

# (Th)ink 2014

EMAS Environmental Statement for Generation Press.  
EU Eco-Management and Audit Scheme.





# EMAS Environmental Statement

John Early

For and on behalf of NQA.  
Verifier Ref. UK-V-0012

Signed:

.....  
20 November 2014

EMAS Scope: Provision of Print Production –  
Digital, Lithographic, Letterpress and Foil blocking.

NACE Code 18.1 (Since revised: 22.2)



# We Are Generation Press

If you think you're too small to have an impact, try going to bed with a mosquito.

Anita Roddick

Activist, entrepreneur and author.





#### Managing Director's Introduction

We are Generation Press.  
We make beautiful print.  
We believe in sustainable print.

Welcome to our second EMAS Environmental Statement. It only seems like yesterday that we were basking in the joys of achieving our first accreditation.

2014 is proving to be a monumental year for us here at Generation Press. Not only did we become the smallest of all the manufacturing based print businesses, and just one of 11 UK printers, to attain the demanding EU EMAS standard, but we were also finalists for Environmental Company of the Year and Bespoke Digital Printer of the Year at the prestigious PrintWeek Awards.

I know we're blowing our own piccolo trumpet here, but these are such triumphs for a company so small.

We (th)ink sustainability can take the form of beautiful print. Ethical contemplation, environmental navel-gazing, call it what you will. One thing is for sure: by examining our procedures, refining our methods and reducing our carbon footprint, we have discovered incredible ways to actually improve the quality of our work even further.

This revelation – a kind of green epiphany – reminds us every day that a successful business can be equally devoted to its environmental responsibility as it is to the excellence of its products.

Very early on we began sourcing vegetable-based inks and sustainable paper stocks for their superior quality. We quickly became Carbon Neutral, but we didn't want simply to buy a conscience, we wanted to earn it.

That was when the game got really serious, and our sustainability mission and quest for quality became fanatical.

The last few years have been a time of significant change for us. In 2011/12 we acquired an additional building and a new B2 Press. In 2013, we purchased a new chemical-free thermal closed loop plate processor, thus removing all developing chemicals from our

printing. We are now proud owners of a new Indigo Digital Press. And our beautiful solar panels recently enjoyed their first birthday.

So here we are again. EMAS Environmental Statement round two, and our commitment to quality print whilst simultaneously reducing our environmental impact remains paramount. Ambitious? You bet. Adventurous? Bring it on.

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Owner / Managing Director  
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# About Generation Press



#### About Generation Press

Collaboration, craft, commitment, don't just make it, make it better, family business, fourth generation, heart and soul, borderline obsessive, not even borderline, invent, reinvent, stay curious, listen, print with principles, make more from less, less waste, less cost, quality, quality, quality, EMAS certified, not impossible, just hard, dig into details, price it fairly, pride in each project, ideas into print.

Think about ink.

Founded in 1905, Generation Press is a small, family-run business with a great heritage and huge ambitions. We are obsessed with the craft and quality of print, and with achieving it in as clean, ethical and sustainable ways as possible. Simple.

Our obsession with quality comes from our love of excellent design and a respect for the creative community we're so proud to be a part of. We're all crazy perfectionists here, totally consumed with every minute detail of the creative process. We can't help it.

Despite being based on a rural farm in the beautiful Sussex countryside, we've always been at the forefront of the print industry.

We collaborate with some of the finest creative agencies and global brands. This puts us in a very unique position. Our colleagues not only rely on us to embrace the latest techniques and cutting edge technologies, but they also trust us to advise on the highest quality materials and stocks for each project.

By knowing the best suppliers, where and how they source their materials, and how far they've travelled, we're able to deliver world-class print solutions AND influence change by example in very practical ways.

Which is why we stay curious and inspired. We may be small, but it doesn't stop us aiming high, thinking big and caring beyond the here and now.

Four generations of thoughtful business. Great design, quality print, created to last.



## Activities & Services

We offer myriad creative print solutions. From business cards to fashion books, corporate and personal stationery to charity annual reports and accounts, art catalogues and distinctive invitations for the most private of functions right up to giant corporate events, we bring brands to life with tactile, beautifully designed communications that people can really engage with.

## Specialist activities:

- Graphic Limited Editions
- Fine Art Catalogues
- Photographic Books
- Coffee Table Books
- Luxury Stationery
- Business Stationery
- Creative Packaging
- Invitations

## Specialist services:

### Litho

Our core craft. Exploring. Fine-tuning. Investing. Combination of latest technology (e.g. closed-loop colour control) + human know-how (from experience). Very, very versatile. Fine art. Reports & accounts. Detailed work. Short / medium / long runs. Pride in every project.

### Digital

Adventure in technology. Good for short-run. Personalised. On-demand. Improving for quality & range. Invested in HP Indigo press in 2013. Seven-colour. Handles more stocks than ever. Dark materials. Clear materials. White ink. Takes human expertise. Digital is now a craft.

### Foiling

Hot metal fusing foil to stock. Silver. Gold. White. Coloured. In-house since 2005 on modified Heidelberg press. Hand-operated. Human craft. Stationery loves it. Business cards love it. Premium projects love it. We love it.

### Die-cutting

Precision incision. Any shape. Many materials. Also kiss-cutting. Where you cut a layer & leave base untouched. Peel-off stickers. Bespoke paper-over-board presentation box. 2mm-thick duplexed stocks. Heavy-duty grey boards. All in-house. Takes know-how to do it well.

### Letterpress

Old school. In our blood. Our first & second generations were letterpress compositors. Revived with love in 2009. Original craftsmen aimed to 'kiss' ink onto paper with no sign of indent. Now it's seen as part of the charm. Nice with opulent metallics. Bold fluorescents. Rich primary colours. Old + new.

### Colour-edging

The third dimension of print. Applying colour to the edge of a business card, invitation, book block. Spent years mastering it. Mixing the inks in-house. Metallics. Fluorescents. Colour gradients. One edge or many. GP speciality.

### Duplexing

Bonding sheets of paper / board together. Two or more. Triplex. Quadroplex. Pentaplex. Hexaplex. (Hexaplex = great word.) Most we've done is 6 sheets. So far. All about texture & heft. Layers of colour. Print geology.

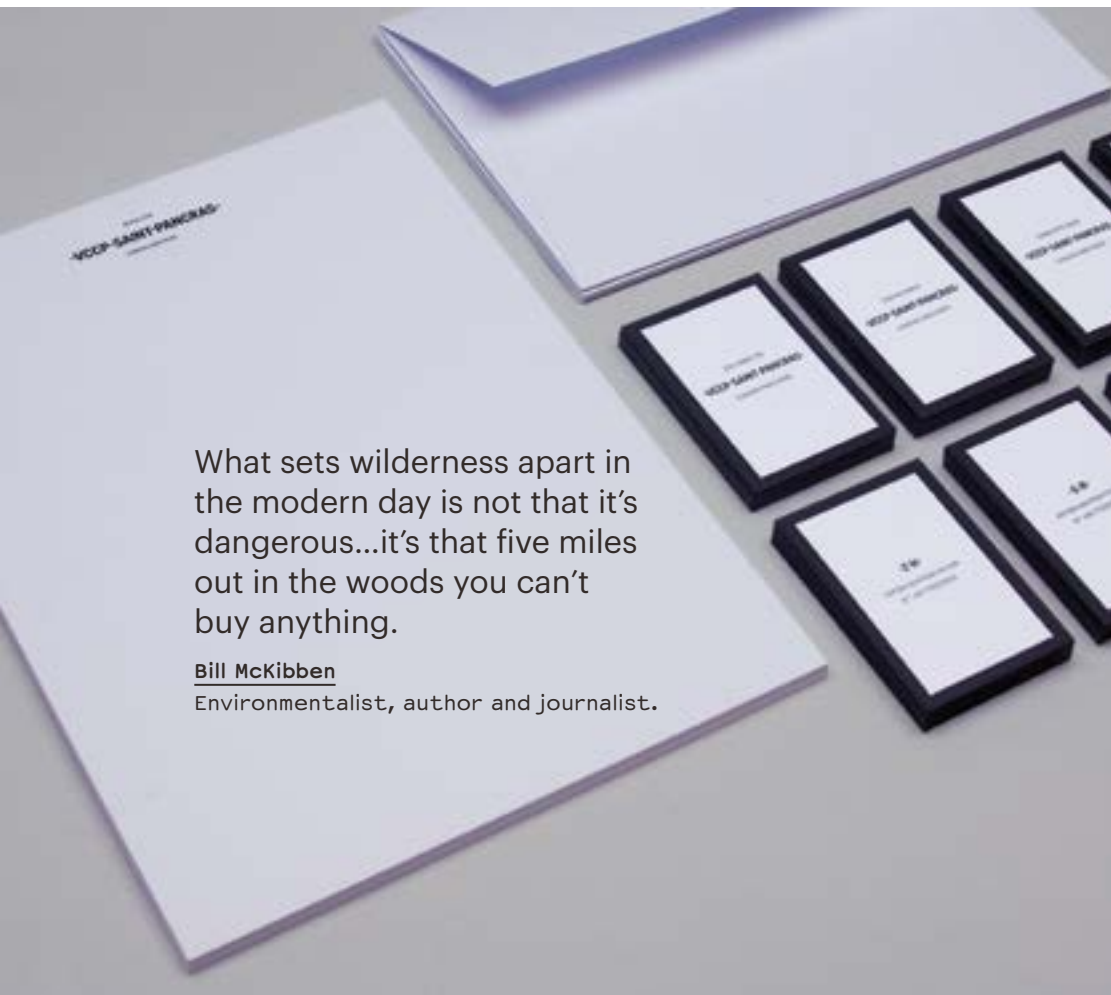
## Paul Hewitt

Owner / Managing Director  
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What sets wilderness apart in the modern day is not that it's dangerous...it's that five miles out in the woods you can't buy anything.

### Bill McKibben

Environmentalist, author and journalist.



# Green Paper

Environmental Policy





### Green Paper

We are Generation Press.  
We make beautiful print.  
We believe in sustainable print.

Scope: Provision of Print Production –  
Digital, Lithographic, Letterpress,  
Foil blocking.

We at Generation Press are printers through and through. Across four generations, great print runs through our veins. And we know sustainable print equals beautiful print. That making more from less is possible. Improving quality and reducing costs go hand-in-hand. Using renewable energy, FSC papers and less ink will never compromise the standard of our work. And being carbon neutral means exactly that. In other words, we are print progressives, or print optimists, if you like.

This Green Paper sets out where we stand in relation to the natural world. Part policy statement, part road map, part checklist, it provides us with a constant reminder of what our environmental and ethical responsibilities are, and that we have a shared commitment to meet them. It also shapes how we run our fantastic workplace.

### Duty of Care

#### We are EMAS

Eleven printers in the UK have managed it and we're the smallest. It was a proud day when we got the news in March 2014. It's not the certificate, but what it forces us to do. We had to examine every aspect of our business and fix even the tiniest things. No hiding place, just lots of lessons. It made us better printers. The EU Eco-Management and Audit Scheme is the most credible and robust environmental management system out there.

#### We are ISO14001

The most recognised environmental management standard in the world and a big deal in itself. For us, the stepping stone on the way to the even more demanding EMAS standard.

#### We are carbon neutral

We have been for many years. Our offsetting programme involves funding the Rio Ceramics Project in Pinheiral City, Brazil. The project replaces heavy oil with renewable biomass to generate energy at three ceramic brick factories, creating local jobs in the process.

#### We use FSC paper

The Forest Stewardship Council certificate is the best guarantee that a product comes from a well-managed forest – the only one to be recommended by Greenpeace. The criteria are to conserve biological diversity and ancient forests, protect indigenous groups and combat climate change. Our FSC® Chain of Custody number is FSC® SW-COC-005535 BB.

#### We use vegetable inks

They're better for the planet and they're better quality. We've been using them since the last millennium. We also use computer-to-plate technology that removes the need for toxic chemicals. Our B2 Press is super-efficient on ink and energy, which is partly why we chose it in 2011.

#### We use solar power

Our solar panels arrived in August 2013 and go a long way to powering two of our main presses. They also look beautiful, or handsome, depending which way your sun shines. In 2013/14, an average of 28% of our electricity came from solar and as much as 75% during the summer.

#### We use renewable energy

Aside from solar power, the rest of our energy comes from Ecotricity, the world's first green electricity company and still the most advanced. They invest more in creating renewable energy than all other UK suppliers put together. Like us, they're EMAS certified. We're on the 100% Green Energy tariff.

#### We re-use and recycle

We re-use and recycle all materials wherever possible. 98.5% of our waste is recycled and just 1.5% goes to landfill. Our business card boxes are made from 100% recycled card. All off-cuts and 'overs' become gorgeous notebooks. We donate our foils to a local Community Recycling Scheme. All our printing rags are collected, washed and re-used by a professional, certified company.

Our new packaging is Greenwrap – a sustainable replacement for oil-based plastic packaging materials. It's biodegradable, derived solely from certified, sustainably managed forests, and is 100% recyclable and compostable.

#### We plant trees

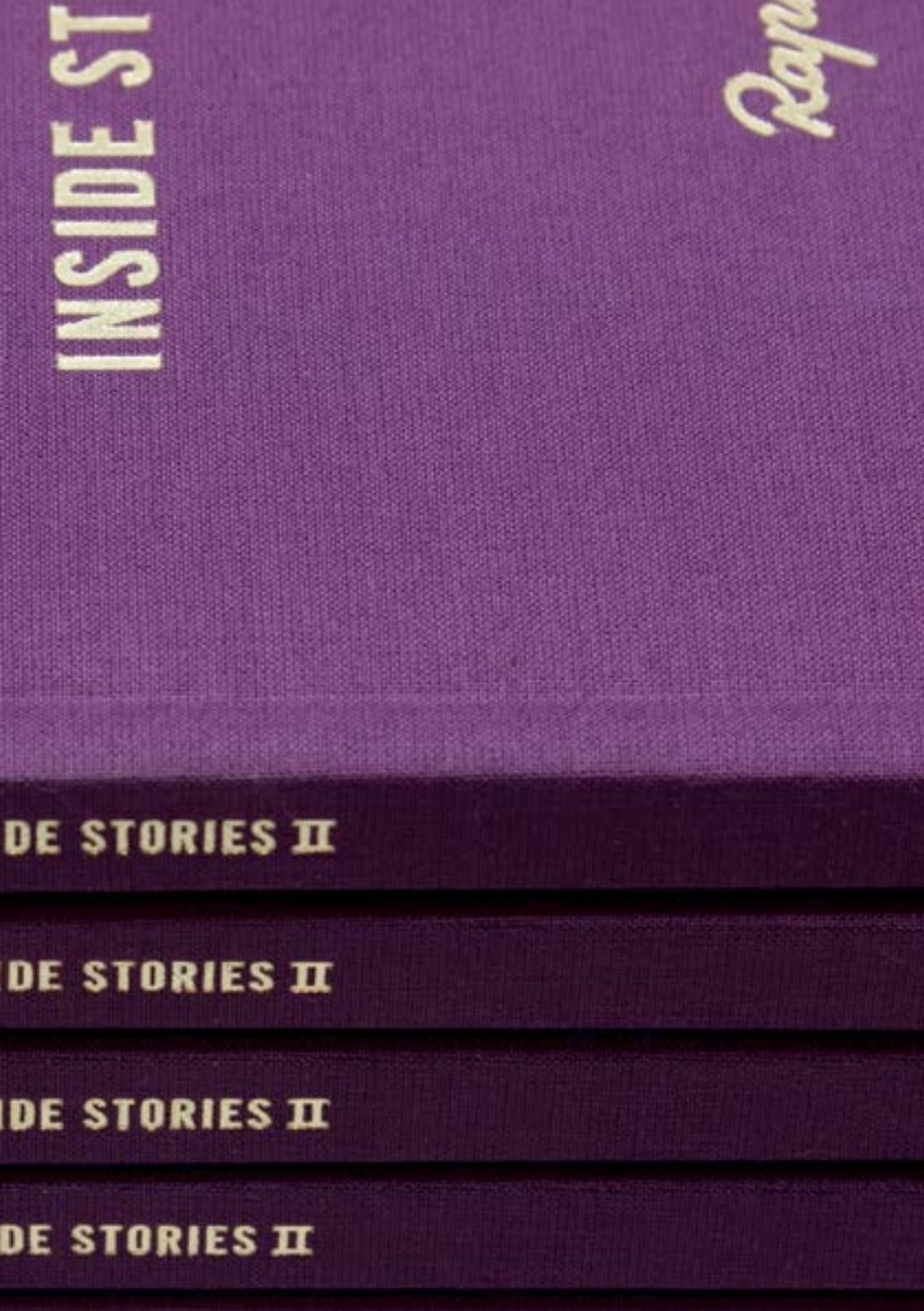
Alder. Beech. Broom. Crab apple. Dogwood. Gorse. Hazel. Juniper. Lime. Maple. Rowan. Scots pine. Spindle. Sweet chestnut. Walnut. Wild cherry. Wild pear. Wild plum. Wych elm. Yew. So far, we've funded the planting of 1,424 trees at The Crossing, a community tree-planting project on the outskirts of Forest Row on the West / East Sussex border.

#### We are digital

Advances in technology means our new Indigo Digital Press offers the sort of quality we've always wanted to achieve digitally.







We reduce waste

We have a commitment to continual improvement and prevention of pollution reinforced through EMAS and ISO14001. Where we cannot re-use or recycle, we dispose of our waste using the most responsible and safest methods available. All general waste is disposed of in accordance with the Environmental Protection (Duty-of-Care) Regulations 2003 and any waste IT is disposed of in line with the Waste Electrical and Electronic Equipment (WEEE) Regulations.

We switch off

We switch off all lights, monitors, computers, printers, kitchen and other equipment when not in use.

We buy ethically

We drink ethical tea and coffee, with fair trade, organic sugar and locally produced milk.

We ride bikes

In the beginning there was our Buy A Bike Scheme, open to any employee to purchase a bike via the company and pay off monthly. Then came the STRAVA (GPS tracking cycling app.) – the monthly Generation Press cycling competition which started in March 2014.

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We now actively encourage cycling to work and estimate that four employees regularly do so. Everyone here has agreed that, throughout the summer months, they will cycle to and from work on average 40% of the time. That works out at between 20 to 40 miles per day each, saving petrol and reducing pollution.

We use trains

We insist that all journeys to and from London are by train.

Nuts and bolts

Because we really believe in making print as sustainably as we can, we've integrated environmental management into all our business activities and provide a framework for setting, appraising and reviewing environmental objectives and targets set at management review. That means we can keep providing our customers with the highest quality print with as little impact on the planet as possible.

EMAS may keep us on our toes by ensuring we meet all the legal and regulatory requirements that apply directly to us, but we try to make all this stuff a way of life at Generation Press.

Paul Hewitt

Owner / Managing Director  
at Generation Press.

Signed:

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Actions speak louder than the printed word.

Someone at Generation Press

# (EMS) Environmental Management System





# (EMS)

Our EMS meets the standard of ISO14001 (approved for registration by NQA) and includes:

1. Environmental Policy (The Green Paper).
2. Environmental objectives and targets statement.
3. Scope statement.
4. Together with the primary elements of the EMS, within all associated procedures and related registers and documents.

We review all our activities to identify those that have an important or significant impact on the environment. Then we take action on how we can improve in those areas.

Throughout the year we monitor progress, and each year we review our targets to ensure we are improving our environmental performance. All members of the team at Generation Press are responsible for their part in meeting environmental performance targets.

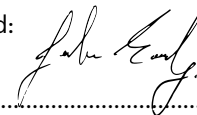
Zoe Hazelden, Sustainability Manager, is responsible for developing and running the environmental management system and internal audit systems, and producing an annual management review of environmental performance.

Paul Hewitt, Founder, acts as the main advocate for what the company believes in and for its environmental policies and practices.

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## Legal Requirements

Compliance makes all the difference. That is why EMAS is such a great environmental certification scheme. It not only leads the way in true environmental standards, but it also achieves what ISO does not – it is rooted in, and adheres to, all the relevant legal compliance.

Year-on-year, we will continue to identify where we are falling short and make improvements. A register is maintained, updated and controlled by our Environmental Management System.

No trade effluent is discharged from any of our sites. We don't actually need this consent. As we use so little solvent we do not need a Local Authority permit under Environmental Permitting Regulations.

We are also not required to register with the Environment Agency under the Producer Responsibility Obligations (Packaging Waste) Regulations 2010.

All applicable environmental legal requirements are completed via the 'Environmental Legislation's Register' (D 02.01).

# Legal Requirements

Don't blow it – good planets are hard to find.

[Time magazine](#)





# Results/1 2013/14 GP's Environmental Objectives, Targets & Programmes

## 1. Solid Waste Generation – Waste Reduction (Direct)

Aim: Reduce landfill waste by 1%.  
Result: 24%

Target 01. Create two new Generation Press products using off-cut and over-print waste paper. Produce a comprehensive list of paper stored at Generation Press. Highlight potential paper/old prints stored for projects.

Result: (1) We replaced plastic business card boxes with beautiful recycled board boxes. Savings for 2013: 1500 plastic business card boxes not purchased, thus avoiding 39 kilos of plastic going to landfill.

Result: (2) We created leather-bound notebooks at Christmas for our clients using off-cuts for the pages and printed indigo sheets for quality, with the offer of a free refill for the leather cover. We aim to reproduce these for the Generation Press shop.

Target 02. Research and design interface for new Generation Press shop.

Result: We have launched a new website which is step one towards our Generation Press shop.

Target 03. Identify four waste streams that can be removed from landfill: blanket rollers, duct foils, gloves and washer rolls. Research and identify potential licensed re-use and recycling partners.

Result: As of September 2012, all our blanket rollers, duct foils, and washer rolls are identified and recycled by our licensed re-use and recycling partners, and thus removed from landfill. This has resulted in a landfill reduction of 1062 litres and counting. The gloves were added on 18 March 2014 (Saxons) to go through the last level of recycling which is energy recovery through incineration.

Target 04. Review production processes including waste generation (ask partners) and storage.

Result: These are reviewed and recorded weekly and we have seen an 8.4% reduction in the paper we order, with an 11.9% increase in production using almost the same amount of ink.

Target 05. Waste – monitor bins to find a way to reduce further. Compare and monitor waste generated monthly against production. Provide clearer signs for all recycling.

Result: We now know exactly how full each bin is when it is collected rather than estimating, which has resulted in an accurate reduction of 8,360 litres. Clearer signs were printed on 14th May 2014 and are regularly replaced.

Target 06. Maintenance tanks and latex gloves.

Result: Removing more items from landfill has worked. We have also found a recycling system for the latex gloves, which is the last level for recycling of incineration. The maintenance tanks continue to prove difficult.



# Results/2 2013/14 GP's Environmental Objectives, Targets & Programmes

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## 2. Liquid Waste Generation – (Direct) Reduce using B2 and B3 Presses, and Indigo Digital Press

Aim: Reduce by 2%.

Result: A 20% increase in waste ink.\*

Target 01. Use B2 Press (which uses less ink for the same output) over the B3 Press. Use Indigo Digital Press.

Result: (1) We bought 1801 litres of ink this year and 1799 litres last year. Between 2011/12 and 2012/13, there has been an 11.8% increase in how many sheets are used per kilo of ink.

Target 02. Install a new storage/shelving system to monitor ink usage more efficiently.

Result: Our new storage/shelving system ensures we do not over order or over store ink, as it is only ordered when required. \*This has resulted in a 20% increase in this year's Liquid Waste Generation due to the clear out that occurred.

## 3. Energy Consumption (Electricity) – (Direct) Improve our energy efficiency

Aim: Reduce energy consumption by 2%.

Result: A 0.3% reduction.

Target 01. Reduce energy consumption and monitor switch-off campaign.

Result: We now set our computers to their own system energy savings. Regular reminders are sent out to all staff. We will monitor and ensure that we make savings.

Target 02. Light sensors for toilets x 2, kitchens x 2, plate room, tech room and Indigo Digital Press room.

Result: Sadly, we did not meet this target, as it was set before the decision to install a new Indigo Digital Press in July 2013. We aim to do this in 2015.

## 4. Carbon Dioxide Emissions – (Direct & Indirect) Reduce our electricity usage

Aim: Reduce electricity use by 1%.

Result: A 0.92% reduction.

Target 01. Solar panels feed directly into building 2, which now houses the B2 & B3 Presses, and dramatically reduces our need for external energy sources. We will monitor and after 12 months know how much of our energy will be self-generated.

Result: Generated an average of 28% of our own electricity annually.

Target 02. Research and source a carbon count for how many trees we plant per year on our tree initiative and include them in our final CO<sub>2</sub> totals.

Result: We planted 723 trees this year. 723 sapling trees x 26 pounds of CO<sub>2</sub> a year = 18,798 pounds of CO<sub>2</sub>.

## 5. Indirect Environmental Impacts Procured Goods and Services (Indirect)

Aim: 100% of all papers we purchase annually.

Result: 40% (approximately).

Target 01. Compile a list of bona fide ethical papers and suppliers.

Paul Hewitt

Owner / Managing Director  
at Generation Press.

Signed:



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# 2014/15 GP's Significant direct and indirect aspects & impacts

## GP's Significant Direct and Indirect Aspects & Impacts

### Significant Aspect 1. Liquid Waste Generation (Direct)

Using our waste management system, waste ink and plate chemicals are disposed of as hazardous waste in accordance with Hazardous Waste Regulations (2005, 2009). Waste ink is recycled and sent for further processing into industrial fuels as renewable energy. All water is extracted and cleaned and returned to the water cycle. We have already seen a reduction from 1,650 litres to 1,225 litres in our chemicals. We are looking forward to next year, when the removal of plate chemicals from our printing will positively impact our waste generation.

#### Potential Impact:

The recycling, re-use and safe disposal of waste creates CO<sub>2</sub> emissions. But, if you do re-use and recycle, you can significantly reduce the amount of waste going to landfill. Mismanagement of waste can give rise to air, land and water pollution by methane and other greenhouse gases. Even transporting waste produces emissions created by the vehicles. All waste must be treated with a 'Duty-of-Care'.

### Significant Aspect 2. Energy Consumption (Electricity) (Direct)

Generation Press does not use gas; our studio/office is heated by oil, which is safely banded in accordance with environmental legislation.

Most of the energy we consume is electricity. Which is why our focus on reducing our electricity usage, which accounts for 52% of our total carbon footprint – 34 tonnes (34 tCO<sub>2</sub>e) of the 65.1 tonnes (65.1 tCO<sub>2</sub>e) of CO<sub>2</sub> we emit – is so vital.

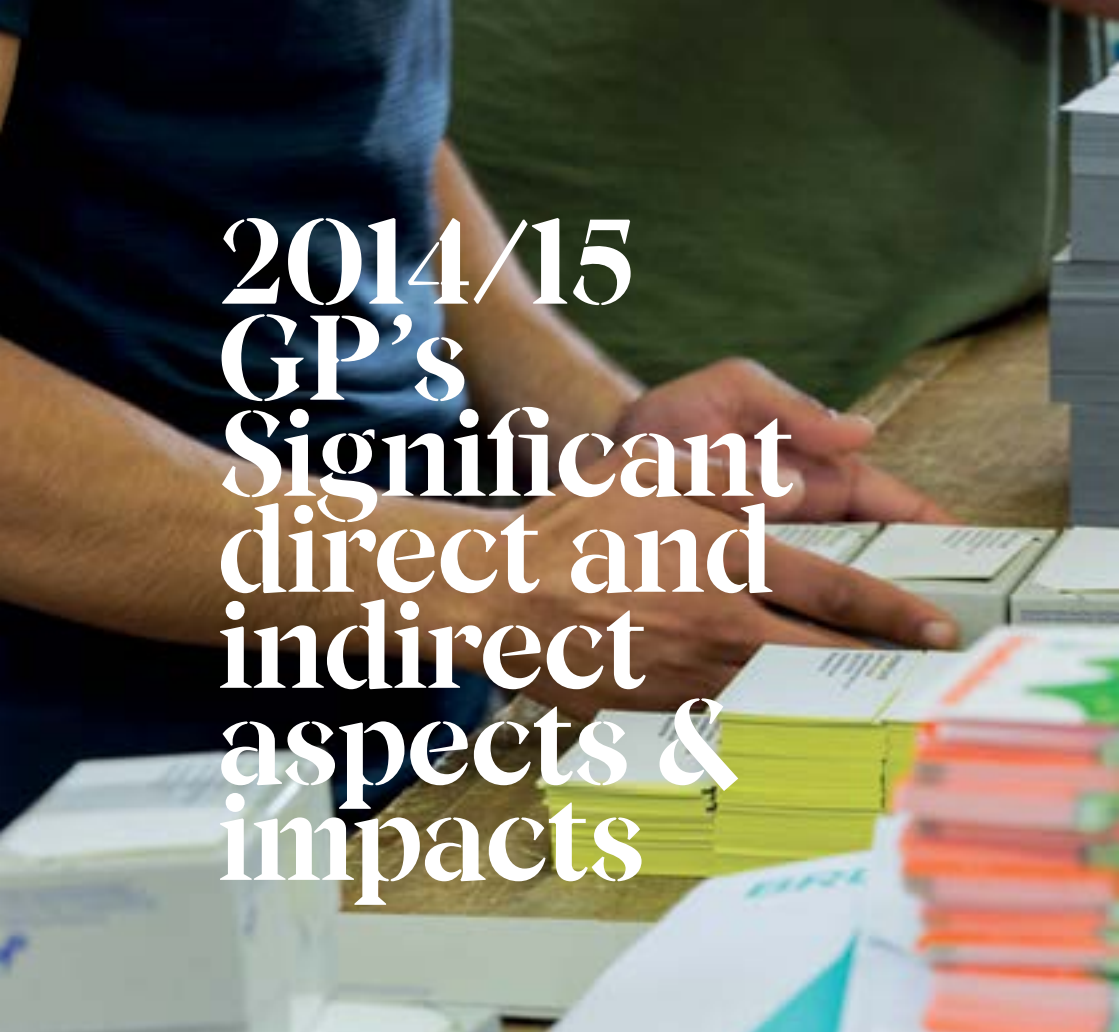
For many years Ecotricity has been our green supplier of choice because it invests in renewable energy sources. And since installing our own solar panels, we have been able to dramatically reduce our need for external energy sources. They provided 75% of our electricity in the summer of 2013 (25% Ecotricity) and 12% in the winter of 2013/14 (88% Ecotricity).

Weekly meter readings are taken and we are able to confirm that, in 2013/14, an annual average of 28% of our electricity was solar-powered. This year we have used 73% of the solar energy we produced. 27% of our solar energy is generated at weekends or when the presses do not run, and is sold back to the grid.

#### Potential Impact:

The generation and use of electricity creates greenhouse gases.

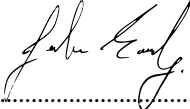




# 2014/15 GP's Significant direct and indirect aspects & impacts

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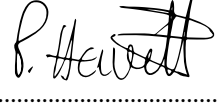
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### 3. Carbon Dioxide Emissions (Direct & Indirect)

The Generation Press Carbon Neutral result for 2012/13 is 65.1 tonnes of CO<sub>2</sub> (65.1 t CO<sub>2</sub>e), down from 65.7 tonnes of CO<sub>2</sub> (65.7 t CO<sub>2</sub>e) the previous year. It works out at the equivalent of 5.92 tonnes of CO<sub>2</sub> (5.92 tCO<sub>2</sub>e) for each employee. We recorded a decrease of 0.6 tonnes of CO<sub>2</sub> between the reporting periods of 2011/12 to 2012/13.

We think this is a pretty amazing result given that this has been another exciting year of growth at Generation Press. Again, we are managing to reduce our CO<sub>2</sub> by 0.92%, even with the new Indigo Digital Press being part of this year's environmental results, 2012/13.

#### Potential Impact:

CO<sub>2</sub> emissions relating to the overall operation of the company including business travel, power consumption, recycling, waste management, and logistics.

### 4. Indirect Environment Impacts Procured Goods and Services (Indirect)

First and foremost, our priority is paper and paper suppliers. So it made perfect sense that we begin to compile a comprehensive list of bona fide ethical papers and suppliers.

Although this project has proved much harder than we imagined, we have made a really good start by achieving approximately 40% thus far with our Recycled Top Papers List. It remains an on-going project that will enable us to confidently advise on and provide our clients with well-researched, ethical paper options that are the best quality for each job.

Our Top Papers List will not just be based on FSC or recycled credentials, but will also allow clients to trace their paper back to the mill from which it came and know how far their paper has had to travel.

This level of information will mean we can really shape our clients' views on ethical paper, opening up important dialogue and raising awareness. Just as the FSC and recycled content of papers change, so our list will continually evolve.

#### Potential Impact:

Environmental performance of suppliers. Global warming, energy loss, erosion of eco systems. Raising awareness.



### GP's Environmental Objectives Targets & Programmes

These are our long-term goals  
and fundamental beliefs:

- Quality print forever.
- Reduce energy consumption.
- Reduce CO<sub>2</sub> emissions.
- Zero waste: Zero to landfill.
- GP Shop: Use materials that would otherwise have to be recycled.
- Encourage behavioural change internally and externally.

These are different to our targets,  
which are refreshed annually to  
ensure we continue to improve,  
achieve and sustain our long-term  
objectives above.

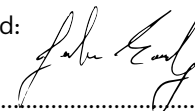


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## 1. Liquid Waste Generation (Direct) – Reduce using the B2 & B3 Presses & Indigo Digital Press

Target 01. Use B2 Press (which uses less ink for the same output) over the B3 Press. Use Indigo Digital Press.

Target 02. Reduce ink consumption per sheet by 3% compared to production. Continue to monitor ink usage: compile and compare all presses production to ink purchase.

Aim: Reduce by 1%.

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## 2. Energy Consumption (Direct) (Electricity) – Improve our energy efficiency

Target 01. Reduce energy consumption. Consistently remind staff of our switch-off campaign. Research and communicate to staff the savings that can be made.

Target 02. Look for an alternative to boiling the kettle in order to save time and avoid boiling unused water.

Aim: Reduce by 1%.

## 3. Carbon Dioxide Emissions (Direct & Indirect) – Reduce our CO<sub>2</sub>

Target 01. Research new ways to cut our CO<sub>2</sub> and implement them.

Target 02. Plant a minimum of 700 trees and record amount of CO<sub>2</sub> being saved. Include this in our EMAS results (add to D:03).

Aim: Reduce carbon dioxide emissions by 1%.

## 4. Indirect Environment Impacts Procured Goods and Services. (Indirect)

Target 01. Continue to build on our comprehensive list of bona fide ethical papers and suppliers. Communicate with all paper suppliers to help provide a solution to update this list.

Aim: 25% of all papers we purchase annually.

Target 02. Introduce new packaging incentive that is 100% recyclable.

Aim: Replace 100% of all polychips and bubble wrap.





# Summary Data On Performance

## GP's Key Environmental Performance

### 1. Paper Usage (significant aspect 4)

Environmental data	2010/11	2011/12	2012/13
<b>1. Paper</b>			
<b>Purchased (tonnes)</b>	—	107,817	99,488
<b>Sheets printed (B2&amp;B3)</b>	—	3,472,775	3,014,557
<b>Sheets printed (Foiling)</b>	—	647,443	732,939
<b>Sheets printed (Indigo)</b>	—	—	863,257
<b>Total Sheets</b>	—	4,120,218	4,610,753
<b>Ink Purchased (Kilos)</b>	—	1,799	1,801
<b>Sheets Printed per Kilo of ink</b>	—	2,290	2,560
<b>2. CO<sub>2</sub> Emissions (tCO<sub>2</sub>e)</b>	48.7	65.7	65.1
<b>3. Energy Usage</b>			
<b>Electricity (100% renewable) (kWh)</b>	47,326	69,589	69,395
<b>Fuel (Litres)</b>	2,901	3,550	4,722
<b>4. Waste Product (tonnes)</b>	30.85	38.73	33.89
<b>5. Water (m3)</b>	342.18	342.18	342.18
<b>6. Environmental Complaints</b>	0	0	0

Increase in production 2011/12 and 2012/13: 11.9%.

Paper purchased from 2011/12 and 2012/13: 8.4% decrease.

Ink purchased from 2011/12 and 2012/13: only 0.1% increase.

2011/12 and 2012/13 between ink purchased and sheets printed per kilo of ink: 11.8% increase in number of sheets printed per kilo of ink.

### 2. CO<sub>2</sub> Emissions GHG (significant aspect 3)

CO <sub>2</sub> Emissions GHG	2010/11	2011/12	2012/13
<b>Electricity (tCO<sub>2</sub>e)</b>	23	33.6	30.9
<b>Fuel Oil (tCO<sub>2</sub>e)</b>	8.8	10.7	15
<b>Landfill Waste (tCO<sub>2</sub>e)</b>	0.5	0.28	0.23
<b>Premises Total (tCO<sub>2</sub>e)</b>	34	47.2	48.8
<b>Business Travel (tCO<sub>2</sub>e)</b>	6.2	7.21	6.83
<b>Transport (tCO<sub>2</sub>e)</b>	8.3	11.28	9.46
<b>Total (tCO<sub>2</sub>e)</b>	48.7	65.7	65.1
<b>Staff (tCO<sub>2</sub>e)</b>	11	11	11
<b>Key Performance Indicators (KPI)</b> tCO <sub>2</sub> e = per full time equivalent employees	4.87	5.97	5.92

October 2012 – 2013

0.92% decrease despite the installation of our Indigo Press in July.

October 2011 – 2012

35% increase (17 tonnes) due to additional new building (including printing press in July 2011)

2011/12 New B2 Press & Building Two: first complete reporting year.

October 2010 – 2011

16% decrease from previous reporting year.

2010/11 New B2 Press & Building Two: 3 months only (July/Aug/Sept 2011)

October 2009 – 2010

8% decrease from previous reporting year.



### 3. Energy Usage (100% Renewable) (significant aspect 2)

Energy Usage	2010/11	2011/12	2012/13
Electricity MWh	47.4 MWh	69.6 MWh	69.4 MWh

2012/13 New Indigo Press & Building One & Solar Panels.  
2011/12 New B2 Press & Building Two: first complete reporting year.  
2010/11 New B2 Press & building Two: 3 months only (July/Aug/Sept)

### 4. Waste (significant aspect 1)

This is a breakdown of our waste and recycling.

Waste	2010/11	2011/12	2012/13
General Printed Waste	20.62 tonnes (20,062 kg)	23.37 tonnes (23,369 kg)	14.56 tonnes (14,560 kg)
Mill Dyed Paper	4.42 tonnes (4,420 kg)	5.24 tonnes (5,241 kg)	7.02 tonnes (7,020 kg)
Wax Wrappers	0.30 tonnes (297 kg)	0.22 tonnes (220 kg)	0.62 tonnes (624 kg)
Cardboard	0.32 tonnes (315 kg)	0.11 tonnes (112 kg)	1.56 tonnes (1560 kg)
Polywrap	0.28 tonnes 280 kg	0.06 tonnes (58 kg)	0.05 tonnes (52 kg)
DMR Recycling	3.22 tonnes (3,216 kg)	7.32 tonnes (7,323 kg)	5.46 tonnes (5,456 kg)

Waste	2010/11	2011/12	2012/13
General Landfill	0.71 tonnes (707 kg)	0.62 tonnes (624 kg)	0.50 tonnes (504 kg)
Hazardous Liquid	0.55 tonnes (1,130 Litres)	0.81 tonnes (1,650 Litres)	1.98 tonnes (1,982 Litres)
Hazardous Solid	0.32 tonnes (320 kg)	0.24 tonnes (240 kg)	2.29 tonnes (2,292 kg)
Non-Hazardous Waste	0.11 tonnes (110kg)	0.79 tonnes (787kg)	1.23 tonnes (1,230 kg)
Total Waste	30.85 tonnes	38.78 tonnes	33.89 tonnes
Recycling Rate	97.7%	98.4%	98.5%

2012/13 New Indigo Press & Building One & Solar Panels.  
2011/12 New B2 Press & Building Two: first complete reporting year.  
2010/11 New B2 Press & Building Two: 3 months only (July/Aug/Sept 2011)

### 5. Water

This is an estimated usage of water. 306.16 Gallons per day / 1.391 m<sup>3</sup> per day x 246 working days per year. Our water is on a shared meter with Manor Farm. Most of our water usage comes from sanitary provisions in our office, barn and new building. All water is discharged to a public sewer. Our water usage is minimal.

### 6. Environmental Complaints

There have been no environmental complaints.

## Core Indicators

	A Total annual input / impact	B Persons	R Ratio of A to B
<b>Energy Efficiency</b>	69.395 Mwh	11 staff	6.31
<b>Electric (100% Green Tariff) Fuel (Heating Oil)</b>	55.200 Mwh		5.01
<b>Material Efficiency (Paper purchased)</b>	99.488 tonnes	11 staff	9.04
<b>Water</b>	342 m <sup>3</sup>	11 staff	31.09
<b>Waste</b>			
<b>General</b>	31 tonnes	11 staff	2.81
<b>Hazardous</b>	2.89 tonnes		0.26
<b>Biodiversity all sites Manor Farm, Poynings</b>	338.4 m <sup>2</sup>	11 staff	30.76
<b>Emissions</b>			
<b>Annual GHG</b>	65.1 tonnes	11 staff	5.92
<b>Annual Gaseous</b>	2.15 tonnes	11 staff	0.19

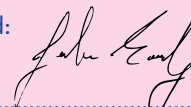
## Annual (GHG) Greenhouse Gases 2012/13

CO <sub>2</sub>	Tonnes	Conversion GWP @ 100 years	Tonnes
<b>CO<sub>2</sub> – Carbon Dioxide</b>	64.5	1	64.5
<b>CH<sub>4</sub> – Methane</b>	0.0113	25	0.281
<b>N<sub>2</sub>O – Nitrous Oxide</b>	0.00121	298	0.361
<b>HFC – Hydrofluorocarbons</b>	0	14,800	0
<b>PFC – Perfluorocarbons</b>	0	1,430	0
<b>SF<sub>6</sub> – Sulphur Hexafluoride</b>	0	22,800	0
<b>Annual Gaseous</b>			
<b>SO<sub>2</sub> – Sulphur Dioxide</b>			2.15
<b>NO<sub>x</sub> – Oxides of Nitrogen</b>			0
<b>PM – Particulate Matter</b>			0

John Early

For and on behalf of NQA.  
Verifier Ref. UK-V-0012

Signed:



.....  
20 November 2014

Paul Hewitt

Owner / Managing Director  
at Generation Press.

Signed:



.....  
20 November 2014



## GP's Feedback & Contact

### Address:

Generation Press  
Manor Farm Business Centre  
Poynings  
Brighton  
East Sussex  
BN45 7AG

### Contact:

[zoe@generationpress.co.uk](mailto:zoe@generationpress.co.uk)  
[paul@generationpress.co.uk](mailto:paul@generationpress.co.uk)

Contact Paul Hewitt (A.K.A. Scrub) if you fancy an impassioned rant about absolutely anything Generation Press, print, colour – or bikes. Yes really, bikes or bikes and bike components, or bikes and bike clothing, or just bikes.

For a non-green sandals, nuts and bolts rant about anything green, politics, ideas, films, or even a moan about the weather, you can contact our Sustainability Manager (A.K.A. Eco Warrior), Zoë Hazelden, if you have any questions at all. Anything. Really. Our phone number is 01273 857449; or use the emails above.

The Environmental Statement is an annual reporting process with the next Statement due in November 2015.

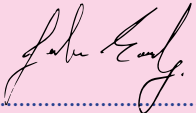
### Environmental verifier

### EMAS declaration

This is our second environmental Statement and it has been verified as a true record of the environmental performance of Generation Press Ltd.  
A new Statement will be produced by November 2015.

### John Early

For and on behalf of NQA.  
Verifier Ref. UK-V-0012

Signed:   
.....  
20 November 2014



## Print Specification

### Cover

Stock: Colorset Indigo, 270 gsm

Print: One Colour, Digital White

### End Sheet

Stock: Colorset Light Grey, 120 gsm

### Inner Pages

Stock: Carona Offset, 120 gsm

Print: Lithography CMYK + PMS GP Indigo™

### Inner Section

Stock: Colorset Pink Ice, 120 gsm

Print: Lithography, CMYK + PMS GP Indigo™

### End Sheet

Stock: Colorset Light Grey, 120 gsm

Print: Lithography, One Colour PMS GP Indigo™

### Generation Press

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