



**Local Annual Environmental Report
For HMP & YOI Parc**

January – December 2010



HELPING US TO HELP YOU

This report has been produced by the Environmental Manager of HMP & YOI Parc Bridgend.

Any suggestions or proposals for improving our environmental performance in the following categories would be gratefully received:

- Water Conservation.
- Energy Conservation.
- Reducing our environmental Impact.
- Recycling schemes.
- Waste minimisation schemes.
- Reduction of our environmental impact regarding transport use.
- Opportunities for encouraging biodiversity to the site.
- Any initiatives or ideas that would help towards improved energy, resource use and enhanced environmental performance.

Please Contact:

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1.0 FOREWARD

Our aim with this document is to provide a progress report on our environmental performance over the last 12 months and give an insight into our future objectives.

Environmental legislation is one of the main drivers behind HMP & YOI Parc's environmental programme. There already exists a minefield of European and UK Acts and Regulations that stipulate what an organisation must comply with in order to prevent harm to the environment, many which have a bearing on HMP & YOI Parc. Environmental legislation needs to be continually assessed and the steps taken to act as a good neighbour within the local and global community as well as avoiding prosecution for non-compliance.

Environmental performance may be primarily driven by legislation but an organisations reputation comes into its own when they can demonstrate that they go that extra mile.

This years report delivers a year on year comparison of our environmental performance, recording improvement or deterioration, what has been achieved to date and the measures we hope to take in the future.

This year the successful achievement of the Green Dragon Environmental Standard Level 5 was one of our objectives for improvement and in addition we are just starting on the path towards the Wildlife trusts of UK Biodiversity benchmark.

Our ISO 14001 (2004) accredited Environmental Management System which we have held since 2003 and which is fully compliant with the Green Dragon Environmental standard has the full and total support of the Senior Management Team and myself.

Janet Wallsgrove
Director
HMP & YOI Parc

March 2011



2.0 ENVIRONMENTAL POLICY STATEMENT

HMP & YOI Parc, as a provider of first class justice services, recognises that an awareness of the environment and environmental issues relating to our operations should be a fundamental part of its business. Our objective is to achieve a balance that addresses the needs of the business with the responsibilities required to maintain our formal environmental management systems. HMP & YOI Parc will promote, wherever possible, its commitment to an environmentally caring future through certification to the environmental BS EN ISO 14001:2004 Standards.

In particular we shall:

- Carry out an initial environmental review.
- Ensure employees, contractors and prisoners are responsible for working in a manner that protects the environment.
- Improve awareness of environmental matters through ongoing training programmes.
- Ensure full compliance with environmental legislation relating to our operations.
- Comply with G4S care & Justice Environmental Policy.
- Create a programme of continual improvement through set objectives and targets, which shall reinforce our full commitment to pollution prevention.
- Identify strengths and areas for improvement and to highlight action required to prevent potential incidents via a comprehensive audit programme.
- Report annually & publicly on our environmental performance

We intent to address our environmental impact through controls in:

Utility Consumption	Waste Waters
Waste Management	Contractors Awareness/Control
Material Consumption	Energy Procedures
Transport	Education of Staff/Prisoners
Purchasing	New Developments
Raw Material Storage	Carbon Dioxide Monitoring

This policy will be reviewed annually and revised as necessary.

It is the responsibility of all employees, sub-contractors, prisoners and visitors to fully support this policy through their active co-operation and participation.

This policy statement will be displayed in all areas of the prison for information purposes and will be made available to the public via our website and any other interested party.

Signed	DIRECTOR HMP & YOI PARC	26 June 2010
_____	DATE	_____

Signed	OPERATIONS DIRECTOR	26 June
_____	DATE	2010



3.0 OUR CARBON FOOTPRINT

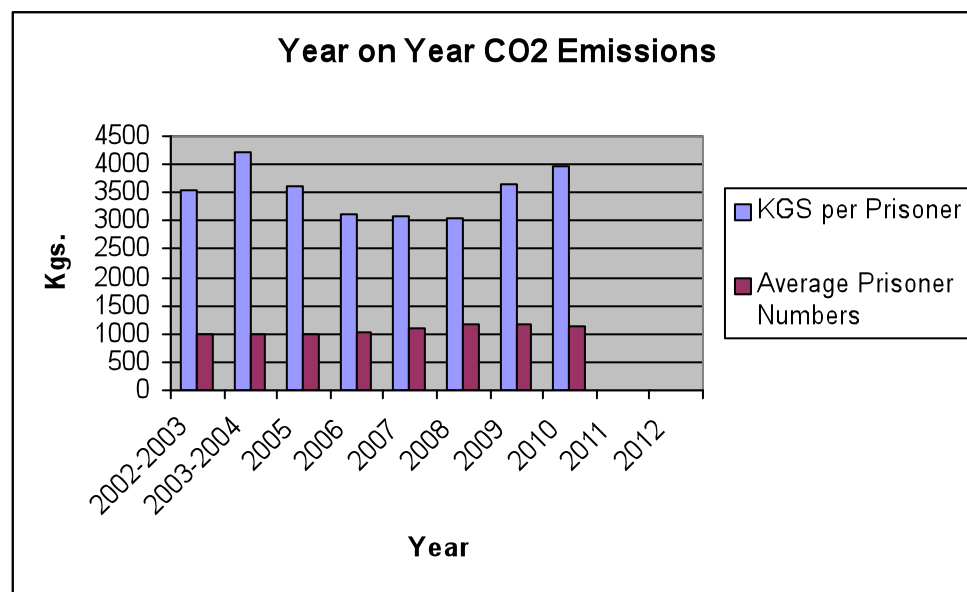
Our total carbon footprint for 2010 was 4346 tonnes which, based on the average number of prisoners equates to 3.82 tonnes per prisoner.

This was a 2.83% increase over the 2009 figure of 4223 tonnes or 3.64 tonnes per prisoner.

Over the same period there was a 1.9% decrease in prisoner numbers.

Although at first glance a rise in emissions against a decrease in population appears disappointing we have to be aware that over the same period we added water, fugitive emissions and taxi travel to our CO₂ calculations in addition to the fact that a new houseblock was under construction along with all the associated energy consumption.

A clearer picture should develop during the next reporting period.



Notes: Data source: CRC Energy Efficiency Scheme Order: table of Conversion Factors Jan 2010
Data includes: Utilities, fuel, transport and Fugitive emissions

MEASURES TAKEN TO REDUCE CARBON IN 2010

We continued to introduce measures to reduce our energy use during the year – see 4.0 Energy & Water use for details .

We continue to provide staff, prisoners and site sub contractors with environmental information through formal training and informal toolbox talks.

We continue to use video conferencing where possible for both staff external meetings as well as court video links for prisoners.

2011 should see the benefits of the Building Research Establishment Environmental assessment Method (B.R.E.E.A.M.) excellent rating which was achieved by our new house block taking effect on our carbon footprint.

4.0 ENERGY & WATER USE



During the year we continued to seek ways to reduce our energy and water use per prisoner place.

March 2010 saw the installation of “Voltage Optimisers” on site. They are designed to reduce our incoming voltage to the voltage we actually require to run the site. This project has resulted in our electric consumption being reduced by between 11- 12%. Unfortunately July saw the ramp up of the prison expansion programme which resulted in a dramatic rise in our KWH per prisoner place of 8.39%.

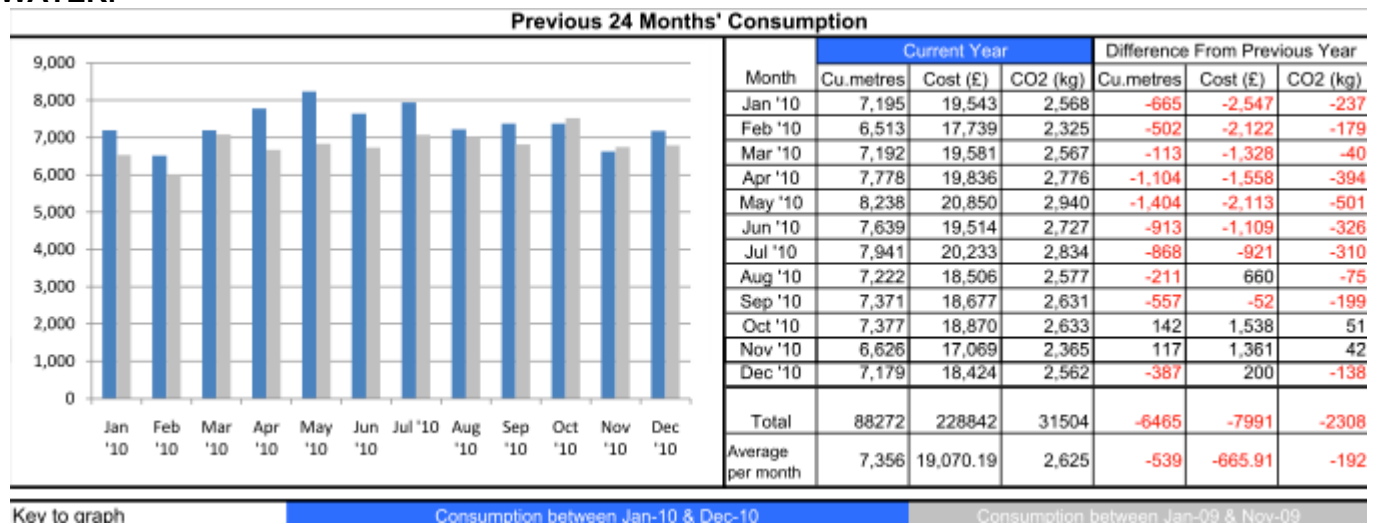
Other initiatives during 2010 which are scheduled to continue in 2011 included low energy lighting schemes as well as a sensor fitting programme for the sites stairwells.

When replacing plant and electrical appliances we have the necessary policies in place to ensure that whole life costs as well as energy efficient replacement is considered.

The new house block built under our expansion programme was awarded a “B” rating under the Energy Performance Certificate non domestic building scheme.

Both Water and Gas are monitored across site with 2010 data showing increases of 7.3% and 5.6% respectively. Prisoner population over the period as previously reported showed a decrease of 1.9%. Water usage data was effected by a leak in April / May and once again both water and gas were negatively effected by the ongoing expansion programme.

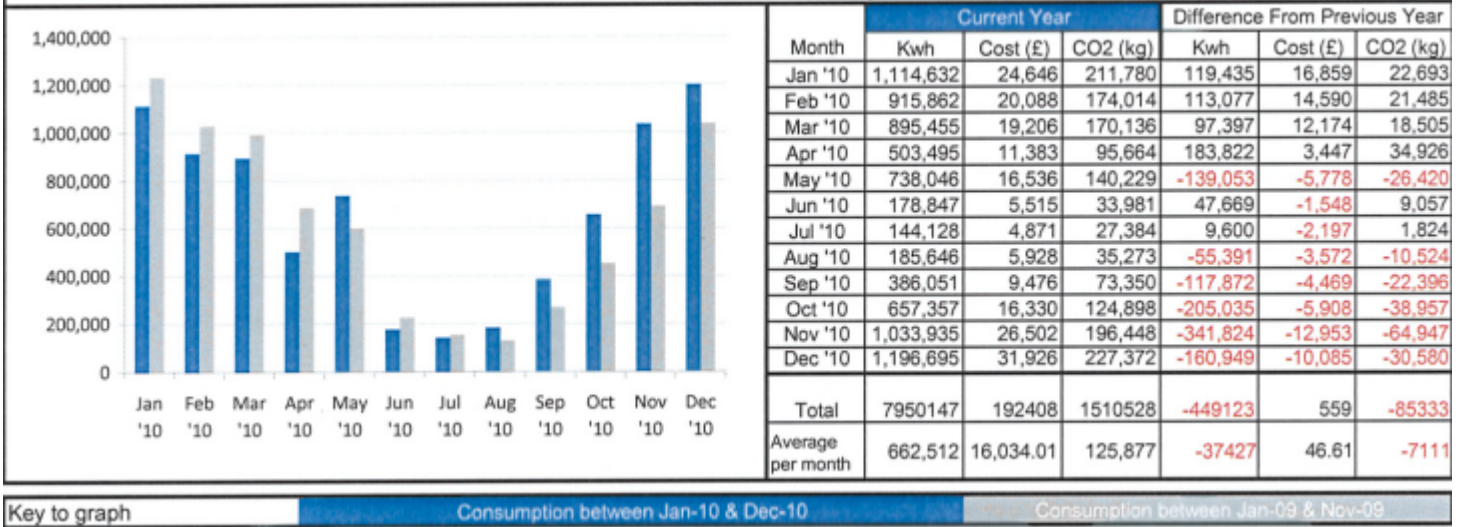
WATER:



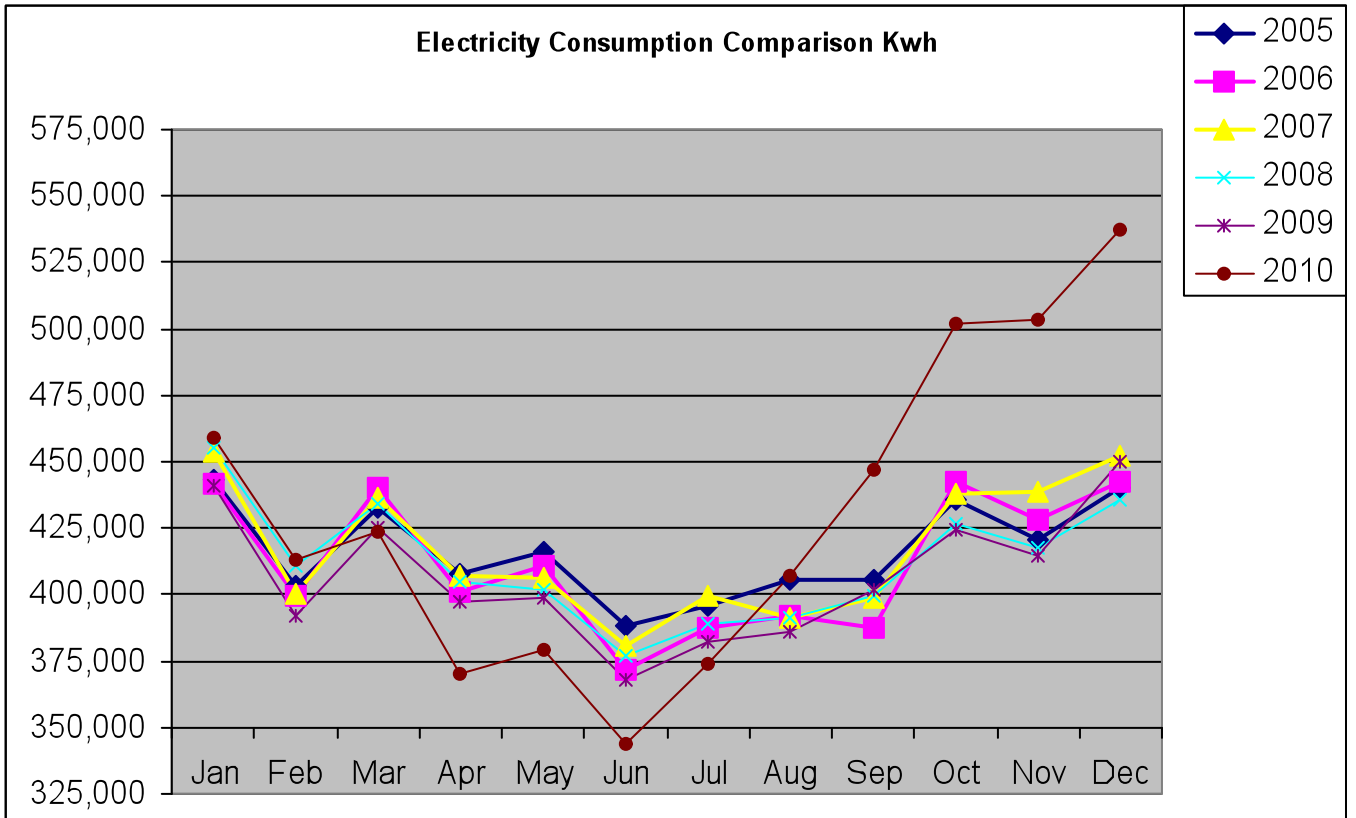
GAS



Previous 24 Months' Consumption



ELECTRIC:



Kwh Per Prisoner Place 2005	5,098.33	
Kwh Per Prisoner Place 2006	4,858.15	-4.71%
Kwh Per Prisoner Place 2007	4,541.17	-6.52%
Kwh Per Prisoner Place 2008	4,235.86	-6.72%
Kwh Per Prisoner Place 2009	4,181.66	-1.28%
Kwh Per Prisoner Place 2010	4,532.41	8.39%

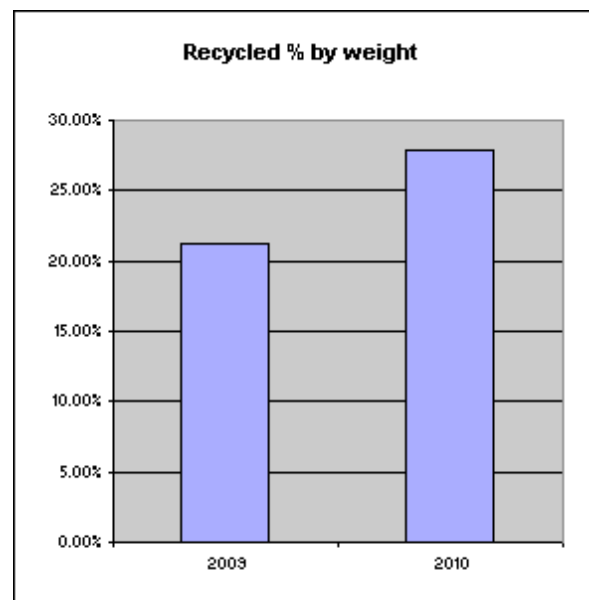
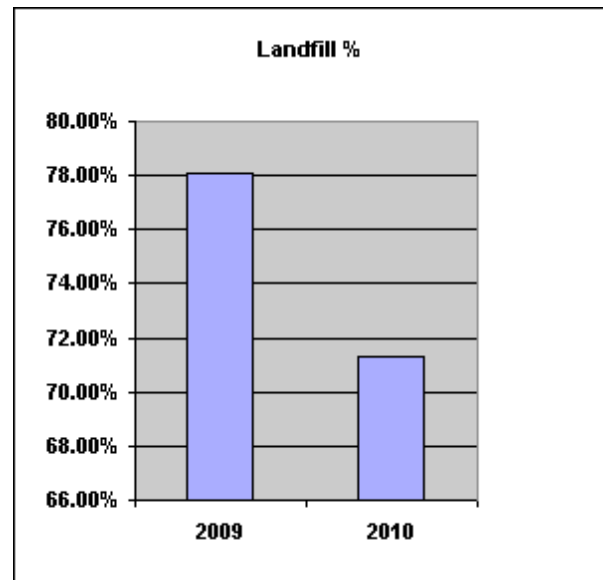


5.0 WASTE AND RECYCLING

We reduced the volume of waste produced on site between 2009 and 2010 from 572.65 tonnes (0.49 tonnes per prisoner place) to 511.5 tonnes (0.45 tonnes per prisoner place) a 12 month reduction of 10.68%.

Of the total waste produced 27.81% (142.25 tonnes) was recycled. Resulting in savings of £14k in disposal costs

	2009	2010
	Tonnes	Tonnes
Gen 26.8 ind Landfill	447.35	364.59
Gen 10.7 maint Landfill	0.00	0.00
Gen 6.1 maint Landfill	0.00	0.00
Card 26.8 ind Recycled *	0.00	0.00
Card 12.2 maint Recycled	48.50	60.15
Cartridges Recycled		
Cans Recycled	0.00	0.00
Clinical	2.86	3.39
Cooking oil Recycled	9.22	7.37
Copper scrap Recycled	0.00	0.00
Metal & WEEE Recycled	24.84	18.69
Paper Recycled (Includes C/W)	16.26	32.35
Photo waste Recycled		
Plastic Polythene Recycled	4.05	6.97
Sharps 7Ltr	0	0.00
Sharps 11Ltr	0	0.00
White spirit & Paint waste	0.73	1.26
Wood 10.7 ind Recycled	18.76	16.72
Flu Tubes Recycled	0.099	0.00
Non Linear Tubes Recycled		
Tin foil Recycled	0.00	0.00
Amalgum		
TOTALS	572.67	511.50
Recycled by weight	121.73	142.25
% by weight	21.26%	27.81%
Prisoner average	1161	1139
Prisoner average: +/-	-0.51%	-1.89%
Landfill total	447.35	364.59
Landfill %	78.12%	71.28%
TONNES PER PRISONER (avg)	0.49	0.45



One of our local radio stations, Bridge F.M. entered the Guinness book of records with a world record breaking line of drinks cans. We donated many of our cans to the project. Local charities also benefited from the sale of the cans as scrap metal after the event.



Funding has recently been provided to allow us to expand and improve our site based Waste Management Unit (W.M.U.). The provision of larger bailers and extra sorting tables will allow our three waste management supervisors and their teams of prisoners to greatly increase our recycling percentage as well as improving revenue streams. The resulting drop in waste to landfill will also produce savings in disposal and landfill tax costs.

6.0 USE OF TRANSPORT

The major environmental effect of motorised transport is its contribution to pollution – particularly of the air, but also of land and water. Some of the major pollutants generated by motor transport are carbon monoxide, benzene, lead oxides and particulates.

Here at HMP & YOI Parc we use a variation of transport methods during our business activities. These are:

- Fleet vehicles
- Hire vehicles
- Rail travel
- Taxis
- Coaches & Mini buses.

Controls are in place to ensure that our effect on the environment is minimised where possible.

These controls include:

- Monitoring emission levels
- Provision of cycle shelters
- Use of Video Link suites
- Use of mileage log books
- Approved drivers only
- Regular servicing of vehicles
- Provision of free bus for prisoners family members
- legislative compliance checks

7.0 ENVIRONMENTAL COMPLIANCE AND REPORTING

There were no reportable environmental incidents during 2010, no statutory environmental notices and no community complaints.

The National Security Inspectorate (N.S.I.) conducted environmental audits during the year to assess our compliance with our ISO 14001 (2004) Environmental Management System.

We held and documented our Top level Environmental Management Review which was attended by our Senior Management team.



8.0 ENVIRONMENTAL EDUCATION AND TRAINING

During the period August 2009 – July 2010 our National Vocational Qualifications (NVQ's) in recycling resulted in 50 prisoners signing up with 40 successfully completing their level 1 certificate.

During the same period 3 prisoners and 2 staff signed up for their level 2 certificate with a 100% success rate.

The current programme has 41 working towards level 1 and 2 staff and 7 prisoners working towards level 2.

All new staff receive basic environmental awareness training during their "Prison awareness " programme and refresher training during monthly training afternoon sessions.

Prisoners receive their basic environmental awareness training as part of their Induction programme.

Staff training is further enforced by the issue of monthly tool box talks covering various environmental related issues.



9.0 2010 ENVIRONMENTAL REPORT FEEDBACK FORM

To help us continually improve the quality of our report, please let us know what you think by circling the number which best represents your views.

- 4 - Excellent
- 3 - Good
- 2 - Fair
- 1 - Poor

How would you rate:

- | | | | | |
|--|---|---|---|---|
| • The environmental report | 4 | 3 | 2 | 1 |
| • Its thoroughness | 4 | 3 | 2 | 1 |
| • The design | 4 | 3 | 2 | 1 |
| • Style and clarity of the information | 4 | 3 | 2 | 1 |

How do you think we could improve the report and/or our environmental performance?

Any Additional Comments

Send your feedback by post to:

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