lead, nickel, and galvanizers and battery manufacturers. Aluminium is the subject of a separate agreement.

This sector has Target Units that have installations in EU ETS.

Targets

Original and current milestone targets for this sector are shown below as primary kWh (kWh_p). The targets for this sector are expressed as 'at an assumed level of throughput' and the sector has agreed a procedure with Defra for this. These targets change with time because of baseline corrections, entrants and exits. The improvement built into the targets is based on the target year performance at the predicted level of throughput for the target period, compared with the base-year performance at that same predicted level of throughput.

The following table shows the targets and equivalent 1998 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p)	TP1(2002) (kWh _p)	TP2(2004) (kWh _p)	TP3(2006) (kWh _p)	TP4(2008) (kWh _p)	TP5(2010) (kWh _p)
Original	5,176,838,835	5,568,437,819	5,939,713,376	5,976,922,362	5,716,221,438	5,776,580,063
At TP1	5,986,760,187	6,345,235,016	6,705,213,171	6,722,001,578	6,437,918,013	6,470,971,972
2004 Review*	-	-	-	7.67%	6.88%	6.15%
At TP2	4,410,409,782	-	4,757,303,923	4,442,372,516	4,463,706,018	4,478,409,612
At TP3	4,388,016,950	-	-	4,200,830,922	4,210,131,187	4,213,410,678

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 63 ktCO₂ were ring-fenced
- Allowances equivalent to 8 ktCO₂ were purchased

Overall, there was a net ring-fencing of 54 ktCO₂. (Note – figures rounded for presentation.)

PMO

The sector has an agreed methodology for adjusting the targets for throughput; this resulted in a net change to the sector target of -478,196,570 kWh_p.

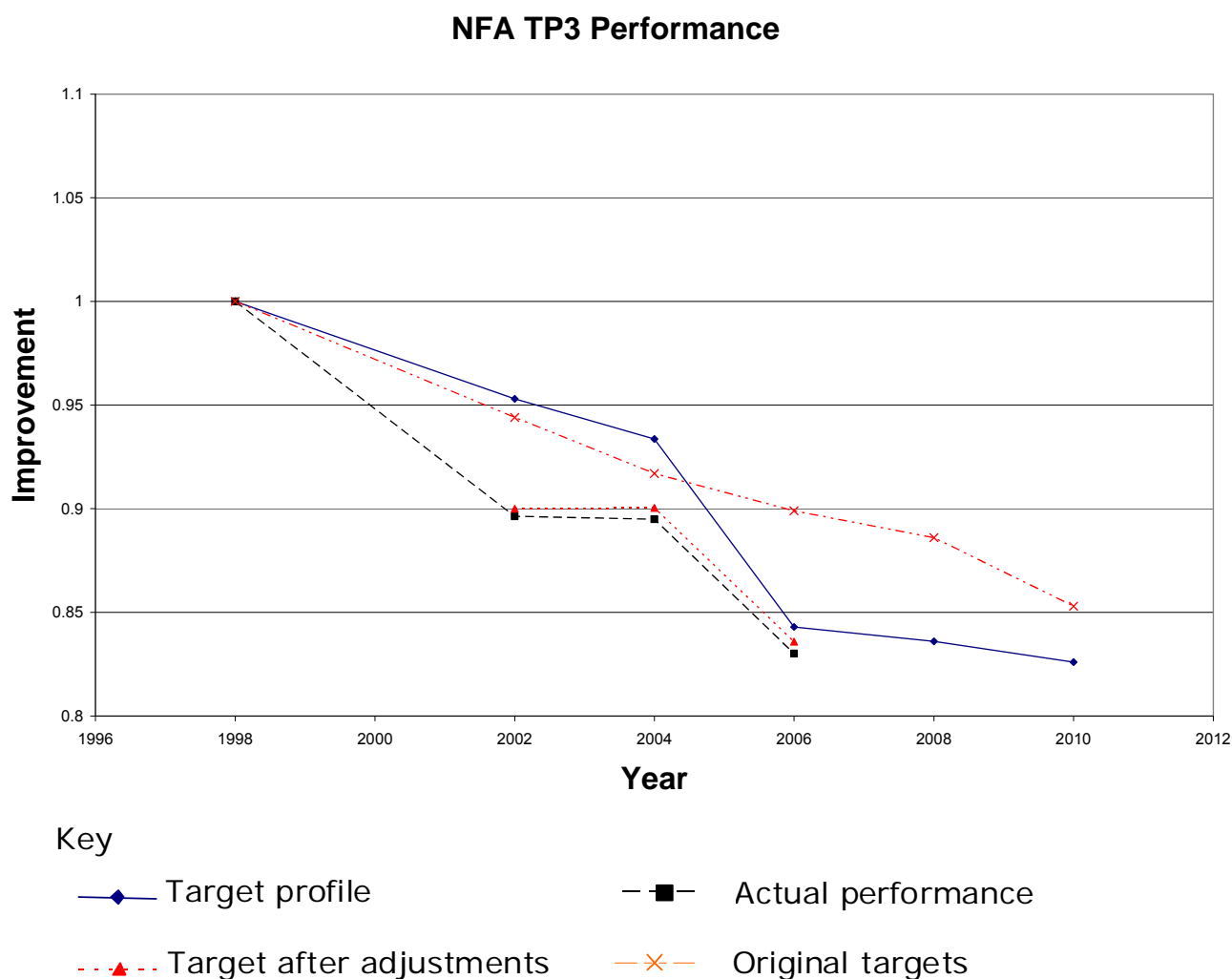
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 3,400,525,534 kWh_p. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -296,700,830 kWh_p.

Sector performance recorded						
The following table shows the sector performance against the equivalent ²⁹ baseline for all target periods to date.						
	Equivalent baseline (1998)			Performance		
	Energy (kWh_p)	Production	SEC	Energy (kWh_p)	Production	SEC
TP1	5,986,760,187	n/a	n/a	5,380,280,623	n/a	n/a
TP2	4,410,409,782	n/a	n/a	3,947,755,102	n/a	n/a
TP3	4,388,016,950	n/a	n/a	3,377,244,326	n/a	n/a
Adjustment for overlap with EU ETS						
One Target Unit reporting at TP3 was part of EU ETS and Climate Change Agreements. This Target Unit was required to adjust its target for double counting between these two schemes.						
One Target Unit had its target tightened due to double counting. The total net effect of double counting was a deficit of 4 ktCO ₂ which resulted in an adjustment (tightening) of -25,407,988 kWh.						
Commentary						
The sector performance of 3,377,244,326 kWh _p is below the CCA adjusted target of 3,400,525,534 kWh _p and, therefore, the sector has met its target. All facilities have been recertified as the sector has met its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1998) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement		Actual Improvement			
TP1	4.7%		10%			
TP2	6.6%		11%			
TP3	4.3%		17%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

²⁹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with overlaps with EU ETS as well as adjustments due to trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1998) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-2.2	-137
TP2	-1.7	-78
TP3	-2.5	-125

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care

should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1998) position for each target period. The percentage change in throughput is not shown as the sector uses mixed units to calculate its throughput. (Negative values imply a fall in emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-2.2	-134	n/a
TP2	-1.7	-78	n/a
TP3	-3.6	-183	n/a

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

CONFEDERATION OF PAPER INDUSTRIES (CPI)

Scope and membership of the umbrella agreement

The Confederation of Paper Industries (CPI – formerly known as The Paper Federation) represents the paper industry in the UK. The CPI CCA covers all eligible facilities of the UK paper manufacturing industry.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t) of paper produced. The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The baseline represents the best equivalent figure for the performance of the UK paper manufacturing industry as a whole in 1990 and, consequently, is not altered for any exits or entrants from the agreement. The baseline does not form part of the CCA and is used only for comparative purposes.

The following table shows the targets and equivalent 1990 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /t)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	6,576	4,659	4,420	4,199	4,090	3,959
At TP1	6,576	4,637	4,416	4,349	4,265	4,163
2004 Review*	-	-	-	2.78%	2.21%	2.60%
At TP2	6,576	-	4,454	4,264	4,205	4,088
At TP3	6,576	-	-	4,287	4,215	4,098

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

The sector operates a collective trading arrangement, which at this target period encompassed all but one target unit within the sector.

Overall, there was a net ring-fencing of 230 ktCO₂. (Note – figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 4,060 kWh_p/t. This includes adjustments for EU ETS adjustments (see details below) and is

equivalent to a sector target change (tightening) of $-228 \text{ kWh}_p/\text{t}$. (Note - figures rounded for presentation.)

Sector performance recorded

The following table shows the sector performance against the equivalent³⁰ baseline for all target periods to date.

	Equivalent baseline (1990)			Performance		
	Energy (kWh)	Production (t)	SEC (kWh_p/t)	Energy (kWh)	Production (t)	SEC (kWh_p/t)
TP1	25,902,356,203	3,939,080	6,576	28,595,774,290	6,388,404	4,476
TP2	25,902,356,203	3,939,080	6,576	27,216,229,382	6,358,595	4,280
TP3	25,902,356,203	3,939,080	6,576	22,856,344,695	5,630,279	4,060

Adjustment for overlap with EU ETS

Two Target Units within the sector trading group reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.

Overall, there was an EU ETS excess of 12 ktCO_2 which resulted in an adjustment (tightening) to the sector target of $-11 \text{ kWh}_p/\text{t}$. This is included within the adjusted target described above.

Commentary

The sector performance of $4,060 \text{ kWh}_p/\text{t}$ is below the CCA and EU ETS overlap adjusted target of $4,060 \text{ kWh}_p/\text{t}$ when the numbers are shown at higher precision and, therefore, the sector has met its target. All facilities have been recertified as the sector passes its target.

The effect of the tightened targets because of the overlap adjustment for double counting was a reduction in the sector over-performance, which was ring-fenced and then banked as allowances.

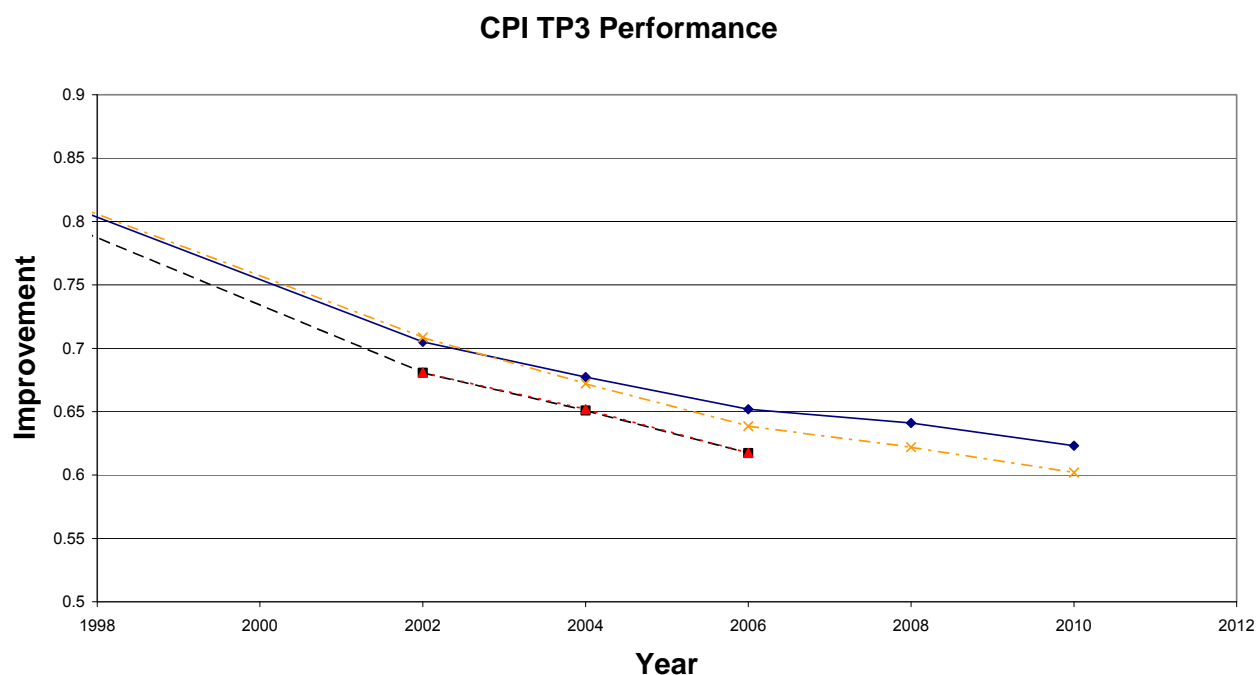
The following table shows how the sector has improved relative to the equivalent base-year (1990) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	30%	32%
TP2	32%	35%
TP3	35%	38%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

³⁰ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1990) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-49.0	-2,600
TP2	-52.5	-2,758
TP3	-51.0	-2,683

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1990) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	9.7	510	62
TP2	4.7	248	61
TP3	-11.0	-577	43

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

NATIONAL FARMERS UNION (NFU) – POULTRY MEAT REARING

Scope and membership of the umbrella agreement

The NFU poultry meat rearing agreement covers sites undertaking the intensive rearing of poultry for meat.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per kilogram of live weight (kWh_p/kg). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data. (However, at TP1 only, the sector targets were not adjusted.)

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p / kg)	TP1(2002) (kWh _p / kg)	TP2(2004) (kWh _p / kg)	TP3(2006) (kWh _p / kg)	TP4(2008) (kWh _p / kg)	TP5(2010) (kWh _p / kg)
Original	0.765	0.731	0.713	0.690	0.668	0.653
At TP1	0.765	0.731	0.713	0.690	0.668	0.653
2004 Review*	-	-	-	22.7%	22.7%	22.7%
At TP2	1.230	-	1.134	0.846	0.818	0.799
At TP3	1.255	-	-	0.863	0.834	0.815

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 1 ktCO₂ were ring-fenced
- Allowances equivalent to 9 ktCO₂ were purchased

Overall there was a net purchase of 8 ktCO₂, equivalent to a sector target change (easing) of 0.073 kWh_p/kg (Note - figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

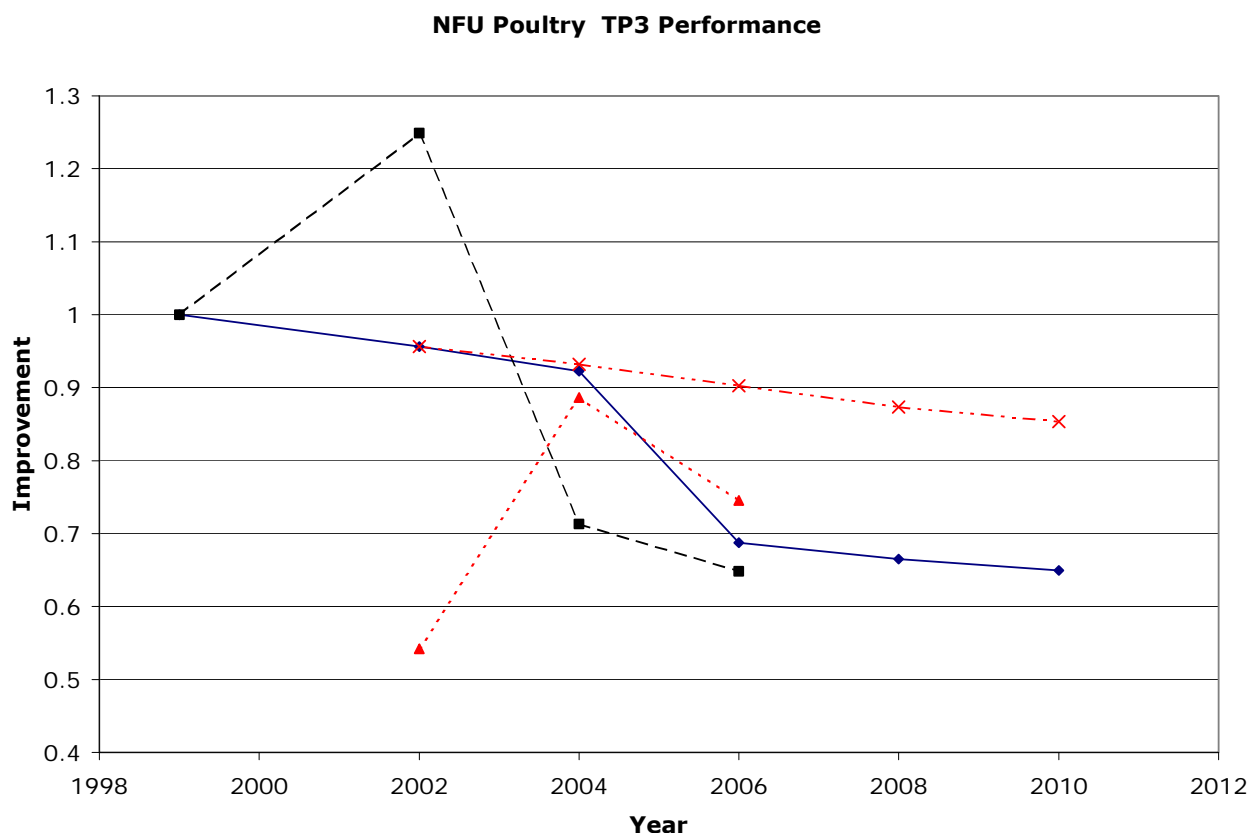
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 0.936 kWh_p/kg.

Sector performance recorded						
The following table shows the sector performance against the equivalent ³¹ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (kg)	SEC (kWh _p /kg)	Energy (kWh)	Production (kg)	SEC (kWh _p /kg)
TP1*	623,752,307	530,011,862	1.177	576,782,605	604,206,439	0.955
TP2	559,596,594	455,045,922	1.230	478,721,051	546,096,662	0.877
TP3	545,236,392	434,366,661	1.255	456,840,957	561,347,687	0.814
* This is the equivalent baseline for those target units that reported at TP1, although the sector target at TP1 was not adjusted for entrants and exits.						
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 0.814 kWh _p /kg is below the CCA adjusted target of 0.936 kWh _p /kg, and, therefore, the sector has met its target. All facilities have been recertified because the sector target has been met, as adjusted for trading.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Change in SEC compared with Equivalent Baseline at each Target period						
	Target Improvement			Actual Improvement		
TP1*	4.3%			-25%		
TP2	7.8%			29%		
TP3	31%			35%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						
* The TP1 figures here are relative to the unchanged target and its baseline, rather than the baseline equivalent to those that reported.						

³¹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput had remained constant at the target period throughput level. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Annual Change in Relative Energy and CO₂ compared with Equivalent Baseline	
	Energy (PJ)	CO₂ (kilotonnes)
TP1	-0.5	-28
TP2	-0.7	-40
TP3	-0.9	-51

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Annual Change in Absolute Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)	Production (%)
TP1	-0.2	-10	14
TP2	-0.3	-17	20
TP3	-0.3	-18	29

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

BRITISH POULTRY COUNCIL – POULTRY MEAT REARING

Scope and membership of the umbrella agreement

The British Poultry Council Poultry Meat Rearing Agreement covers sites undertaking the intensive rearing of poultry for meat. The scope of this agreement is essentially the same as that for the NFU Poultry Meat Rearing agreement, but participants in the BPC agreement tend to be the larger, integrated producers.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne of production (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /t)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	1,498	1,425	1,392	1,351	1,310	1,283
At TP1	1,490	1,414	1,381	1,340	1,299	1,271
At TP2	1,475	-	1,296	1,137	1,106	1,081
2004 Review*	1,155	-	-	1.6% 1,137	4.3% 1,106	6.4% 1,081
At TP3	1,148	-	-	1,127	1,099	1,075

* The row '2004 review' of targets was not completed until after the results of TP2 were known. It was agreed that the sector be rebaselined to TP2 performance and given tighter targets as shown above. The 2004 Review row shows the percentage change of targets resulting from that review. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 at TP3 (and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 17 ktCO₂ were ring-fenced
- Allowances equivalent to 11 ktCO₂ were purchased

Overall there was a net ring-fencing of 7 ktCO₂, equivalent to a sector target change (tightening) of -29 kWh_p/t. (Note - figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

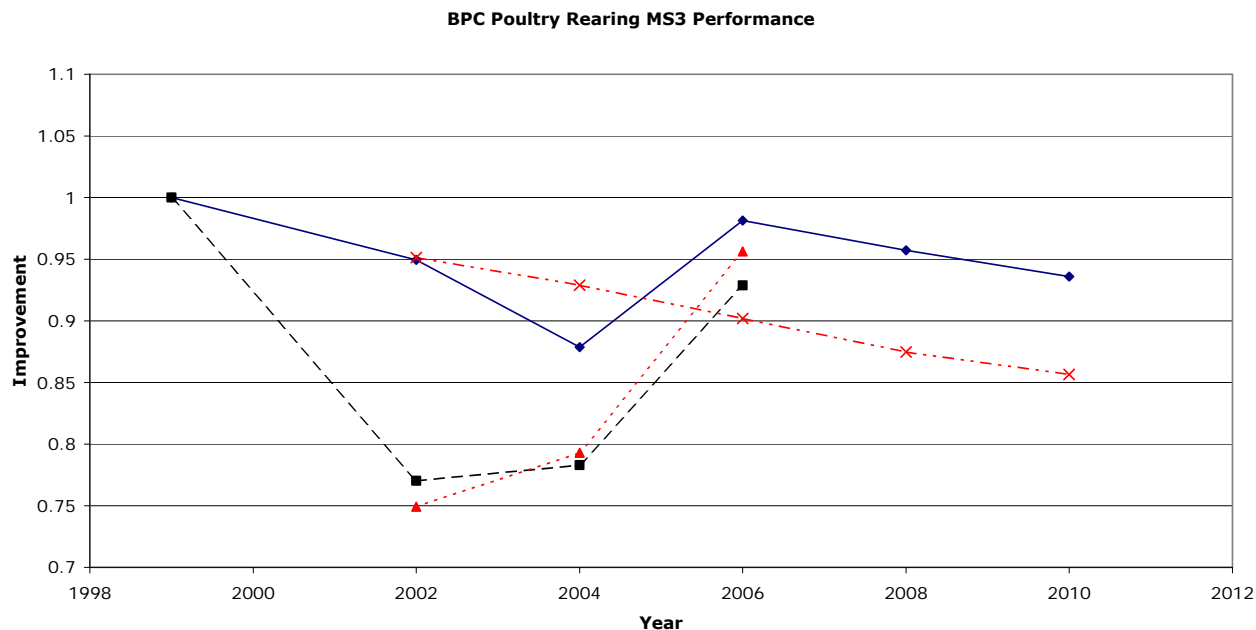
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 1,098 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ³² baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)
TP1	1,701,957,155	1,142,494	1,490	1,350,915,612	1,177,459	1,147
TP2	1,667,364,509	1,130,140	1,475	1,351,750,164	1,170,159	1,155
TP3	1,372,206,196	1,194,958	1,148	1,182,542,447	1,108,798	1,067
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 1,067 kWh _p /t is below the CCA adjusted target of 1,098 kWh _p /t, and, therefore, the sector has met its target. All facilities have been recertified because the sector target has been met.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	5.1%			23%		
TP2	12%			22%		
TP3	1.9%			7.1%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

³² Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ...▲... Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kt)
TP1	-1.5	-82
TP2	-1.3	-77
TP3	-0.33	-19

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the

sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kt)	Production (%)
TP1	-1.3	-72	3
TP2	-1.1	-65	4
TP3	-0.68	-39	-7

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE PRINTING SECTOR (BPIF)

Scope and membership of the umbrella agreement

BPIF represents the printing industry in the UK, including printers of newspapers, books, magazines and stationery, carrying out a range of printing activities, including lithography, letterpress, flexography, gravure and screen process.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per m² (kWh_p/m²). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /m ²)	TP1(2002) (kWh _p /m ²)	TP2(2004) (kWh _p /m ²)	TP3(2006) (kWh _p /m ²)	TP4(2008) (kWh _p /m ²)	TP5(2010) (kWh _p /m ²)
Original	0.079340	0.078545	0.076959	0.074578	0.072198	0.069818
At TP1	0.060310	0.059710	0.058510	0.056700	0.054890	0.053080
2004 Review*	-	-	-	3.0%	3.0%	4.0%
At TP2	0.066286	-	0.064387	0.060589	0.058712	0.056327
At TP3	0.063694	-	-	0.058559	0.056507	0.054029

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 102 ktCO₂ were ring-fenced
- Allowances equivalent to 45 ktCO₂ were purchased

Overall, there was a net ring-fencing of 56 ktCO₂, equivalent to a sector target change (tightening) of -0.005517 kWh_p/m² (Note - figures rounded for presentation.)

PMO

This sector does not have an agreed PMO adjustment at the sector level.

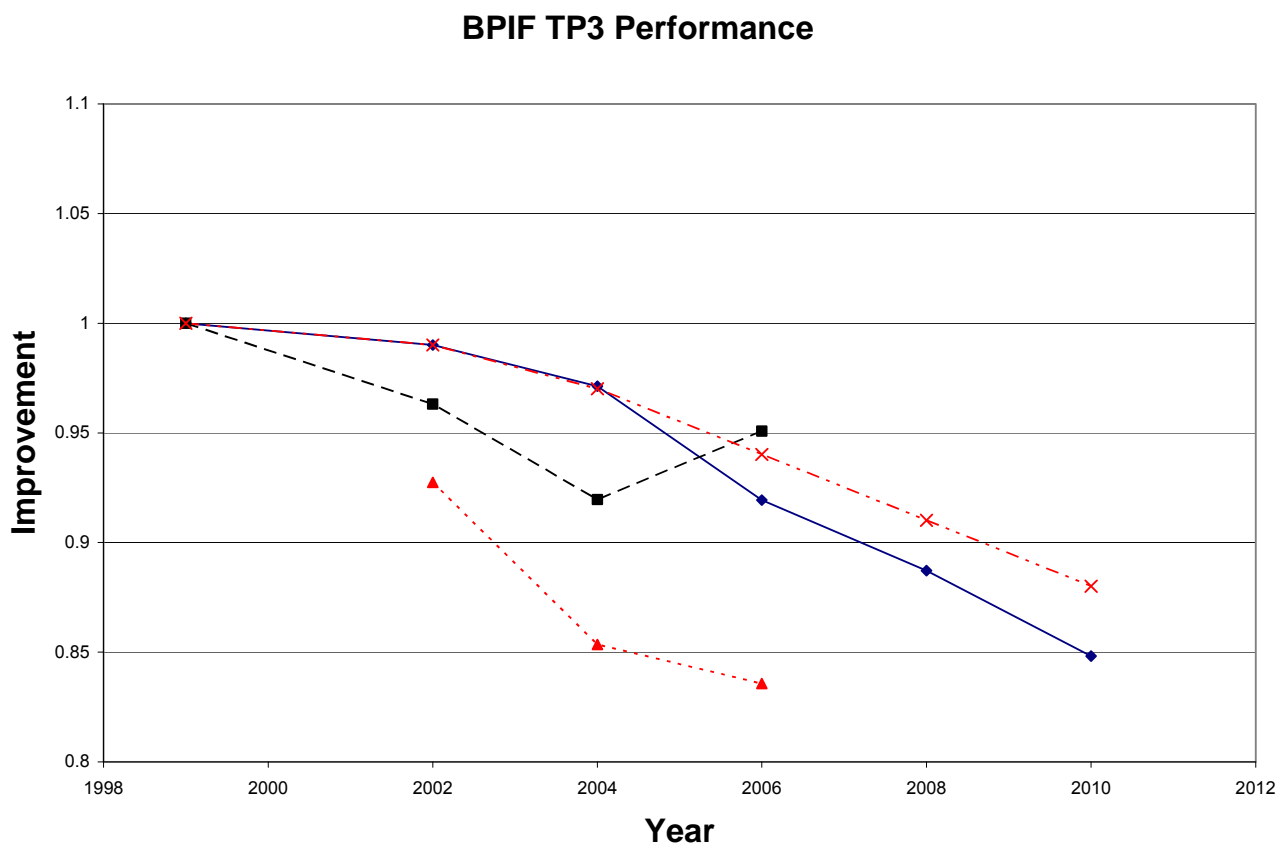
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 0.053041 kWh_p/m².

Sector performance recorded						
The following table shows the sector performance against the equivalent ³³ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh_p)	Production (m²)	SEC (kWh_p/m²)	Energy (kWh_p)	Production (m²)	SEC (kWh_p/m²)
TP1	2,863,682,550	47,479,158,112	0.060315	2,848,092,064	49,029,657,717	0.058089
TP2	3,264,561,008	49,248,992,563	0.066287	3,441,878,884	56,466,309,762	0.060955
TP3	3,320,915,004	52,138,782,364	0.063694	3,595,335,068	59,371,375,235	0.060557
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 0.06056 kWh/m ² is above the CCA adjusted target of 0.053041 kWh/m ² and, therefore, the sector did not meet its target. There was one decertification and three non-respondents; all other facilities were recertified because they either passed their individual targets outright or purchased sufficient allowances to pass. In addition, one site applied a PMO and also purchased allowances to meet its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement		Actual Improvement			
TP1	1.0%		3.7%			
TP2	2.9%		8.0%			
TP3	8.1%		4.9%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

³³ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO₂ compared with Equivalent Baseline	
	Energy (PJ)	CO₂ (kilotonnes)
TP1	-0.4	5.4
TP2	-1.1	-52
TP3	0.7	-32

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.1	22	3
TP2	0.6	31	15
TP3	1.0	47	14

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE UK RENDERERS ASSOCIATION (UKRA)

Scope and membership of the umbrella agreement

UKRA represents plant in the UK rendering sector. A facility belongs to the rendering sector if it is a facility that is engaged in rendering animal material (that is not for human consumption) by utilising heat treatment to reduce moisture content and separation of animal protein from tallow by centrifuging and pressing.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh per tonne of throughput (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	902.0	891.2	871.4	856.0	840.7	825.3
At TP1	892.1	877.0	857.5	842.4	827.3	812.2
2004 Review*	-	-	-	2.5%	2.5%	2.5%
At TP2	936.3	-	899.7	861.8	846.4	830.9
At TP3	926.5	-	-	882.0	865.9	849.9

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 14 ktCO₂ were ring-fenced
- Allowances equivalent to 19 ktCO₂ were purchased

Overall, there was a net purchase of 6 ktCO₂, equivalent to a sector target change (easing) of 12.6 kWh/t (Note - figures rounded for presentation).

PMO

This sector does not have an agreed sector level PMO.

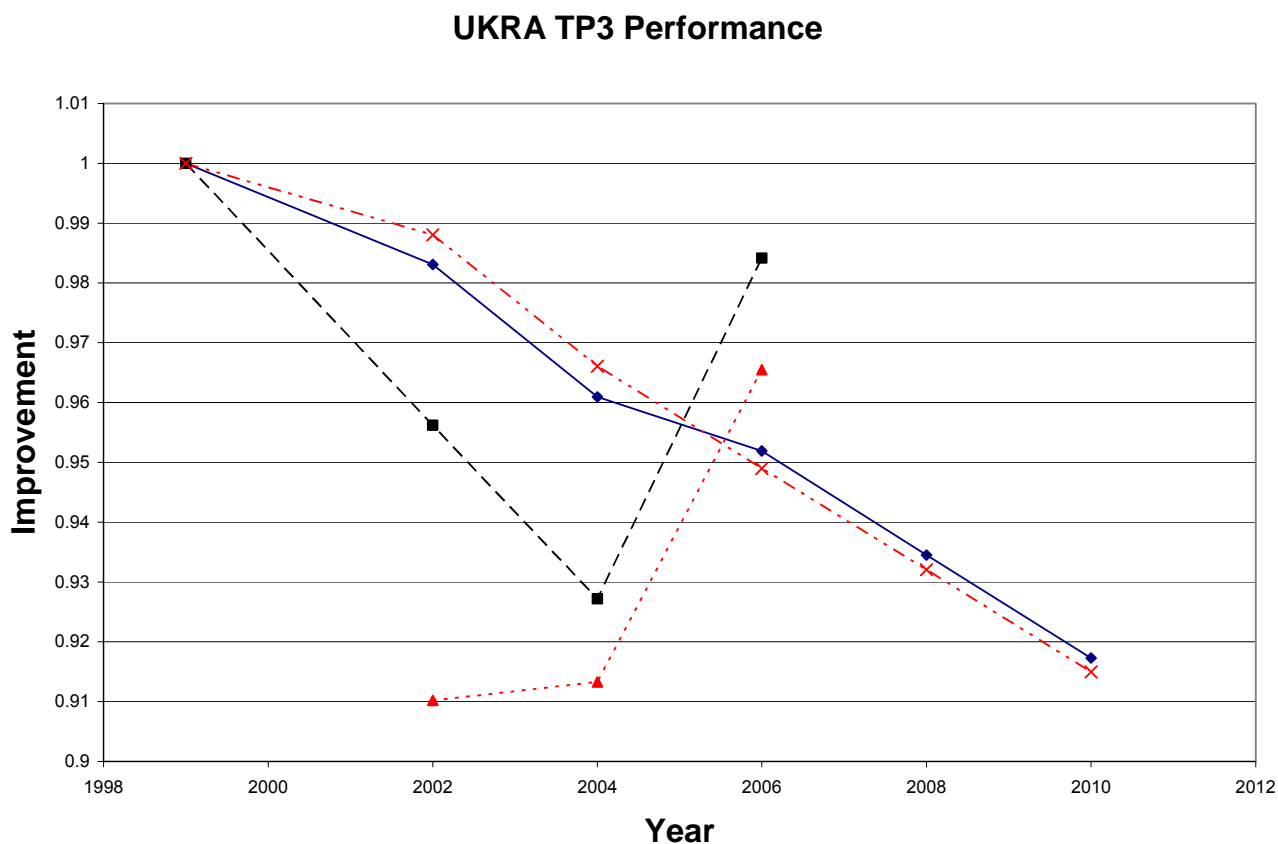
Final adjusted sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 894.6 kWh/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ³⁴ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/t)	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/t)
TP1	1,503,914,025	1,685,799	892.1	1,374,020,047	1,610,790	853.0
TP2	1,465,880,543	1,565,615	936.3	1,531,215,542	1,763,859	868.1
TP3	1,475,487,877	1,592,466	926.5	1,723,555,106	1,890,191	911.8
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 911.8 kWh/t is above the CCA adjusted target of 894.6 kWh/t and, therefore, the sector did not meet its target. One facility was decertified, all the other facilities were recertified; they passed their targets, purchased sufficient allowances or, in one case, submitted a relevant constraint case that was upheld. There were no non-respondents.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	1.7%			4.4%		
TP2	3.9%			7.3%		
TP3	4.8%			1.6%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

³⁴ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.2	0.6
TP2	-0.4	-28
TP3	-0.1	-7

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.5	-14	-4%
TP2	0.2	15	13%
TP3	0.9	59	19%

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE RUBBER (NEW TYRES) SECTOR (BTMA)

Scope and membership of the umbrella agreement

This agreement is for the manufacture of new tyres and the associated tyre compound. The companies are represented by the British Tyre Manufacturers Association.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /t)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	6,775	6,475	6,363	6,252	6,136	5,993
At TP1	7,180	6,887	6,756	6,651	6,525	6,400
2004 Review*	-	-	-	12.6%	12.6%	12.6%
At TP2	7,245	-	6,214	5,865	5,754	5,644
At TP3	7,425	-	-	5,453	5,311	5,205

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 29 ktCO₂ were ring-fenced.

This is equivalent to a sector target change (tightening) of -553 kWh_p/t. (Note – figures rounded for presentation.)

PMO

PMO adjustments are not allowed at sector level.

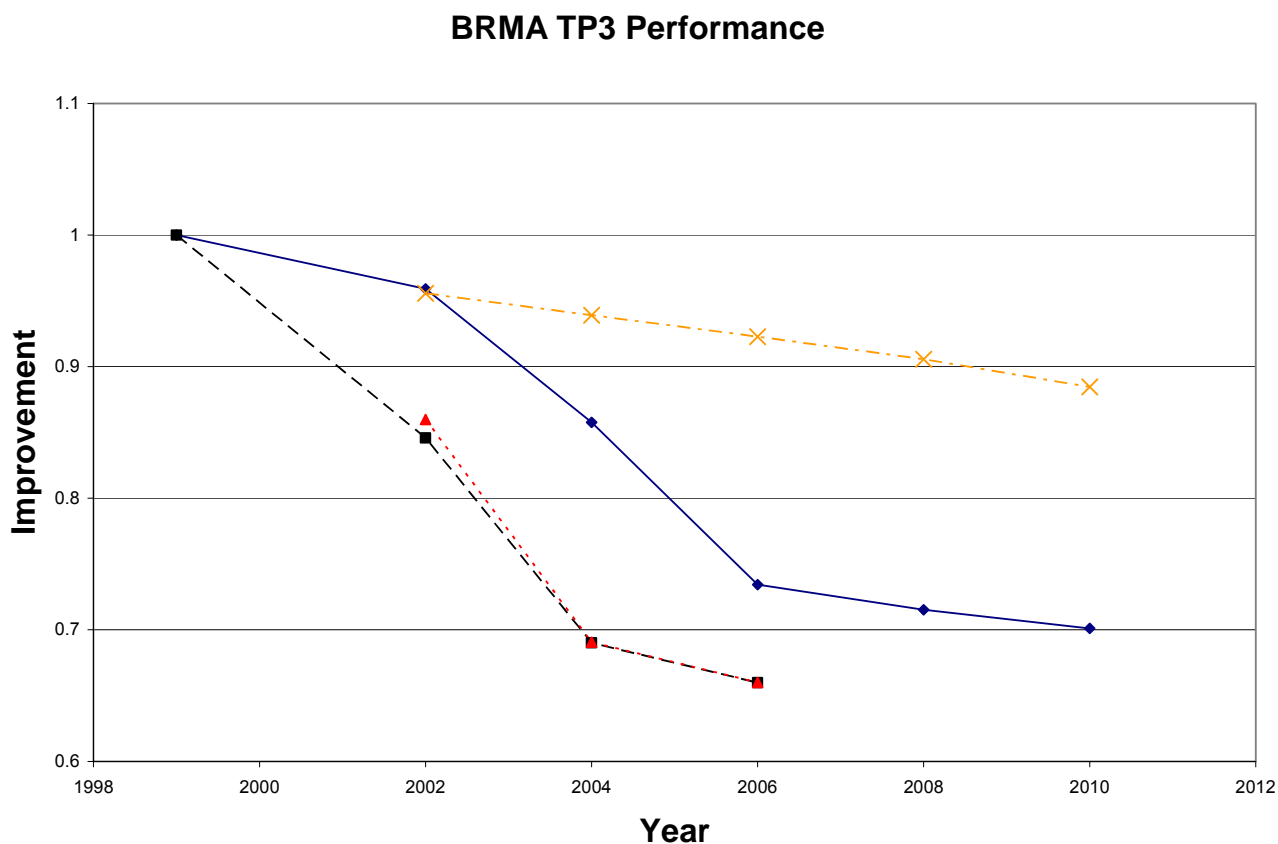
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 4,900 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ³⁵ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)
TP1	2,676,697,323	372,788	7,180	1,756,485,306	289,215	6,073
TP2	2,708,167,613	373,799	7,245	1,661,545,317	332,312	5,004
TP3	2,592,250,121	349,136	7,425	1,422,304,315	290,303	4,899
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 4,899 kWh _p /t is below the CCA adjusted target of 4,900 kWh _p /t and, therefore, the sector has met its target. All facilities have been recertified by the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	4%			15%		
TP2	14%			31%		
TP3	27%			34%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

³⁵ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-1.2	-59
TP2	-2.7	-137
TP3	-2.6	-131

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care

should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-3.3	-168	-22
TP2	-3.8	-192	-11
TP3	-4.2	-209	-17

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE NATIONAL MICROELECTRONICS INSTITUTE (SEMICONDUCTORS) - NMI

Scope and membership of the umbrella agreement

NMI represents various electronics manufacturers in the UK, including semiconductor and cathode ray tube (CRT) production.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed as a ratio of target-year performance to base-year performance for a particular level of throughput. The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (Ratio)	TP1(2002) (Ratio)	TP2(2004) (Ratio)	TP3(2006) (Ratio)	TP4(2008) (Ratio)	TP5(2010) (Ratio)
Original	1.0	0.7943	0.5089	0.4784	0.4426	0.4108
At TP1	1.0	0.4664	0.2825	0.2524	0.2410	0.2308
2004 Review*	-	-	-	0%	0%	0%
At TP2	1.0	-	0.2868	0.2557	0.2313	0.2208
At TP3	1.0	-	-	0.3236	0.2467	0.2360

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 166 ktCO₂ were ring-fenced
- No allowances were purchased

Overall, there was a net ring-fencing of 166 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out at the sector and target unit level, equivalent to a sector target change (easing) of 0.1198.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 0.3307. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (easing) of 0.0071.

Sector performance recorded

The following table shows the sector performance against the equivalent³⁶ baseline for all target periods to date.

	Equivalent baseline (2000)			Performance		
	Energy (MWh)	Production (units)	Ratio*	Energy (MWh)	Production (units)	Ratio*
TP1	2,337,092	148,531	1.0	1,984,513	196,337	0.8897
TP2	2,428,764	68,251,161	1.0	2,225,245	169,119,018	0.5394
TP3	3,057,123	70,989,873	1.0	2,371,181	173,930,607	0.2666

*Ratio of target year to base year for actual target period throughput

Adjustment for overlap with EU ETS

1 Target Unit reporting at TP3 is part of EU ETS and Climate Change Agreements. This Target Unit was required to adjust its targets for double counting between these two schemes.

The Target Unit had its target tightened due to double counting. Overall, there was an EU ETS (excess) of 6 ktCO₂, which resulted in an adjustment (tightening) to the sector target of 0.0037. This is included within the adjusted target described above.

Commentary

The sector performance of 0.2666 is below the CCA adjusted target of 0.3307 and, therefore, the sector has met its target. All facilities have been recertified because the sector target has been met.

The following table shows how the sector has improved relative to the equivalent base-year (2000) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

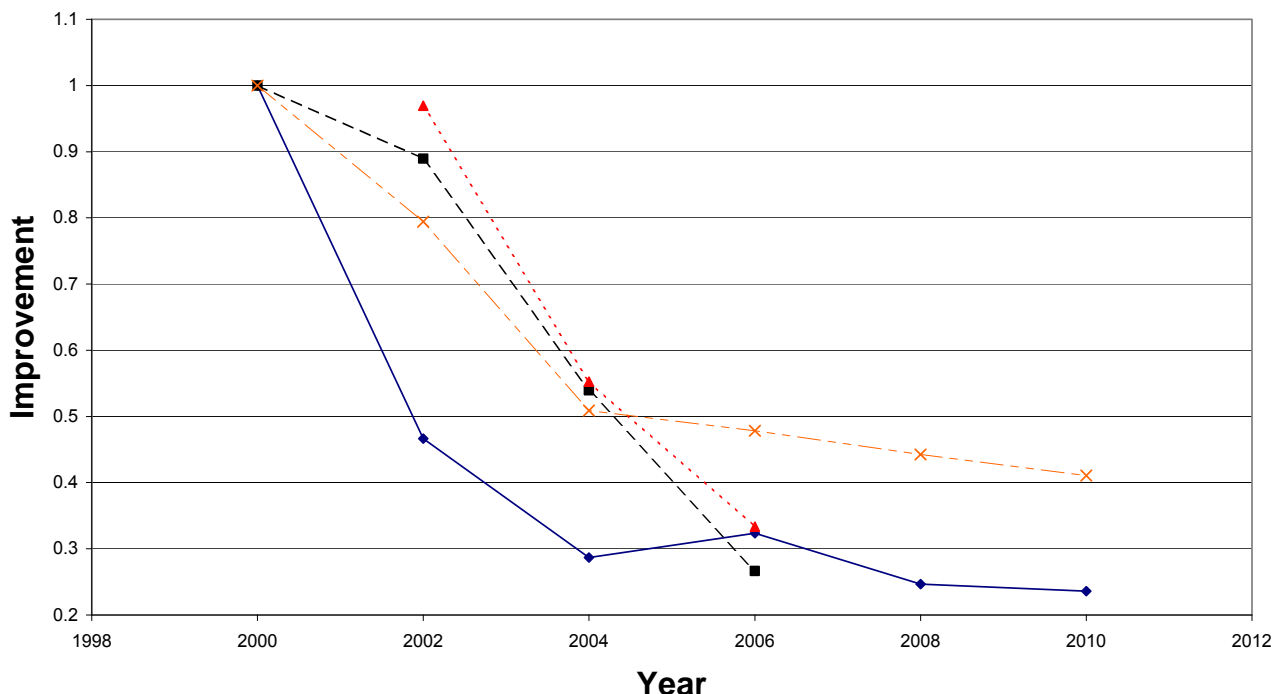
	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	53%	11%
TP2	71%	46%
TP3	68%	73%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

³⁶ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

Semiconductors TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ...▲... Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.9	-41
TP2	-6.8	-324
TP3	-23.5	-1,111

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2000) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-1.3	-60	32
TP2	-0.7	-35	148
TP3	-2.5	-117	145

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE SLAG GRINDERS SECTOR – (SGS)

Scope and membership of the umbrella agreement

This sector has six sites. Five of these take granulated blast furnace slag and grind it to form products for the Construction and Glass Industries. The other site grinds metallurgical slags to produce a range of products, mainly abrasives.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /t)	TP1(2002) (kWh _p /te)	TP2(2004) (kWh _p /t)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	281	280	273	263	257	252
At TP1	278	278	272	261	255	251
2004 Review*	-	-	-	6.1%	5.0%	4.3%
At TP2	278	-	272	245	243	240
At TP3	278	-	-	245	243	240

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

No facilities undertook carbon trading or ring-fencing in this sector.

PMO

No product mix adjustments were carried out.

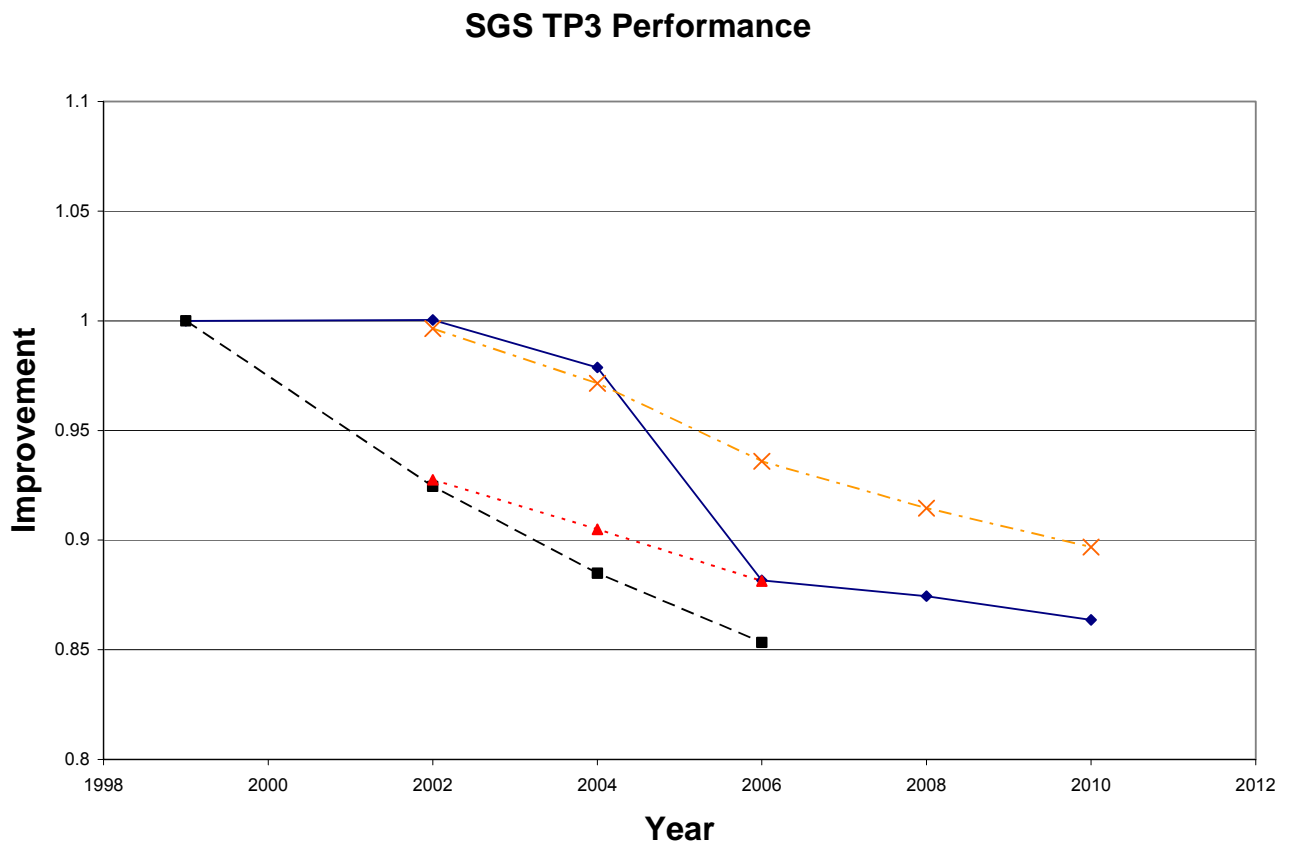
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 remained at 245 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ³⁷ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)	Energy (kWh)	Production (tonnes)	SEC (kWh_p/t)
TP1	458,166,678	1,648,899	278	438,161,040	1,702,775	257
TP2	458,166,678	1,648,899	278	506,949,189	2,058,949	246
TP3	458,166,678	1,648,899	278	515,761,454	2,174,309	237
Adjustment for overlap with EU ETS						
No facilities reporting at TP3 are part of EU ETS and Climate Change Agreements, so no adjustment is required.						
Commentary						
The sector performance of 237 kWh _p /t is below the CCA adjusted target of 245 kWh _p /t and, therefore, the sector has met its target. All facilities have been recertified.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	0.0%			7.6%		
TP2	2.1%			11%		
TP3	12%			15%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes. The 0% for TP1 is a consequence of corrections and a new entrant – the individual targets are no less demanding.						

³⁷ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.1	-6
TP2	-0.2	-12
TP3	-0.3	-16

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO ₂ compared with Equivalent Baseline		
	Energy (PJ)	CO ₂ (kilotonnes)	Production (%)
TP1	-0.1	-4	3
TP2	0.2	9	25
TP3	0.2	10	32

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE SPIRITS ENERGY EFFICIENCY COMPANY (SEEC)

Scope and membership of the umbrella agreement

SEEC is jointly operated by the Scotch Whisky Association and the Gin and Vodka Association. The SEEC agreement covers the vast majority of UK spirit drinks production of around 450 million litres of pure alcohol (lpa) per year.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per litre of pure alcohol (kWh_p/lpa). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 base year for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p /lpa)	TP1(2002) (kWh _p /lpa)	TP2(2004) (kWh _p /lpa)	TP3(2006) (kWh _p /lpa)	TP4(2008) (kWh _p /lpa)	TP5(2010) (kWh _p /lpa)
Original	7.72	7.70	7.63	7.50	7.44	7.37
At TP1	7.74	7.70	7.63	7.50	7.44	7.37
2004 Review*	-	-	-	1.0%	1.0%	2.0%
At TP2	7.74	-	7.63	7.43	7.37	7.23
At TP3	7.70	-	-	7.36	7.24	7.10

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 36 ktCO₂ were ring-fenced
- Allowances equivalent to 2 ktCO₂ were purchased

Overall there was a net ring-fencing of 34 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the target unit level.

Final adjusted CCA sector target for the TP3

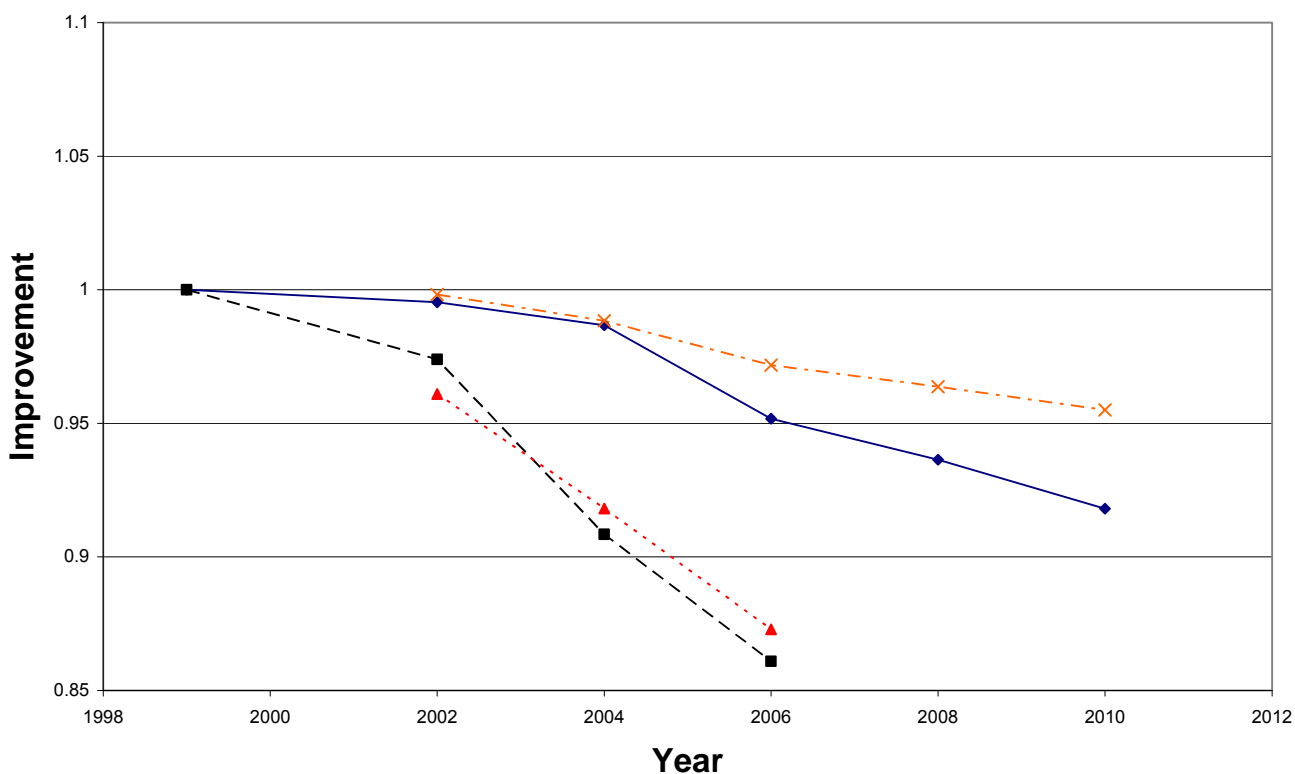
As a consequence of the adjustments described above, the final sector target for the TP3 was 6.75 kWh_p/lpa. This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of –0.61 kWh_p/lpa.

Sector performance recorded						
The following table shows the sector performance against the equivalent ³⁸ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (lpa)	SEC (kWh _p /lpa)	Energy (kWh)	Production (lpa)	SEC (kWh _p /lpa)
TP1*	3,427,811,485	443,136,231	7.74	3,199,898,534	424,758,520	7.53
TP2*	3,427,811,485	443,136,231	7.74	2,983,994,186	424,618,313	7.03
TP3	3,373,670,067	438,053,240	7.70	3,047,088,787	457,536,956	6.66
NOTE: BASELINE DATA WAS NOT ADJUSTED FOR ENTRANTS OR EXITS AT TP2						
Adjustment for overlap with EU ETS						
<p>2 Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These facilities were required to adjust their targets for double counting between these two schemes.</p> <p>2 Target Units had their targets tightened due to double counting. Overall, there was an EU ETS excess of 19.9 kt CO₂, which resulted in an adjustment (tightening) to the CCA sector target of -0.22 kWh/lpa. This is included within the adjusted target described above.</p>						
Commentary						
<p>The sector performance of 6.66 kWh_p/lpa is below the CCA adjusted target of 6.75 kWh_p/lpa, and, therefore, the sector has met its target. All the facilities have been recertified as the sector target has been met.</p> <p>The following table shows how the sector has improved relative to the equivalent base year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).</p>						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement		Actual Improvement			
TP1	0.5%		2.6%			
TP2	1.3%		9.2%			
TP3	4.4%		13.5%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

³⁸ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

SEEC TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ...▲... Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps for EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-0.3	-17	
TP2	-1.1	-59	
TP3	-1.8	-93	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.8	-45	-4
TP2	-1.6	-94	-4
TP3	-1.2	-64	4
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

THE STEEL SECTOR – (UKSEL)

Scope and membership of the umbrella agreement

The sector consists of six steel-making companies and a larger number of downstream companies. The UK Steel Association is the sector body that represents about 98% of the sector by energy use. The agreements are managed through UK Steel (Environmental) Ltd.

This sector has Target Units with installations in EU ETS. The sector has provided information to show performance in the presence and absence of adjustments applied due to EU ETS.

Targets

The targets for this sector are expressed in primary petajoules (PJ). The sector agreement is an absolute energy agreement, though some facilities have a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1997 baseline for this sector as originally agreed and at each target period (TP) to date. The TP1 target was adjusted at the 2002 evaluation, but the forward sector targets were not reset at that time. This was because the low output in 2002 was anomalous and there was significant restructuring planned in the industry. The TP2 target was established in 2004 using the latest estimates of predicted throughputs and adjusted in 2005 using actual throughputs where required. The TP3 target also includes adjustments due to actual throughput.

	Baseline (PJ)	TP1(2002) (PJ)	TP2(2004) (PJ)	TP3(2006) (PJ)	TP4(2008) (PJ)	TP5(2010) (PJ)
Original	407.6	388.3	376.6	368.8	365	360.8
At TP1	407.6	304.3	-	-	-	-
2004 Review*	-	-	-	3.25%	1.28%	0.22%
At TP2	406.9	-	326.5	365.9	370	370
At TP3	401.8			325.8	370.3	370.3

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP 2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Over-performance equivalent to 1,434 ktCO₂ would have been converted to allowances or ring-fenced. The actual position was affected by the adjustment for overlap with EU ETS (see below).
- Allowances equivalent to 5ktCO₂ were purchased

Overall, there would have been a net over-performance of 1,429 ktCO₂, equivalent to a sector target change (tightening) of -18.5 PJ. (Note – figures rounded for presentation.)

PMO

Product mix adjustments are not allowable at the sector level or for absolute targets.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 307.3 PJ.

Sector performance recorded

The following table shows the sector performance against the equivalent³⁹ baseline for all target periods to date.

	Equivalent baseline (1997)			Reference Production (t)	Performance		
	Energy (PJ)	Production (t)	SEC		Energy (PJ)	Production (t)	SEC
TP1	408	21,949,945	Not applicable	19,971,750	281	14,483,574	Not applicable
TP2	407	21,148,964	Not applicable	18,340,025	308	17,024,282	Not applicable
TP3	401.8	21,325,820	Not applicable	19,252,173	307.6	17,142,162	Not applicable

Adjustment for overlap with EU ETS

Four facilities reporting at TP3 are part of EU ETS and Climate Change Agreements. These facilities were required to adjust their targets for double counting between these two schemes.

Three facilities had their targets tightened due to double counting and one had its target eased. Overall, there was an EU ETS excess of 2,229 ktCO₂, which resulted in an additional change (tightening) to the CCA sector target of -28.9 PJ.

Commentary

The sector performance of 307.6 PJ is just above the CCA adjusted target of 307.3 PJ and, therefore, the sector did not meet its target. However, all the facilities have been recertified either because they have met their individual targets outright or through a mixture of trading and/or product mix. There were no decertifications and there was one non-respondent.

The adjustments for overlap with EU ETS changed the CCA target to 307.2 PJ. So, the sector did not meet its target and, therefore, the three facilities that were required to tighten their targets because of the overlap met their adjusted targets through trading. The actual net trading was the acquisition of 793 ktCO₂ of allowances.

The following table shows how the sector has improved relative to the equivalent base-year (1997) position at each target period.

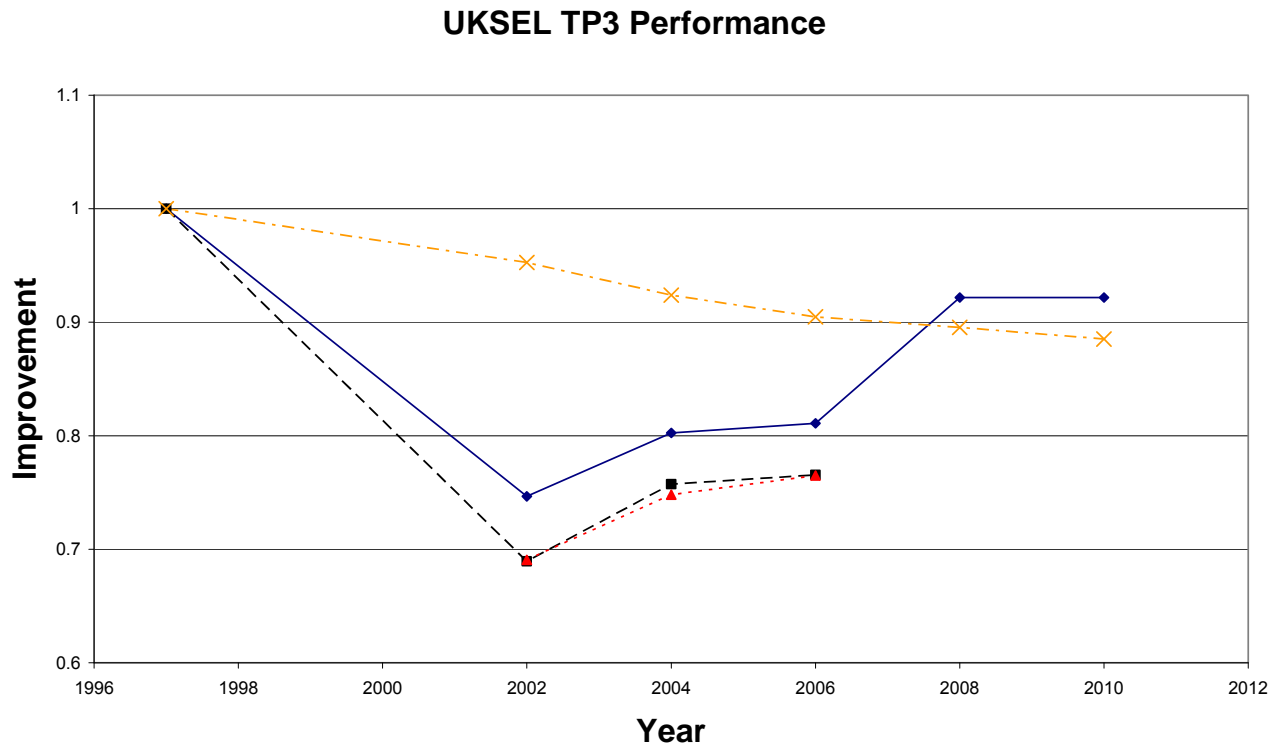
(Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).

³⁹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Improvement compared with Equivalent Baseline at each Target Period		
	Target Improvement	Actual Improvement
TP1	25%	31%
TP2	20%	24%
TP3	19%	23%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments does not include adjustments associated with overlaps with EU ETS.

Impact of the sector performance

Relative energy/CO₂

This sector has an absolute target and so it is not appropriate to calculate how the relative energy consumption and CO₂ emissions for the sector have changed compared with the equivalent base-year position.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1997) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Baselines			
	Energy (PJ)	CO₂ (kilotonnes)	Change in reference production (%)	Change in equivalent production (%)
TP1	-126.6	-9,400	-27	-34
TP2	-98.8	-7,550	-7	-20
TP3	-94.2	-7,277	-11	-20

NOTE: The sector reference production is the total anticipated throughput for the agreed targets. The sector equivalent production is the total throughput at the respective base years of the participants. These throughputs may change at each target period as the sector population changes, so care should be taken in comparing the performance at different target periods. Both sets of figures are quoted for consistency with previous milestones, where reference production was quoted.

SUPERMARKETS (FDFS)

Scope and membership of the umbrella agreement

The Supermarkets agreement, under the auspices of the Food & Drink Federation, covers in-store bakeries and other, relatively minor, food-processing activities. Stores including Asda, Sainsbury, Safeway/Morrison and Tesco are currently participating in the agreement.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh_p. The sector agreement is an absolute energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2000 baseline for this sector as originally agreed and at each target period (TP) to date. Note that for TP1 only, because the target period was shorter than the full 12 months of the other four target periods, there is a separate and lower pro-rata baseline figure.

	Baseline (kWh _p)	TP1(2002) (kWh _p)	TP2(2004) (kWh _p)	TP3(2006) (kWh _p)	TP4(2008) (kWh _p)	TP5(2010) (kWh _p)
Original	306,998,030	304,228,156				
	799,351,145		773,935,798	762,586,016	747,879,965	733,173,913
At TP1	306,998,030	288,957,043				
	799,351,145		730,470,310	719,738,653	705,820,677	691,902,700
2004 Review*	-	-	-	4%	4%	6%
At TP2	661,559,280	-	640,383,206	605,716,264	593,964,007	570,082,338
At TP3	290,559,601**	-	-	265,523,967	311,845,765**	299,198,300**

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

**There was a major decrease in the target unit population during the reporting period. The baseline and TP4 and TP5 targets were modified accordingly.

Additional risk management adjustments to the TP3 sector target

Carbon trading

Overall, there was a net purchase of 3 ktCO₂, equivalent to a sector target change (easing) of 18,850,090 kWh_p. (Note – figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

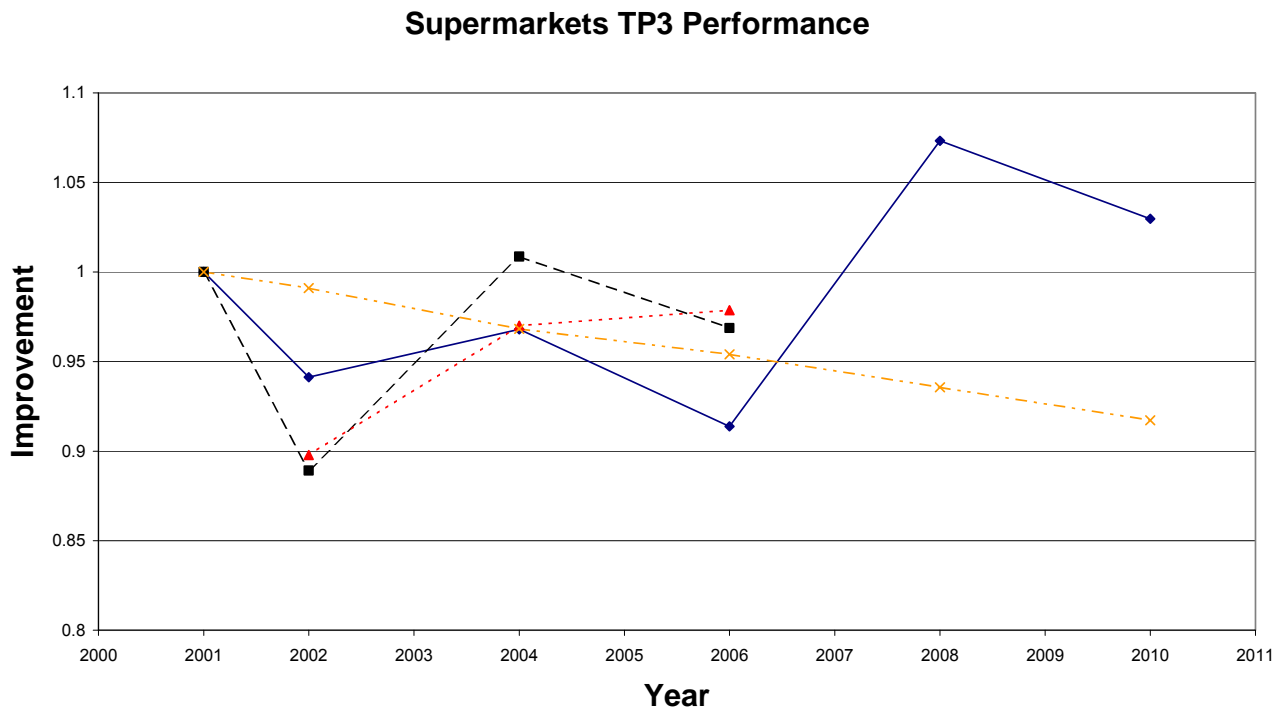
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 284,374,057 kWh_p.

Sector performance recorded		
The following table shows the sector performance against the equivalent ⁴⁰ baseline for all target periods to date.		
	Equivalent baseline (2001)	Performance
	Energy (kWh)	Energy (kWh)
TP1	306,998,030	272,986,625
TP2	661,559,280	667,259,766
TP3	290,559,601	281,479,843
Adjustment for overlap with EU ETS		
No target units reporting at TP3 are part of EU ETS, so no adjustments were required.		
Commentary		
The sector performance of 281,374,057 kWh _p is below the CCA adjusted target of 284,374,057.4 kWh _p and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.		
The following table shows how the sector has improved relative to the equivalent base-year (2001) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).		
Improvement in SEC compared with Equivalent Baseline at each Target Period		
	Target Improvement	Actual Improvement
TP1	5.9%	11%
TP2	3.2%	-0.9%
TP3	8.6%	3.1%
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.		

⁴⁰ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- -▲- - Target after adjustments
- -×- - Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

This sector has an absolute target and so it is not appropriate to calculate how the relative energy consumption and CO₂ emissions for the sector have changed compared with the equivalent base-year position.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2001) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Annual change in Absolute Energy and CO₂ compared with Equivalent Baseline	
	Energy (PJ)	CO₂ (kilotonnes)
TP1	-0.3	-15
TP2	0.02	1
TP3	-0.03	-2

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

SURFACE ENGINEERING (SEA1)

Scope and membership of the umbrella agreement

SEA represents the metal finishing sector, carrying out processes including electro-plating and anodising. SEA is a subsidiary part of the British Jewellery and Giftware and Finishing Federation, which is the formal signatory to the agreement. This Climate Change Agreement (SEA1) represents those facilities covered by IPPC processes.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh at a given level of throughput (kWh_p). These targets change with time as the composition of the sector changes, due to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p)	TP1(2002) (kWh _p)	TP2(2004) (kWh _p)	TP3(2006) (kWh _p)	TP4(2008) (kWh _p)	TP5(2010) (kWh _p)
Original		2,023,331,546	1,985,927,438	1,982,247,644	1,954,811,334	1,928,896,664
At TP1	2,971,679,789	2,890,361,508	2,905,688,604	2,881,610,368	2,833,907,376	2,786,494,745
2004 Review*	-	-	-	10.8%	10.7%	10.8%
At TP2	3,947,262,281	-	3,855,317,182	3,384,412,419	3,318,798,494	3,254,471,944
At TP3	4,147,329,433	-	-	3,683,136,126	3,598,368,478	3,506,510,451

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 31 ktCO₂ were ring-fenced
- Allowances equivalent to 30 ktCO₂ were purchased

Overall there was a net ring-fencing of 1 ktCO₂, equivalent to a sector target change (tightening) of -5,454,027 kWh_p. (Note - figures rounded for presentation.)

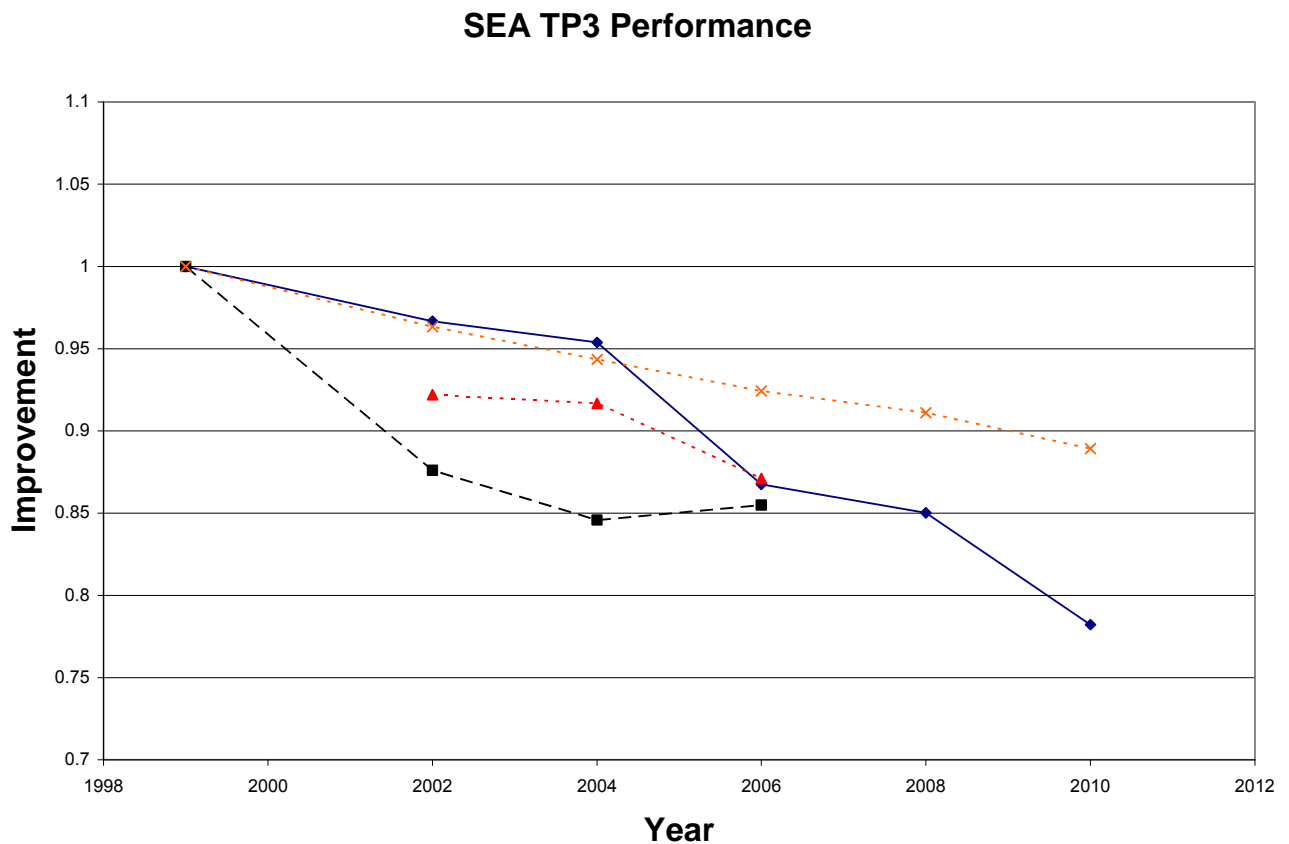
PMO

A number of product mix adjustments were carried out at the target unit level and the Novem method was used to adjust the overall sector target for throughput.

Final adjusted sector target for the TP3						
As a consequence of the adjustments described above, the final sector target for the TP3 was 3,697,848,889 kWh _p .						
Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴¹ baseline for all target periods to date.						
	Equivalent baseline (1999)				Performance	
	Energy (kWh_p)	Production (mixed units)	SEC	Energy (kWh_p)	Production (mixed units)	SEC
TP1	2,971,679,789		N/A	2,828,683,776		N/A
TP2	3,947,262,281		N/A	3,707,304,772		N/A
TP3	4,147,329,433		N/A	3,629,489,042		N/A
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 3,629,489,042 kWh _p is below the CCA adjusted target of 3,697,848,889 kWh _p and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	3.0%			12%		
TP2	4.6%			15%		
TP3	11.2%			15%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁴¹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

Change in annual Relative Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	
TP1	-1.4	-75	
TP2	-2.4	-119	
TP3	-2.2	-108	
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.5	-29	9%
TP2	-0.9	-42	11%
TP3	-1.9	-91	2%
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.			

TEXTILES (BATC1)

Scope and membership of the umbrella agreement

BATC represents the textile and clothing industry in the UK, carrying out various activities in textile dyeing, finishing and scouring. This Climate Change Agreement (BATC1) represents those facilities covered by IPPC processes.

This sector has Target Units with installations in EU ETS. The sector has provided information to show performance both in the presence and absence of adjustments applied due to EU ETS.

Targets

The targets for this sector are given in primary kWh (kWh_p) at a given level of throughput. The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh _p)	TP1(2002) (kWh _p)	TP2(2004) (kWh _p)	TP3(2006) (kWh _p)	TP4(2008) (kWh _p)	TP5(2010) (kWh _p)
Original	3,819,000,000	3,773,360,985	3,705,460,831	3,635,353,875	3,555,113,619	3,474,799,992
At TP1	3,726,083,555	3,693,676,535	3,624,881,861	3,554,357,028	3,471,562,685	3,388,313,526
2004 Review*	-	-	-	3.0%	3.0%	3.0%
At TP2	3,040,420,110	-	2,950,479,118	2,803,061,758	2,735,992,681	2,667,631,254
At TP3	2,318,615,076	-	-	2,136,852,249	2,086,036,365	2,032,298,758

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 24 ktCO₂ were ring-fenced

Overall, the net ring-fencing is equivalent to a sector target change (tightening) of -132,000,186 kWh_p (Note - figures rounded for presentation).

PMO

A number of product-mix adjustments were carried out at the Target Unit level and to adjust the overall sector target for throughput.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 1,751,001,687 kWh_p.

Sector performance recorded

The following table shows the sector performance against the equivalent⁴² baseline for all target periods to date.

	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (mixed units)	SEC	Energy (kWh)	Production (mixed units)	SEC
TP1	3,726,083,555	766,435,746	N/A	3,141,386,873	790,518,197	N/A
TP2	3,040,420,110	724,797,294	N/A	2,435,380,254	770,849,107	N/A
TP3	2,318,615,076	563,959,136	N/A	1,750,022,368	700,112,057	N/A

Adjustment for overlap with EU ETS

Three Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.

Two of these Target Units had their targets tightened and one had its target eased due to double counting. The total net effect of double counting was an excess of 7 ktCO₂, which resulted in an adjustment (tightening) to the sector target equivalent to -36,466,400 kWh_p.

Commentary

The sector performance of 1,750,022,368 kWh_p is below the CCA adjusted target of 1,787,468,087 kWh_p and, therefore, the sector has met its CCA target.

The adjustments for overlap with EU ETS changed the CCA target to 1,751,001,687 kWh_p. All facilities have been recertified as a consequence of the sector meeting its target.

The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period.

(Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was deterioration in performance).

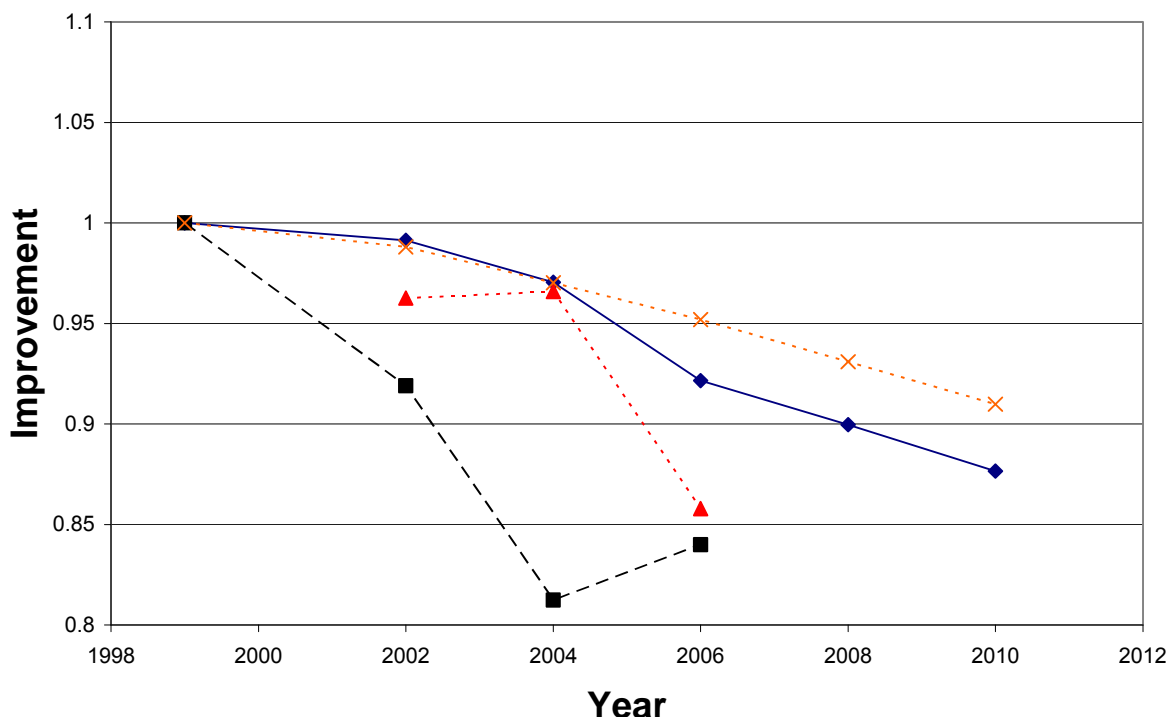
	Improvement in SEC compared with Equivalent Baseline at each Target Period	
	Target Improvement	Actual Improvement
TP1	1%	8%
TP2	3%	19%
TP3	8%	16%

NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.

⁴² Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

BATC TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments does not include adjustments associated with overlaps with EU ETS, but does include adjustments due to trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.9	-50
TP2	-2.0	-107
TP3	-1.2	-62

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-2.1	-114	3
TP2	-2.2	-115	6
TP3	-2.1	-106	24

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE AIC SECTOR (FORMERLY UKASTA)

Scope and membership of the umbrella agreement

The AIC (UKASTA) agreement covers the majority of UK animal feed production.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/t)	TP1(2002) (kWh_p/t)	TP2(2004) (kWh_p/t)	TP3(2006) (kWh_p/t)	TP4(2008) (kWh_p/t)	TP5(2010) (kWh_p/t)
Original	163.7	160.2	157.0	154.5	153.3	152.1
At TP1	170.7	167.0	163.6	161.1	159.8	158.6
2004 Review*	-	-	-	3.0%	3.5%	4.0%
At TP2	172.4	168.7	165.2	157.8	155.8	153.7
At TP3	169.6	-	-	154.9	153.1	151.1

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 66 ktCO₂ were ring-fenced
- Allowances equivalent to 19 ktCO₂ were purchased

Overall, there was a net ring-fencing of 47 ktCO₂, equivalent to a sector target change (tightening) of 10.8/kWh_p/t (Note - figures rounded for presentation).

PMO

There is no agreed sector level PMO for this sector.

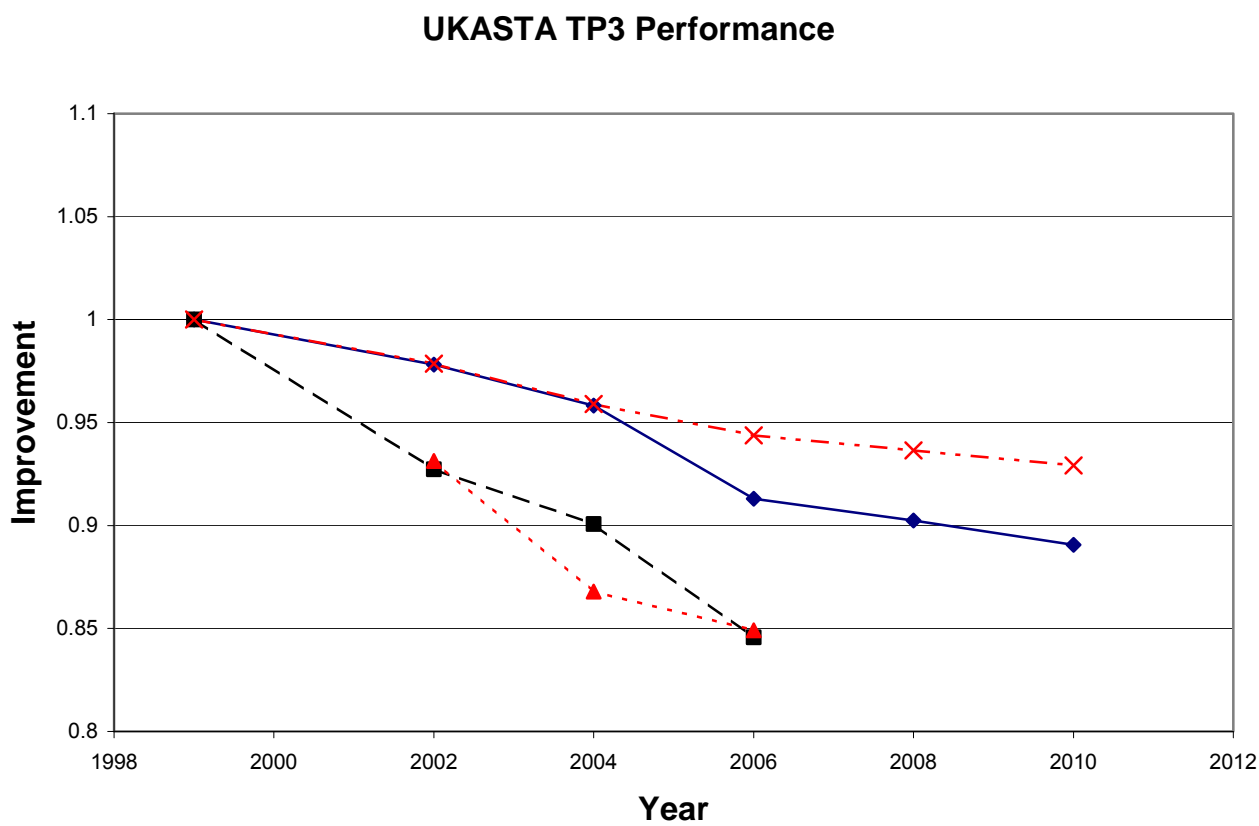
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 144.0 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴³ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh_p)	Production (tonne)	SEC (kWh_p/t)	Energy (kWh_p)	Production (tonne)	SEC (kWh_p/te)
TP1	3,390,170,196	19,857,252	170.7	3,248,544,075	20,519,724	158.3
TP2	3,297,955,281	19,125,693	172.4	3,292,906,057	21,200,430	155.3
TP3	3,149,218,854	18,565,750	169.6	3,030,854,982	21,129,330	143.4
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of the EU ETS so no adjustments were required.						
Commentary						
The sector performance of 143.4 kWh _p /t is below the CCA adjusted target of 144.0 kWh _p /t and, therefore, the sector has met its target. All facilities have been recertified.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP1	2.2%			7.3%		
TP2	4.2%			9.9%		
TP3	8.7%			15%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁴³ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	-0.9	-46
TP2	-1.3	-74
TP3	2.0	114

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.5	-23	3
TP2	-0.02	-1	11
TP3	-0.4	-24	14

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

ASSOCIATION OF WALLCOVERING MANUFACTURERS

Scope and membership of the umbrella agreement

Companies in this sector manufacture wallcoverings and related products.

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in kWh. The sector agreement is an absolute (abs) energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and reductions for changes in throughput, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline kWh (abs)	TP1(2002) kWh (abs)	TP2(2004) kWh (abs)	TP3(2006) kWh (abs)	TP4(2008) kWh (abs)	TP5(2010) kWh (abs)
Original	602,755,838	593,353,219	566,783,703	558,013,278	553,424,653	548,564,629
At TP1	783,561,216	698,383,887	673,517,244	662,753,550	656,290,427	649,708,821
2004 Review*	-	-	-	1.48%	1.68%	1.88%
At TP2	453,414,278	-	332,696,272	377,940,712	374,165,055	370,575,659
At TP3	351,924,852	-	-	286,257,481	287,971,912	282,561,852

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 2 ktCO₂ were ring-fenced
- Allowances equivalent to 6 ktCO₂ were purchased.

Overall there was a net purchase of 4 ktCO₂, equivalent to a sector target change (easing) of 22,155,398 kWh (Note - figures rounded for presentation.)

PMO

No product mix and output adjustments were applied in this sector.

Final adjusted sector target for TP3

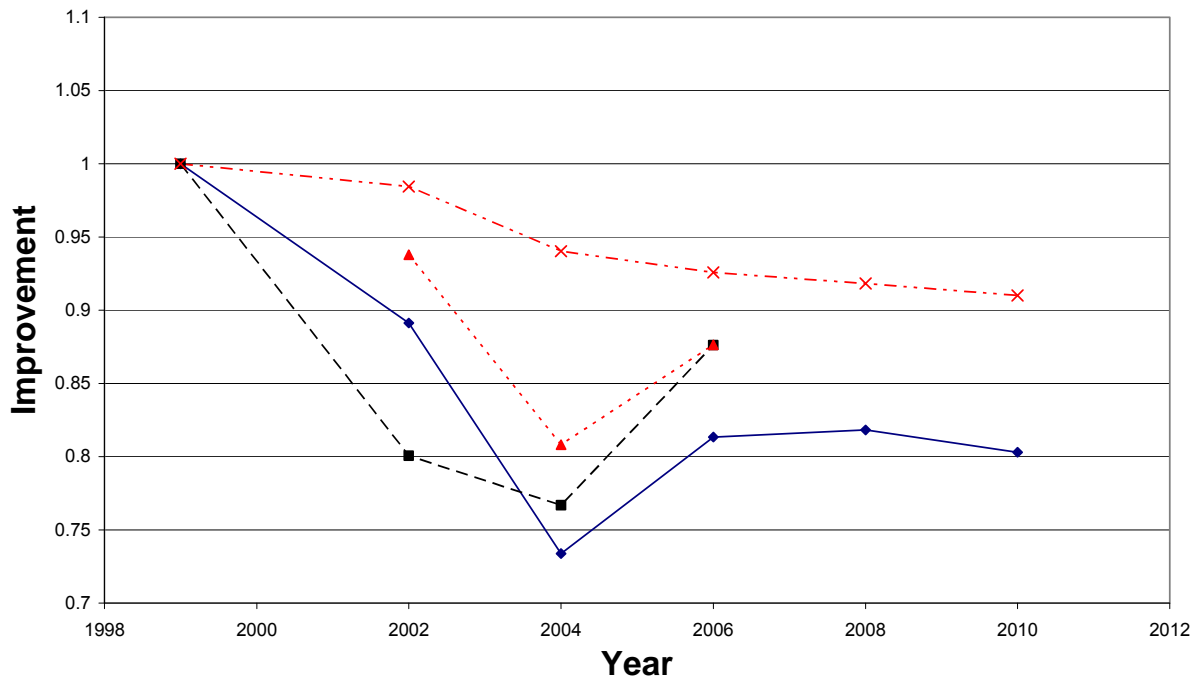
As a consequence of the adjustments described above, the final sector target for TP3 was 308,412,879 kWh (absolute).

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴⁴ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (mixed units)	SEC	Energy (kWh)	Production (mixed units)	SEC
TP1	783,561,216	839,166,599	n/a	627,286,792	797,641,520	n/a
TP2	453,414,278	395,930,194	n/a	347,708,947	405,285,339	n/a
TP3	351,924,852	321,532,107	n/a	308,344,526	390,558,734	n/a
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 308,344,526 kWh _p is below the CCA adjusted target of 308,412,879 kWh _p . The sector therefore met its (absolute energy) target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement		Actual Improvement			
TP1	11%		20%			
TP2	27%		23%			
TP3	19%		12%			
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁴⁴ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year

AWM TP3 Performance



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments
- ×--- Original targets

Note: The tighter targets in 2004 and, to a lesser extent in 2006, ('target profile' line) are due to tightening of targets under the previously agreed procedure that only applies for the specific year and is triggered by throughput reductions of greater than 10% against the reference throughput for the site in that year.

The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

This sector is an absolute sector and so it is not appropriate to calculate how the relative energy consumption and CO₂ emissions for the sector have changed compared with the equivalent base-year position.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	-0.6	-28	-5
TP2	-0.4	-19	2
TP3	-0.2	-8	21

Note: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

THE WOOD PANEL INDUSTRIES FEDERATION – (WPIF)

Scope and membership of the umbrella agreement

WPIF represents the manufacturers of wood panels in the UK, including chipboard, oriented strand board and MDF. A separate company, WPIF Environmental Ltd, is established to act as the 'sector association'. For the purpose of the CCL agreement, WPIF is the contracted manager to WPIF Environmental Ltd.

This sector has Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per cubic metre (kWh_p/m^3). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 1999 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh_p/m^3)	TP1(2002) (kWh_p/m^3)	TP2(2004) (kWh_p/m^3)	TP3(2006) (kWh_p/m^3)	TP4(2008) (kWh_p/m^3)	TP5(2010) (kWh_p/m^3)
Original	952	940	919	899	890	882
At TP1	972	959	938	917	909	900
2004 Review*	-	-	-	1.87%	3.92%	6.02%
At TP2	972	-	938	981	953	925
At TP3	1,055	-	-	981	953	925

* The row '2004 Review' shows the percentage change of targets resulting from the review of targets in 2004/05. Note that a positive percentage value means a tightening of targets and a negative value means an easing of targets. The targets for TP3, TP4 and TP5 (at TP2 and subsequently) take account of these adjustments and of any entrants, exits and corrections subsequent to the review.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 81ktCO₂ over-performance were sold or moved to a trading account
- Allowances equivalent to 9 ktCO₂ were purchased

Overall, there was a net over-performance of 72 ktCO₂. (Note – figures rounded for presentation.)

PMO

Product mix adjustments were carried out purely at the Target Unit level.

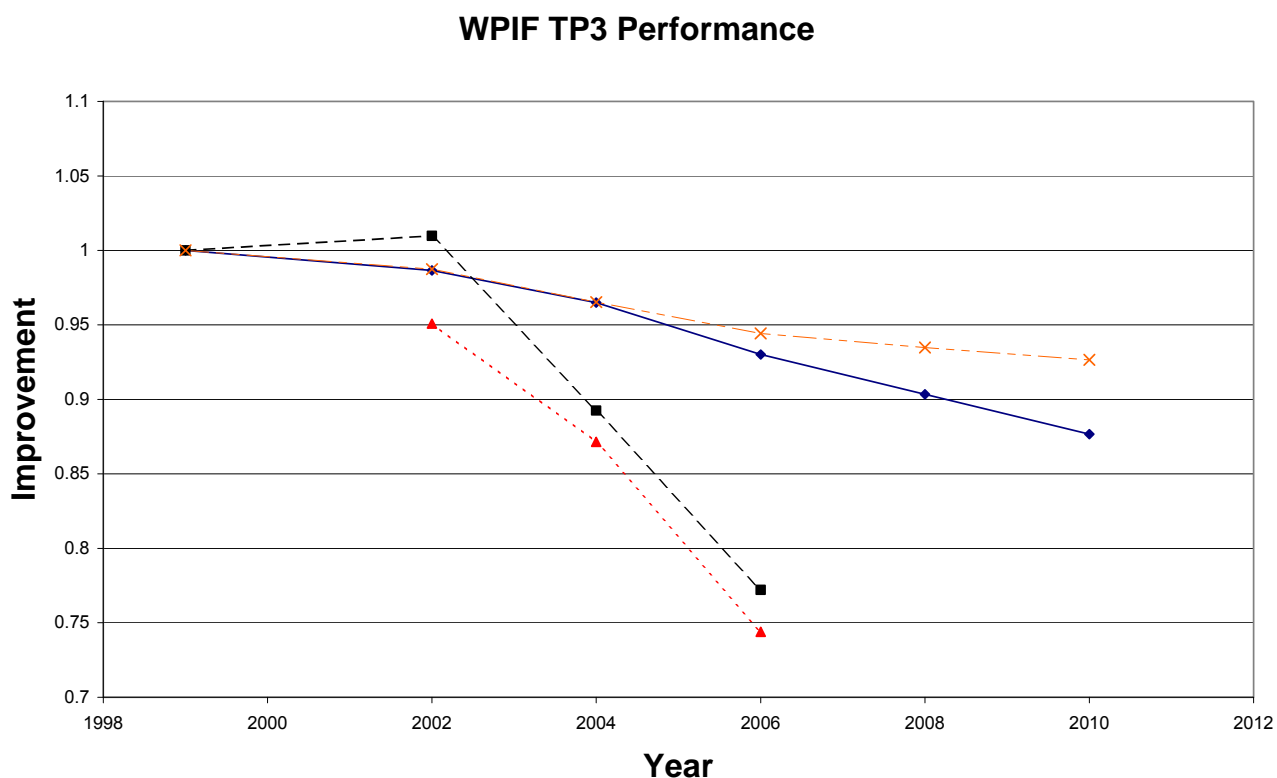
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments, the final sector target for the TP3 was 785 kWh_p/m^3 . This includes adjustments for EU ETS adjustments (see details below) and is equivalent to a sector target change (tightening) of -196 kWh_p/m^3 .

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴⁵ baseline for all target periods to date.						
	Equivalent baseline (1999)			Performance		
	Energy (kWh)	Production (m³)	SEC (kWh_p/m³)	Energy (kWh)	Production (m³)	SEC (kWh_p/m³)
TP1	3,049,768,069	3,138,392	972	3,170,074,284	3,230,814	981
TP2	3,049,768,069	3,138,392	972	3,130,272,007	3,609,403	867
TP3	3,550,979,100	3,366,147	1,055	3,008,661,304	3,693,844	815
Adjustment for overlap with EU ETS						
Four Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.						
All four Target Units had their targets tightened due to double counting. Overall, there was an EU ETS excess of 59 ktCO ₂ , which resulted in an adjustment (tightening) to the CCA target of 88 kWh _p /m ³ . This is included within the adjusted target described above.						
Commentary						
The sector performance of 815 kWh _p /m ³ is above the CCA adjusted target of 785 kWh _p /m ³ and, therefore, the sector has not met its target. All facilities have been recertified either because they have met their individual targets outright, or through a mixture of trading and/or product mix.						
The following table shows how the sector has improved relative to the equivalent base-year (1999) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement			Actual Improvement		
TP1	1.3%			-1.0%		
TP2	3.5%			11%		
TP3	7.0%			23%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁴⁵ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲— Target after adjustments
- ×— Original targets

The target after adjustments includes adjustments associated with overlaps with EU ETS as well as adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP1	0.1	6
TP2	-1.4	-68
TP3	-3.2	-160

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (1999) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP1	0.4	22	3
TP2	0.3	15	15
TP3	-2	-98	10

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

SURFACE ENGINEERING (SEA2)

Scope and membership of the umbrella agreement

SEA represents the metal-finishing sector, carrying out processes including electroplating and anodising. SEA is a subsidiary of the British Jewellery and Giftware and Finishing Federation, which is the formal signatory to the agreement.

This Climate Change Agreement (SEA2) is an Energy Intensity CCA covering companies that specialise in heat treatment of metallic components. This CCA is reporting for the first time at Target Period 3 (TP3).

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh at a given level of throughput (kWh_p). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes due to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as agreed when the sector was initiated.

	Baseline (kWh _p)	TP1(2002)	TP2(2004)	TP3(2006) (kWh _p)	TP4(2008) (kWh _p)	TP5(2010) (kWh _p)
Original	627,139,631	N/A	N/A	620,868,235	614,596,839	576,968,461
At TP3*	656,629,723	N/A	N/A	650,063,426	643,497,129	604,099,346

* Note - The targets and baseline at TP3 differ from the original values (ie. agreed when the umbrella agreement was established) because there has been one exit from the agreement.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 6 ktCO₂ were ring-fenced
- Allowances equivalent to 5 ktCO₂ were purchased

Overall there was a net ring-fencing of 1 ktCO₂, equivalent to a sector target change (tightening) of -5,436,542 kWh_p (Note - figures rounded for presentation).

PMO

A product mix adjustment was carried out at sector level using the Novem method to adjust the overall sector target for throughput.

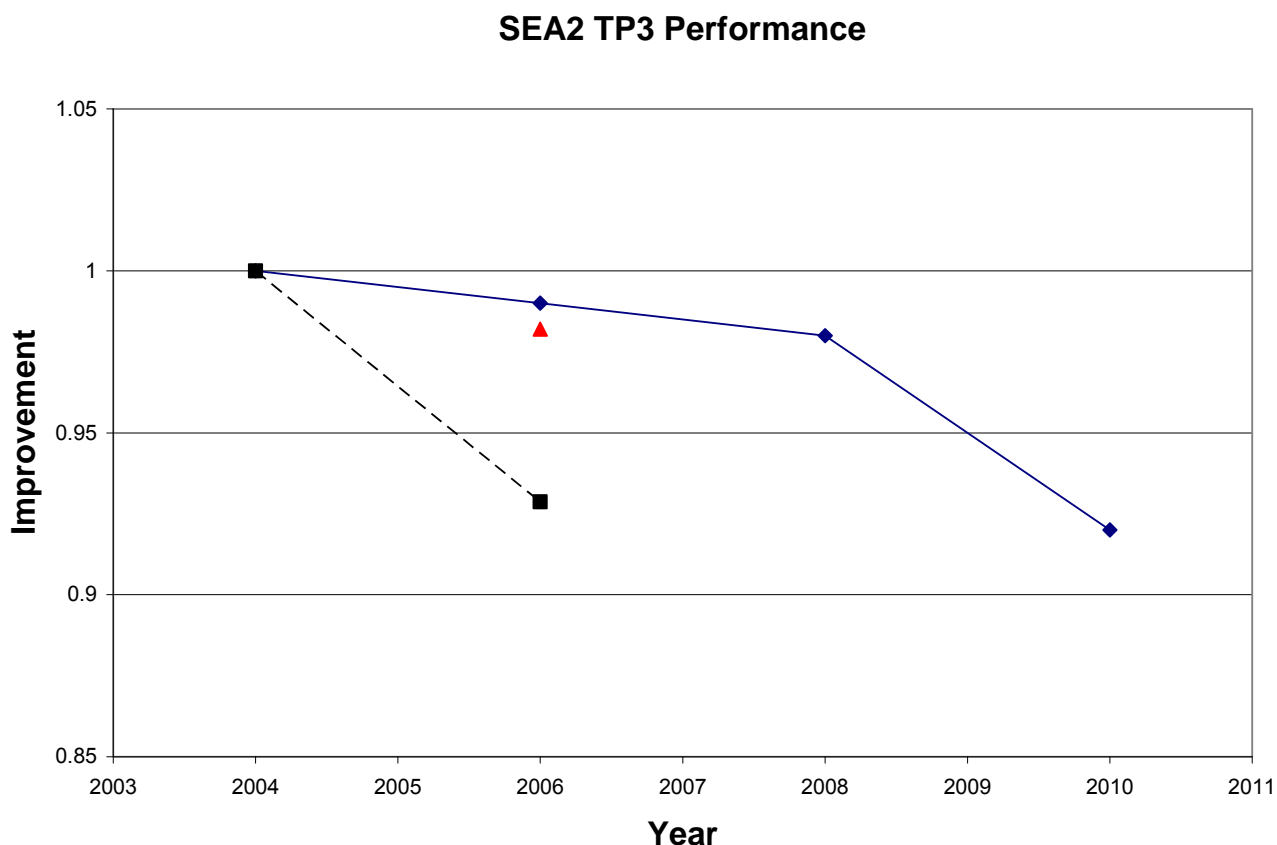
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 666,829,146 kWh_p.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴⁶ baseline for Target Period 3 (TP3).						
	Equivalent baseline (2004)			Performance		
	Energy (kWh_p)	Production (mixed units)	SEC	Energy (kWh_p)	Production (mixed units)	SEC
TP3	656,629,723	N/A	N/A	630,617,772	N/A	N/A
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 630,617,772 kWh _p is below the CCA adjusted target of 666,829,146 kWh _p and therefore the sector has met its target. All facilities have been recertified as the sector passed overall.						
The following table shows how the sector has improved relative to the equivalent base-year (2004) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP3	1.0%			7.1%		

⁴⁶ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- Actual performance
- ▲--- Target after adjustments

The target after adjustments includes adjustments associated with trading and ring-fencing.
The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position. For this target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for TP3. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP3	-0.2	-9

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position and this target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	-0.1	-5	3

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

THE BRITISH COMPRESSED GAS ASSOCIATION (BCGA)

Scope and membership of the umbrella agreement

BCGA represents the companies in the UK that produce and supply compressed gases to industry and the health sector. This Climate Change Agreement (CCA) represents those facilities covered by the Energy Intensity CCA that is reporting for the first time at Target Period 3 (TP3).

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline kWh _p /t	TP1(2002)	TP2(2004)	TP3(2006) kWh _p /t	TP4(2008) kWh _p /t	TP5(2010) kWh _p /t
Original	1,182.77	N/A	N/A	1,135.46	1,088.15	1,005.36
At TP3*	1,203.78	N/A	N/A	1,155.63	1,107.48	1,023.21

* Note - The targets and baseline at TP3 differ from the original values (ie. agreed when the umbrella agreement was established) due to a baseline correction.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 7 ktCO₂ were ring-fenced
- Allowances equivalent to 14 ktCO₂ were purchased

Overall there was a net purchase of 7 ktCO₂, equivalent to a sector target change (easing) of 17 kWh_p/t (Note - figures rounded for presentation).

PMO

There are no PMO adjustments in this sector.

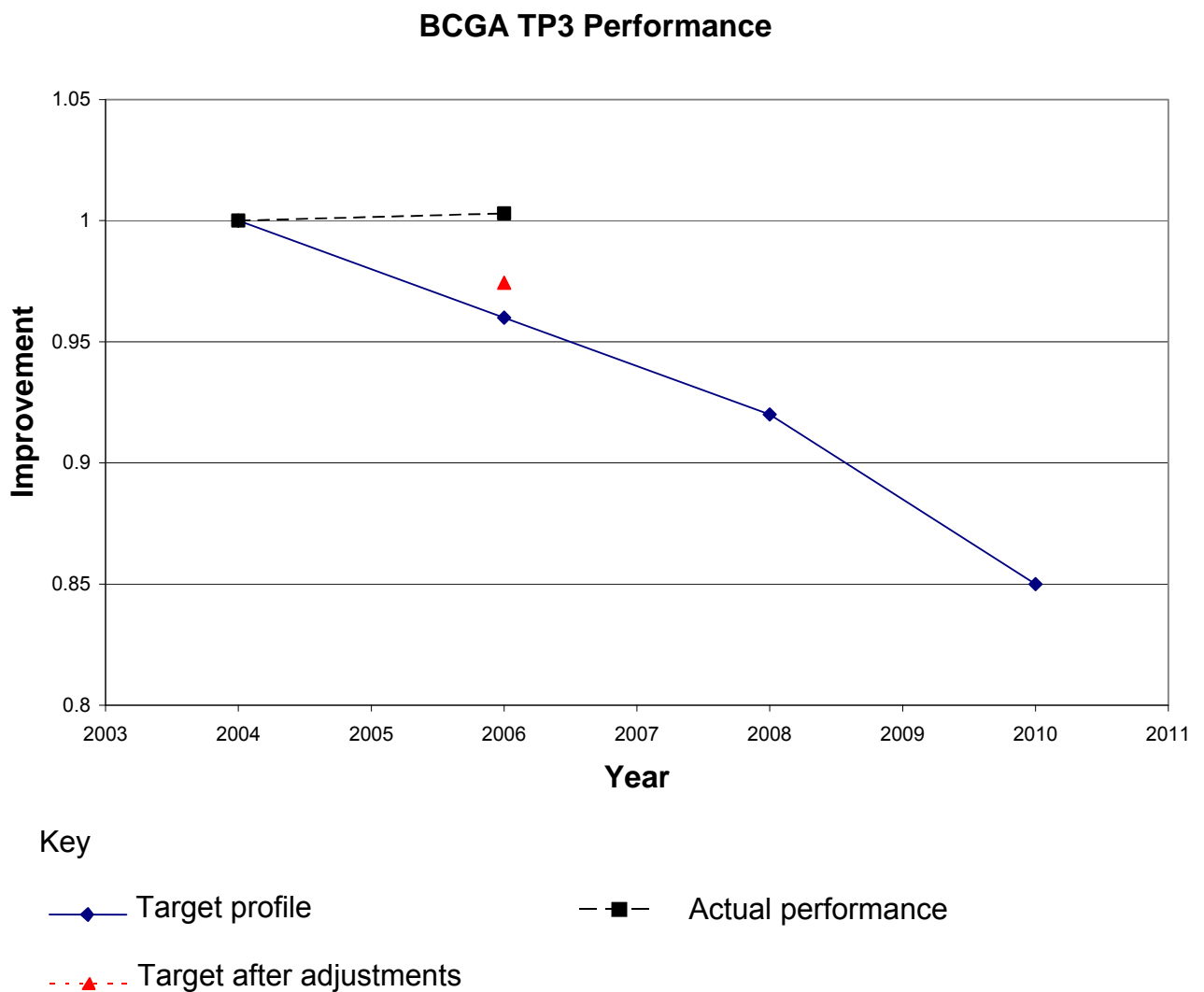
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 1,173 kWh_p/kWh.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴⁷ baseline for all target periods to date.						
	Equivalent baseline (2004)			Performance		
	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/t)	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/t)
TP3	3,193,307,582	2,652,729	1,204	3,133,030,121	2,594,818	1,207
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 1,207 kWh _p /t is above the CCA adjusted target of 1,173 kWh _p /t, and, therefore, the sector has not met its target. All facilities have been recertified by either meeting their targets outright or by trading.						
The following table shows how the sector has improved relative to the equivalent base year (2004) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP3	4.0%			-0.3%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁴⁷ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have changed compared with the equivalent base-year (2004) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO₂ compared with Equivalent Baseline	
	Energy (PJ)	CO₂ (kilotonnes)
TP3	0.03	1.6

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base year (2004) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	-0.2	-10	-2

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

BRITISH CALCIUM CARBONATE FEDERATION (BCCF)

Scope and membership of the umbrella agreement

The BCCF represents the calcium carbonate sector in the UK that specialises in the processing and supply of this material in a purified form for agricultural, industrial, pharmaceutical and food applications. This Climate Change Agreement (CCA) represents those facilities covered by an Energy Intensity CCA that is reporting for the first time at Target Period 3 (TP3).

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to exits and entrants, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as agreed when the sector was initiated.

	Baseline kWh _p /t	TP1(2002)	TP2(2004)	TP3(2006) kWh _p /t	TP4(2008) kWh _p /t	TP5(2010) kWh _p /t
Original	160.21	N/A	N/A	153.80	150.60	144.19
At TP3*	160.01	N/A	N/A	153.61	150.41	144.01

* Note - The targets and baseline at TP3 differ from the original values (ie. agreed when the umbrella agreement was established) due to a baseline correction.

Additional risk management adjustments to the TP3 sector target.

Carbon trading

- Allowances equivalent to 3 ktCO₂ were ring-fenced
- Allowances equivalent to 3 ktCO₂ were purchased

Overall, there was a net ring-fencing of 0.5 ktCO₂, equivalent to a sector target change (tightening) of -1.24 kWh/t (Note - figures rounded for presentation.)

PMO

There is no PMO adjustment in this sector at sector or Target Unit level.

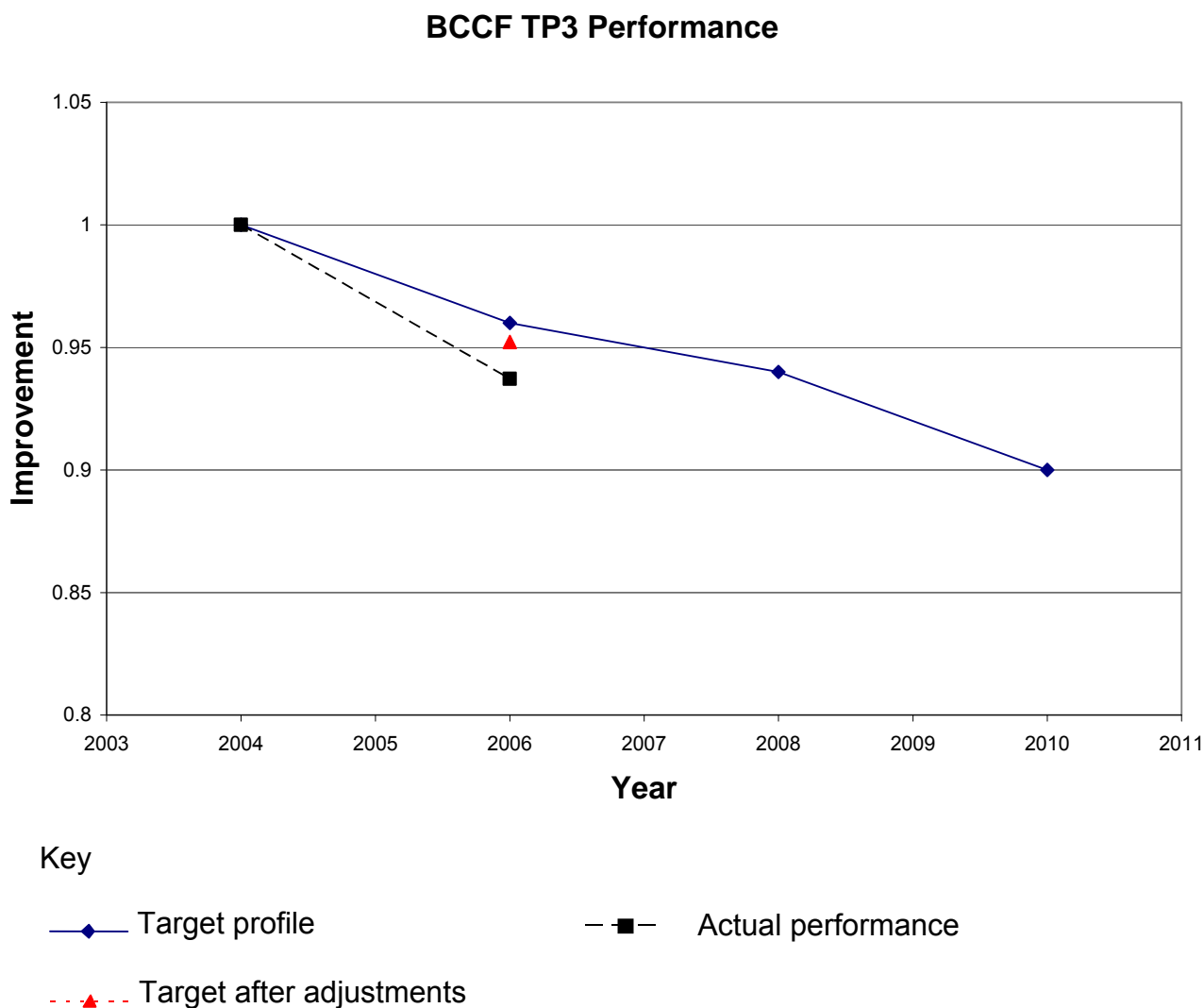
Final adjusted CCA sector target for TP3

As a consequence of the adjustments described above, the final sector target for TP3 was 152.37 kWh_p/t.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴⁸ baseline for this target period.						
	Equivalent baseline (2004)			Performance		
	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/t)	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/t)
TP3	408,619,112	2,553,668	160.01	374,370,804	2,496,501	149.96
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 149.96 kWh _p /t is below the CCA adjusted target of 152.37 kWh _p /t and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base year (2004) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP3	4.0%			6.3%		

⁴⁸ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position. For this target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO₂ compared with Equivalent Baseline	
	Energy (PJ)	CO₂ (kilotonnes)
TP3	-0.1	-4.5

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position this target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	-0.1	-6.1	-2

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

THE KAOLIN AND BALL CLAY ASSOCIATION (KABCA)

Scope and membership of the umbrella agreement

KABCA represents the UK producers of kaolin and ball clay. The sector extracts, purifies and supplies kaolin for a number of industrial sectors. This Climate Change Agreement (CCA) represents facilities covered by an Energy Intensity CCA that is reporting for the first time at Target Period 3 (TP3).

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh (kWh_p). The sector agreement is an absolute energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as agreed when the sector was initiated.

	Baseline (kWh_p)	TP1(2002)	TP2(2004)	TP3(2006) (kWh_p)	TP4(2008) (kWh_p)	TP5(2010) (kWh_p)
Original	1,728,116,780	N/A	N/A	1,666,016,799	1,631,110,930	1,597,272,280
At TP3	1,728,116,780	N/A	N/A	1,618,553,349*	1,631,110,930	1,597,272,280

* Note - The targets and baseline at TP3 differ from the original values (ie. agreed when the umbrella agreement was established) due to a throughput baseline correction.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 16 ktCO₂ were ring-fenced
- Allowances equivalent to 2 ktCO₂ were purchased

Overall there was a net ring-fencing of 14 ktCO₂, equivalent to a sector target change (tightening) of -82,168,518 kWh_p. (Note - figures rounded for presentation.)

PMO

There were no product mix adjustments in this sector.

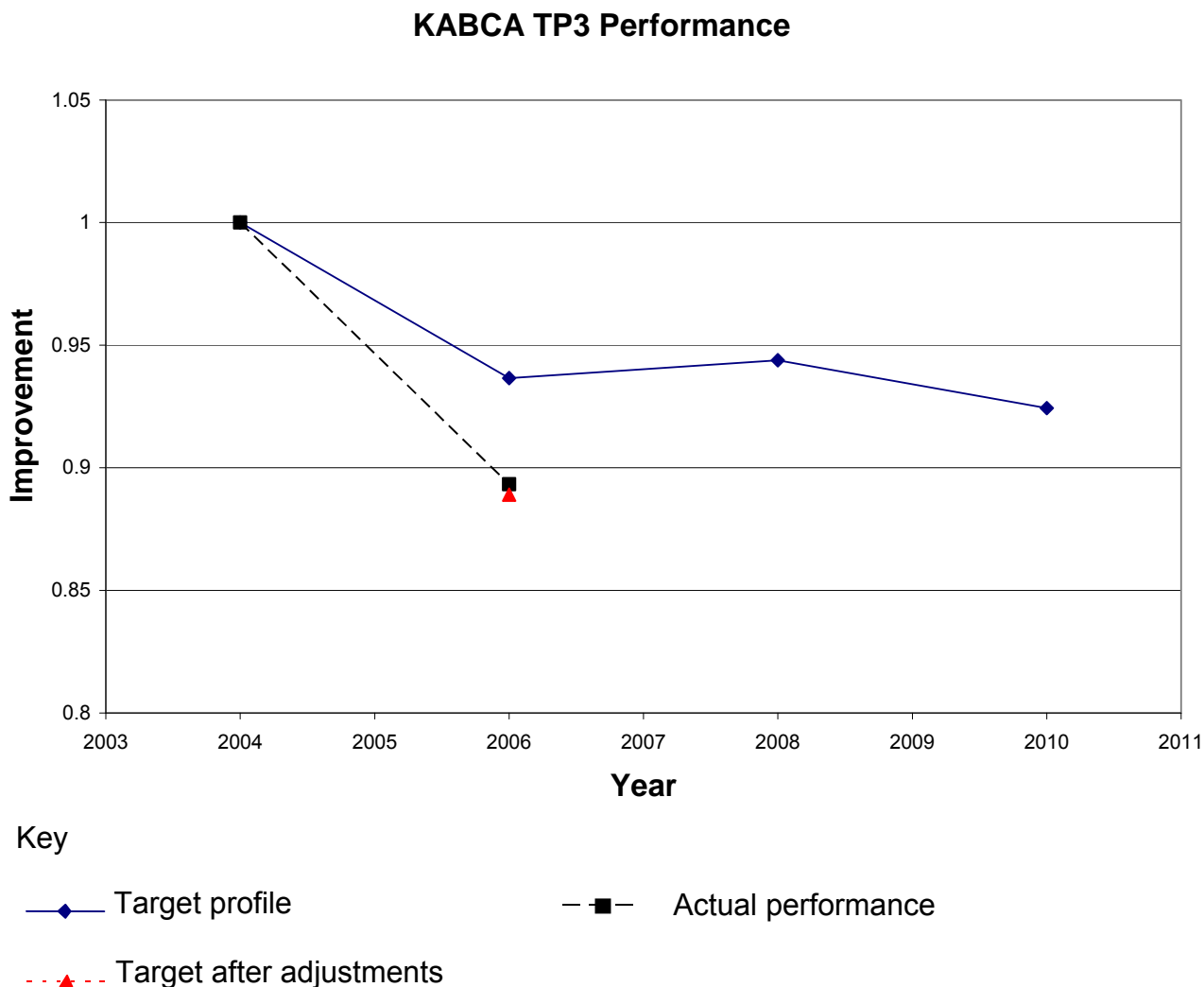
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 period was 1,536,384,831 kWh_p.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁴⁹ baseline for all target periods to date.						
	Equivalent baseline (2004)			Performance		
	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/tonne)	Energy (kWh_p)	Production (tonnes)	SEC (kWh_p/tonne)
TP3	1,728,116,780	Not applicable	Not applicable	1,543,745,201	Not applicable	Not applicable
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 1,543,745,201 kWh _p is above the CCA adjusted target of 1,536,384,831 kWh _p and, therefore, the sector has not met its target. All facilities have been recertified either because they have met their individual targets outright, or through trading.						
The following table shows how the sector has improved relative to the equivalent base-year (2004) position at each target period.						
(Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement compared with Equivalent Baseline at each Target Period						
	Target Improvement			Actual Improvement		
TP3	6.3%			11%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁴⁹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

This sector has an absolute target and so it is not appropriate to calculate how the relative energy consumption and CO₂ emissions for the sector have changed compared with the equivalent base-year position.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	-0.7	-33	2
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.			

THE PACKAGING AND INDUSTRIAL FILMS SECTOR (PIFA)

Scope and membership of the umbrella agreement

PIFA represents the companies in the UK that produce and supply plastic film produced using extrusion to convert melted polymer into blown or cast film. This Climate Change Agreement (CCA) represents those facilities covered by the Energy Intensity CCA, which is reporting for the first time at Target Period 3 (TP3).

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in kilograms of carbon per tonne (kgC/tonne). These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline kgC/t	TP1(2002)	TP2(2004)	TP3(2006) kgC/t	TP4(2008) kgC/t	TP5(2010) kgC/t
Original	80.12	N/A	N/A	77.71	74.51	70.50
At TP3	80.35	N/A	N/A	77.82	74.72	70.71

Additional adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 1 ktCO₂ were ring-fenced
- Allowances equivalent to 2 ktCO₂ were purchased

Overall, there was a net purchase of 1 ktCO₂, equivalent to a sector target change (easing) of 0.89 kgC/t (Note - figures rounded for presentation.)

PMO

There are no PMO adjustments in this sector.

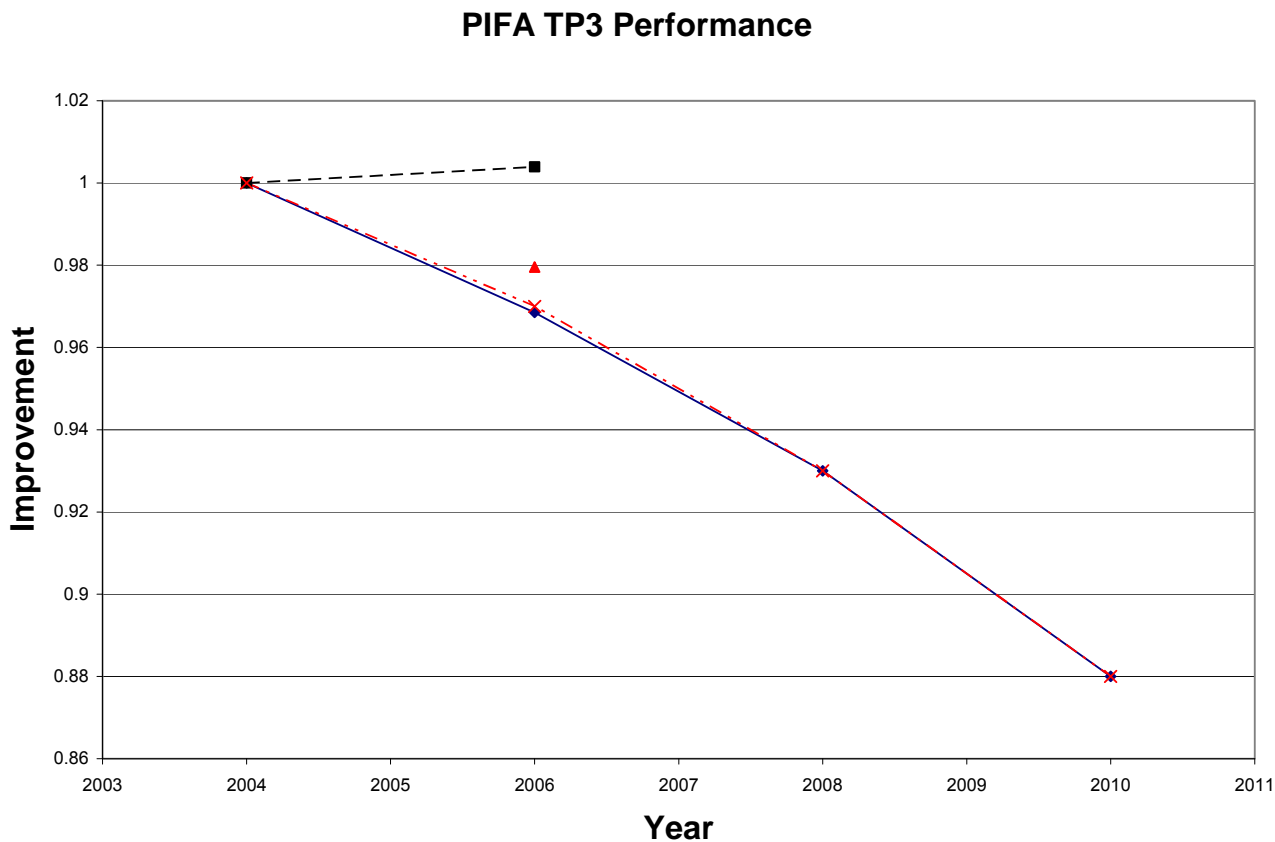
Final adjusted sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 78.71 kgC/kWh.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁵⁰ baseline for all target periods to date.						
	Equivalent baseline (2004)			Performance		
	Carbon (kgC)	Production (tonnes)	SCC (kgC/tonne)	Carbon (kgC)	Production (tonnes)	SCC (kgC/tonne)
TP3	20,556,099	255,835	80.35	20,905,047	259,169	80.66
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 80.66 kgC/t is above the CCA adjusted target of 78.71 kgC/t and, therefore, the sector has not met its target. All facilities were recertified either because they have met their individual targets outright, or through trading.						
The following table shows how the sector has improved relative to the equivalent base-year (2004) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
Improvement in SEC compared with Equivalent Baseline at each Target Period						
	Target Improvement			Actual Improvement		
TP3	3.2%			-0.4%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁵⁰ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- ▲— Target after adjustments
- Actual performance
- ×— Original targets

The target after adjustments includes adjustments associated with trading and ring-fencing.
The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position. For each target period it shows the change in energy and CO₂ assuming throughput at the base year had been that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP3	0.01	0.30

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care

should be taken in comparing the performance in future target periods			
Absolute energy/CO₂			
The following table shows how the absolute energy consumption and CO ₂ emissions for the sector have improved compared with the equivalent base-year (2004) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions.)			
Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline			
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	-0.03	1	1.3
NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.			

TEXTILES (BATC 2)

Scope and membership of the umbrella agreement

BATC represents the textile and clothing industry in the UK, carrying out various activities in textile dyeing, finishing and scouring. This Climate Change Agreement (CCA) represents those facilities covered by the Energy Intensity CCA, which is reporting for the first time at Target Period 3 (TP3).

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are given in primary kWh at a given level of throughput (kWh_p). The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as agreed when the sector was initiated.

	Baseline (kWh _p)	TP1(2002)	TP2(2004)	TP3(2006) (kWh _p)	TP4(2008) (kWh _p)	TP5(2010) (kWh _p)
Original	263,055,416	N/A	N/A	257,794,308	249,902,646	236,749,875
At TP3*	167,075,119	N/A	N/A	163,733,616	158,721,363	150,367,607

* The row 'At TP3' represents the facilities that joined the CCA up to three months before the end of the Target Period. The Original baseline includes some facilities that did not report at TP3.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 1 ktCO₂ were ring-fenced

Overall, this net ring-fencing is equivalent to a sector target change (tightening) of -7,091,601 kWh_p. (Note – figures rounded for presentation.)

PMO

Product mix adjustment was carried out purely at sector level. The PMO for the sector is equivalent to an easing of the sector target by 12,790,938 kWh_p.

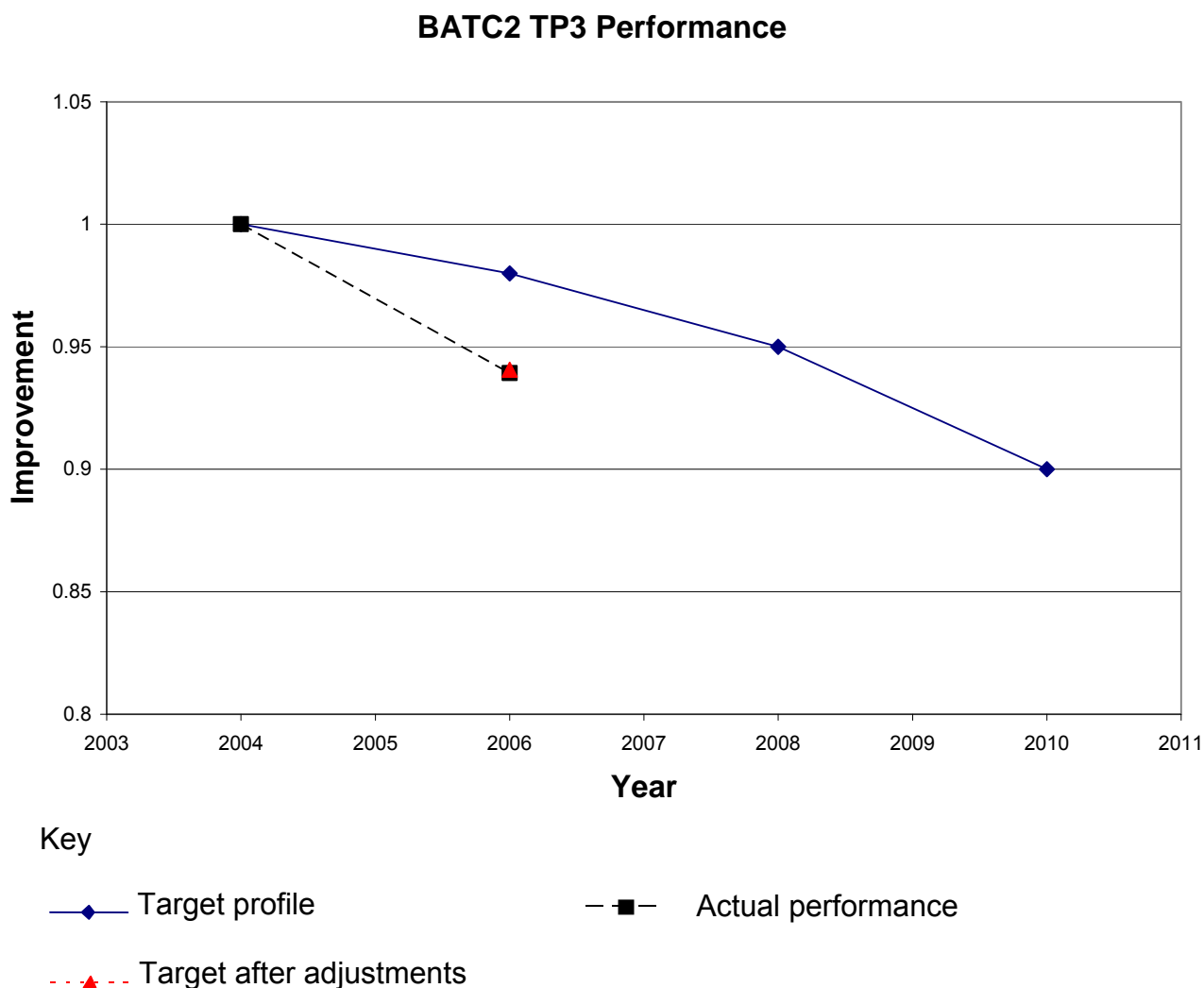
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 169,432,953 kWh_p.

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁵¹ baseline for all target periods to date.						
	Equivalent baseline (2004)			Performance		
	Energy (kWh_p)	Production (mixed units)	SEC	Energy (kWh_p)	Production (mixed units)	SEC
TP3	167,075,119	83,156,994	N/A	169,195,683	74,660,202	N/A
Adjustment for overlap with EU ETS						
No target units reporting at TP3 are part of EU ETS so no adjustments were required.						
Commentary						
The sector performance of 169,195,683 kWh _p is below the CCA adjusted target of 169,432,953 kWh _p and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.						
The following table shows how the sector has improved relative to the equivalent base-year (2004) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at Target Period 3					
	Target Improvement			Actual Improvement		
TP3	2.0%			6.1%		

⁵¹ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with trading and ring-fencing.

The target profile includes any adjustments due to throughput corrections.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position. For this target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for this target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO₂ compared with Equivalent Baseline	
	Energy (PJ)	CO₂ (kilotonnes)
TP3	-0.04	-2

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position this target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	0.01	0.4	-10

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

NATIONAL FARMERS UNION (NFU) – HORTICULTURE (EI)

Scope and membership of the umbrella agreement

The NFU horticulture energy intensive (EI) agreement covers sites where (in controlled, environment-protected structures) horticultural crops are grown, harvested and receive primary preparation for market including planting/seeding, heating, lighting, ventilating, irrigating, fertilising, cooling, preparing and sterilising of growing media, grading and conveying.

This Climate Change Agreement (CCA) represents those facilities covered by the Energy Intensity CCA that is reporting for the first time at Target Period 3 (TP3).

This sector has Target Units with installations in EU ETS. The sector has provided information to show performance in the presence and absence of adjustments applied due to EU ETS.

Targets

The targets for this sector are expressed in primary kWh/m². The sector agreement is a relative energy agreement. These targets change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as originally agreed and at each target period (TP) to date.

	Baseline (kWh/m²)	TP1(2002) (kWh/m²)	TP2(2004) (kWh/m²)	TP3(2006) (kWh/m²)	TP4(2008) (kWh/m²)	TP5(2010) (kWh/m²)
Original	491.5	N/A	N/A	471.9	452.2	432.6
At TP3	499.8	N/A	N/A	479.8	459.8	439.8

* Note - The targets and baseline at TP3 differ from the original values (ie. agreed when the umbrella agreement was established) due to baseline corrections.

Additional risk management adjustments to the TP3 sector target

Carbon trading

- Allowances equivalent to 49 ktCO₂ were ring-fenced
- Allowances equivalent to 4 ktCO₂ were purchased

Overall there was a net ring-fencing of 45 ktCO₂, equivalent to a sector target change (tightening) of -61.3 kWh/m². (Note - figures rounded for presentation.)

PMO

No product mix adjustments were carried out.

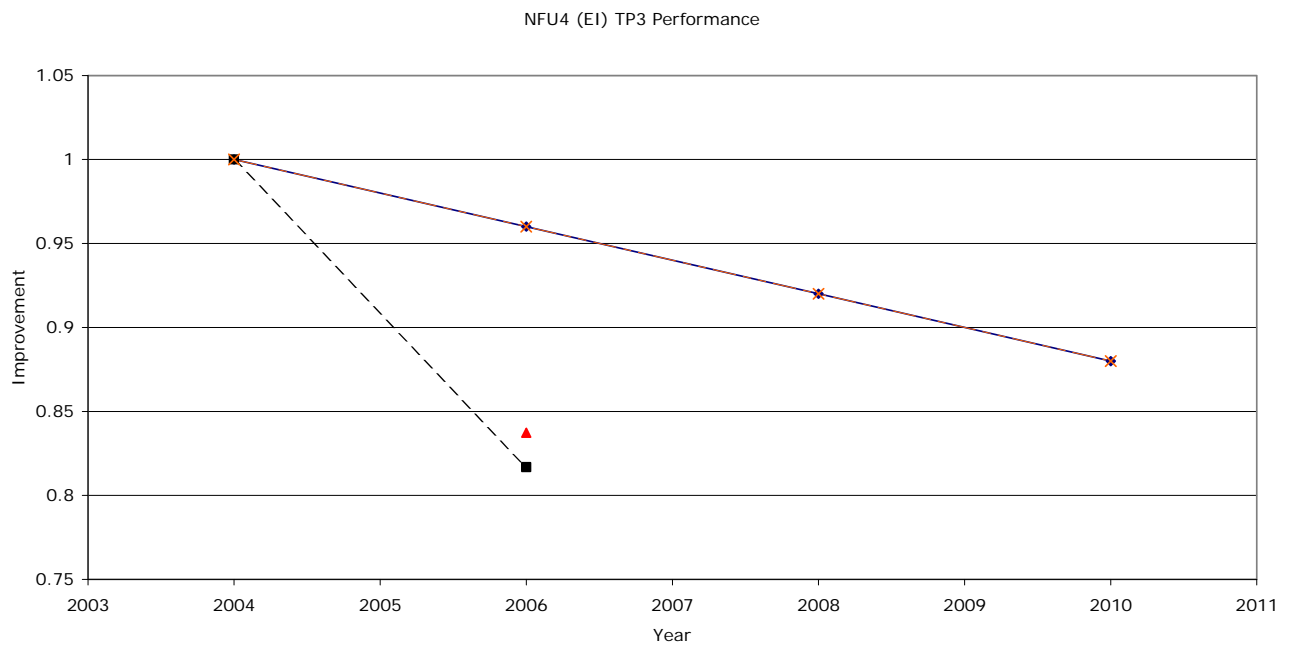
Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 418.5 kWh/m².

Sector performance recorded						
The following table shows the sector performance against the equivalent ⁵² baseline for all target periods to date.						
	Equivalent baseline (2004)			Performance		
	Energy (kWh)	Production (m²)	SEC (kWh/m²)	Energy (kWh)	Production (m²)	SEC (kWh/m²)
TP3	1,769,843,334	3,541,118	499.8	1,498,338,041	3,670,282	408.2
Adjustment for overlap with EU ETS						
Two Target Units reporting at TP3 are part of EU ETS and Climate Change Agreements. These Target Units were required to adjust their targets for double counting between these two schemes.						
Both Target Units had their targets tightened due to double counting. Overall there was an EU ETS (excess) of 21 ktCO ₂ which resulted in an adjustment (tightening) to the sector target of -28.2 kWh/m ² .						
Commentary						
The sector performance of 408.2 kWh/m ² is below the CCA adjusted target of 418.5 kWh/m ² and, therefore, the sector has met its CCA target.						
However, the adjustments for overlap with EU ETS (including trading) changed the CCA target to 392.4 kWh/m ² . The sector did not meet its target. Of the two facilities that had an overlap adjustment, one purchased allowances and the other accepted failure. The actual net trading was ring-fencing of 43 ktCO ₂ .						
Two facilities were decertified, having failed to meet their individual targets. 119 facilities have been recertified by exceeding their own target or through trading.						
The following table shows how the sector has improved relative to the equivalent base-year (2004) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).						
	Improvement in SEC compared with Equivalent Baseline at each Target Period					
	Target Improvement			Actual Improvement		
TP3	4.0%			18%		
NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.						

⁵² Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

Graph of performance and current targets relative to the base year



Key

- ◆— Target profile
- ▲— Target after adjustments
- Actual performance
- ×— Original targets

The target after adjustments does not include adjustments associated with overlaps with EU ETS, but does include adjustments due to trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position. For each target period, it shows the change in energy and CO₂ assuming throughput at the base year had been the same as that for the relevant target period. (Negative values imply consumption/emissions in the target period is less than the equivalent base year.)

	Change in annual Relative Energy and CO ₂ compared with Equivalent Baseline	
	Energy (PJ)	CO ₂ (kilotonnes)
TP3	-1.2	-67

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position for each target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	-1.0	-54	4%

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance at different target periods.

BRITISH NONWOVEN MANUFACTURERS ASSOCIATION (BNMA)

Scope and membership of the umbrella agreement

The BNMA represents two companies, Terram and Tensar International, which specialise in the manufacture of geotextiles that are used to stabilise structures such as embankments or roads. This Climate Change Agreement (CCA) is an Energy Intensity CCA which is reporting for the first time at Target Period 3 (TP3).

This sector has no Target Units that have installations in EU ETS.

Targets

The targets for this sector are expressed in primary kWh per tonne (kWh_p/t). The sector agreement is a relative energy agreement. These targets may change with time as the composition of the sector changes, owing to entrants and exits, and as a result of corrections to baseline data.

The following table shows the targets and equivalent 2004 baseline for this sector as agreed when the sector was initiated.

	Baseline (kWh _p /t)	TP1(2002)	TP2(2004)	TP3(2006) (kWh _p /t)	TP4(2008) (kWh _p /t)	TP5(2010) (kWh _p /t)
Original	3,535.09	N/A	N/A	3,464.39	3,287.63	3,181.58
At TP3	3,535.09	N/A	N/A	3,464.39	3,287.63	3,181.58

Additional risk management adjustments to the TP3 sector target

Carbon trading

Overall, there was a net purchase of 2 ktCO₂, equivalent to a sector target change (easing) of 217.74 kWh_p/t (Note - figures rounded for presentation).

PMO

There are no PMO corrections in this sector.

Final adjusted CCA sector target for the TP3

As a consequence of the adjustments described above, the final sector target for the TP3 was 3,682.13 kWh_p/t.

Sector performance recorded

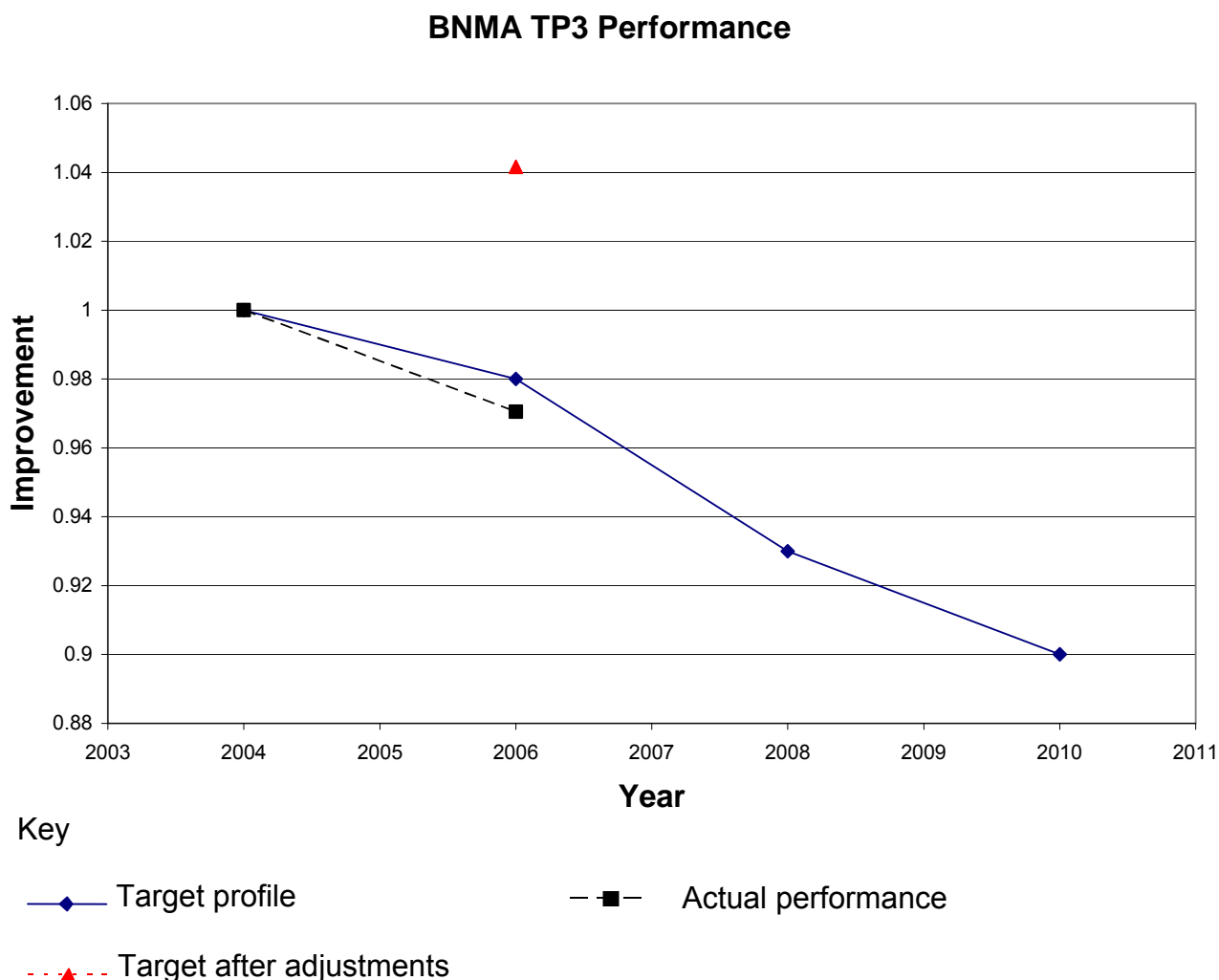
The following table shows the sector performance against the equivalent⁵³ baseline for Target Period 3 (TP3).

	Equivalent baseline (2004)			Performance		
	Energy (kWh _p /t)	Production (tonnes)	SEC (kWh _p /t)	Energy (kWh _p /t)	Production (tonnes)	SEC (kWh _p /t)
TP3	131,812,924	37,287	3,535.09	131,092,217	38,212	3,431.66

⁵³ Please see Annex 1 of the main report for an explanation of the format and terminology of this summary.

<p>Adjustment for overlap with EU ETS No target units reporting at TP3 are part of EU ETS so no adjustments were required.</p>		
<p>Commentary The sector performance of 3,430.66 kWh_p/t is below the CCA adjusted target of 3,682.13 kWh_p/t, and, therefore, the sector has met its target. All facilities have been recertified as a consequence of the sector meeting its target.</p> <p>The following table shows how the sector has improved relative to the equivalent base-year (2004) position at each target period. (Positive figures imply the target became more demanding or the achievement was greater. Negative figures imply the target became easier or there was a deterioration in performance).</p>		
<p>Improvement in SEC compared with Equivalent Baseline at each Target Period</p>		
	<p>Target Improvement</p>	<p>Actual Improvement</p>
TP3	<p>2.0%</p>	<p>3.0%</p>
<p>NOTE: These figures are not directly comparable since the equivalent baseline changes at each target period as the sector population changes.</p>		

Graph of performance and current targets relative to the base year



The target after adjustments includes adjustments associated with trading and ring-fencing.

Impact of the sector performance

Relative energy/CO₂

The following table shows how the relative energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position. For this target period, it shows the change in energy and CO₂ assuming throughput at the base year had been that for TP3. (Negative values imply consumption/emissions in the target period is less than the equivalent base year).

	Change in annual Relative Energy and CO₂ compared with Equivalent Baseline	
	Energy (PJ)	CO₂ (kilotonnes)
TP3	-0.01	-0.7

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.

Absolute energy/CO₂

The following table shows how the absolute energy consumption and CO₂ emissions for the sector have improved compared with the equivalent base-year (2004) position and this target period. It also shows the percentage change in throughput. (Negative values imply a fall in consumption/emissions).

	Change in annual Absolute Energy and CO₂ compared with Equivalent Baseline		
	Energy (PJ)	CO₂ (kilotonnes)	Production (%)
TP3	-0.003	-0.1	2

NOTE: The equivalent baseline at each target period may change as the sector population changes, so care should be taken in comparing the performance in future target periods.