

# (Th)ink

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



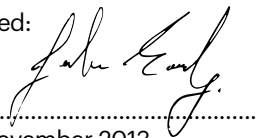


# EMAS Environmental Statement

John Early

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

Signed:



.....  
01 November 2013

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

NACE Code 18.1

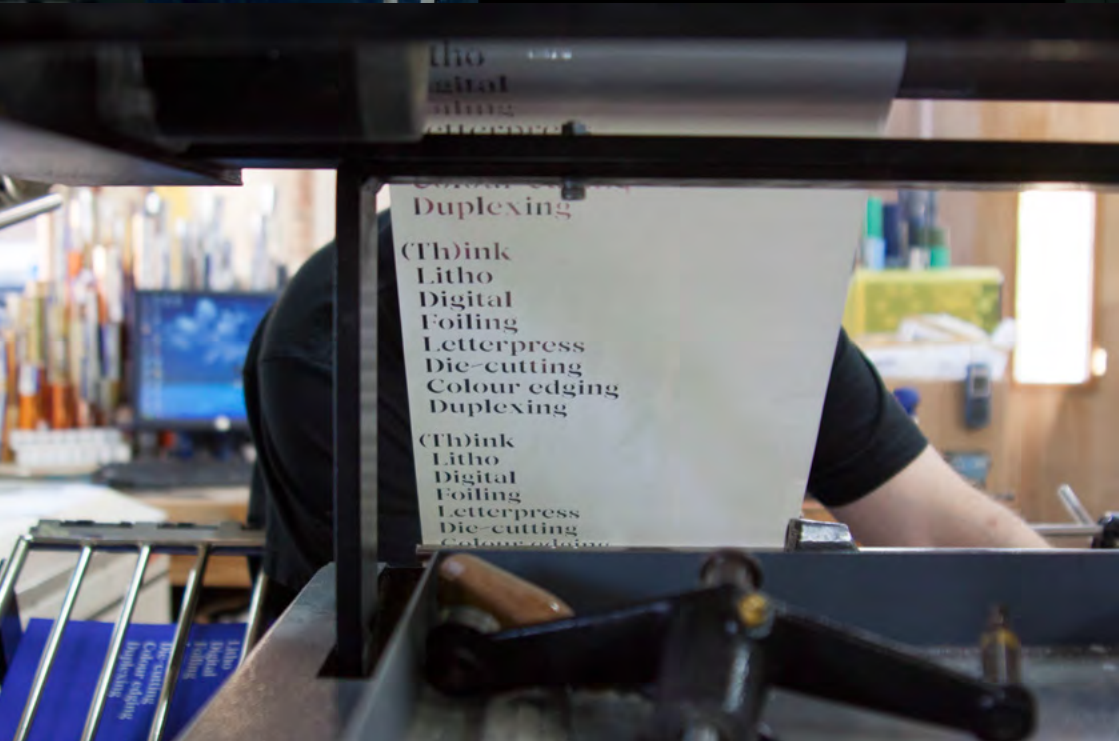


# We Are Generation Press

"I am at two with nature."

Woody Allen  
Filmmaker





## Managing Director's Introduction

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

It was some brainy Greek who once said, "Adventure is worthwhile".

Well, without wanting to be too worthy, Generation Press has been on a bit of an adventure for some years now. We embarked on this fascinating escapade, following our gut feelings and our beliefs about the environment and our shared responsibility to take good care of it.

When we started out, we genuinely believed that words like 'sustainable', 'green', 'eco' and 'environmental' were used, and sometimes abused, by many companies to try to convince us that they were doing right by our planet. That if they had an 'environmental policy', or were certified 'ISO' or paid to become 'Carbon Neutral', that was all they needed to do, rather than truly committing to taking full responsibility for their impact on the environment.

At first we felt we really didn't need to get involved in all that. There was no point in simply complying with a range of certifications to prove ourselves. We knew we cared and behaved accordingly.

But then we decided to get over ourselves.

And we thought maybe, just maybe, we should start communicating our values and the very real principles we stand by. But to do so we first needed to be certain that our own house was in order – sustainable, in other words.

It was an enormous challenge for us to navigate through this new and endless maze, trying to separate the green from the greenwash.

So we conducted some rigorous research into which certifications were truly authentic and effective, and then we were able to take stock and assess if what we were doing naturally was actually making any difference at all.

It turned out that we seemed to be going in the right direction. But there was still much work to be done.

We discovered that we are not perfect – and yet nor are the certifications.

We knew that we should be constantly striving towards achieving better environmental standards in all areas of print.

We understood that being open and honest about what we do well and what we need to improve is fundamental to our quest in achieving sustainability and reducing our ecological footprint.

And we realised that, out of all the various certifications out there, the Eco-Management and Audit Scheme (EMAS) was the most testing – it simply doesn't allow you to hide from the things you may be doing wrong.

Things have changed dramatically at Generation Press, based here on the edge of the South Downs in the middle of a working farm.





In 2011/12 we acquired an additional building and a new B2 Press. This year (2013), we purchased a new chemical-free thermal closed loop plate processor, and we are now the proud owners of a gorgeous new Indigo Digital Press, shuffling everything around to fit it all in.

As of August 2013 we now have our very own solar panels to feed electricity directly into our new building where the B2 and B3 Presses are now housed.

We hope we can get most of our electricity from these, with the remainder provided by Ecotricity – in our view, by far the most advanced green energy company. In 12 months we will know precisely what percentage of electricity can be generated from the panels.

So here we are. The result of, and reward for, all this work comes in the form of our first ever EMAS certification!

Let me introduce you to our first EMAS Report with a very warm welcome.

We know this is a cliché but, like all clichés, it contains a real nugget of truth. EMAS is not a destination, it's a trek up one of those long, convoluted roads – annoyingly frustrating and exciting at the same time, the kind of journey that constantly changes direction when you least expect it. EMAS is the most credible environmental management system out there. It goes much further than the ISO14001, although, before a company can be audited for EMAS, it must first be audited for ISO14001. That's just one of the many quirks we've encountered on this 'eco' journey, and one that we were prepared to accept because we believe in EMAS enough.

We are now part of an exclusive, almost secret, club. In fact it's such a secret that we feel compelled to broadcast the fact that we are members from the top of the tallest possible building – and then on tiptoes.

Because we will be only the 10th EMAS-certified printer in the UK, and one of just 98 leading environmental printers in Europe to have achieved this hallmark. With only around 4,000 organisations registered to EMAS worldwide, we feel rather exclusive. We are really chuffed to have finally got here.

Paul Hewitt

Owner / Managing Director  
at Generation Press.

Signed:

01 November 2013

However, we know that 'here' is merely base camp. The ascent so far has been pretty tough going. But after breakfast we are about to start climbing Everest. We were already doing so much before EMAS. Now we must, and will, do much, much more.


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A photograph of two men in a print shop. The man on the left, wearing a grey long-sleeved shirt and dark trousers, is operating a Komori press. The man on the right, wearing a blue t-shirt, is smiling and looking towards the camera. The background shows various printing equipment, including a large wooden pallet rack and a poster on the wall. The text 'About Generation Press' is overlaid in a white serif font.

# About Generation Press



In the beginning there were four generations of printers. We have been around since 1905. Great print runs through our veins. Our founding mission is to create the best quality print. And do it in as clean, ethical and sustainable way as possible. Simple.

From art print and look books to address labels and travel brochures, each project we take on is treated with individual care and attention. Even jobs we could do with our eyes closed, we respectfully look at very carefully. We always ask questions and we often advise. We never start without knowing exactly what our customers want, and we always aim for the highest possible standards. For us, it's all in a day's work. But it's not just about sending great looking work out the door.

We care what happened before the job came to us, while it's in our hands, and what happens next.

That means we source everything extremely carefully. Typically this means using FSC certified and recycled products.

And it also extends to the electricity we use, which is 100% renewable, the coffee we drink, which goes beyond fair trade, and even the milk that goes into it, which of course is local. Organic seasonal fruit is delivered each week for all of us to munch on. Wherever possible, we will re-use, recycle, reduce, repair or remake – all those 'R' words! That applies to 98% of all our waste. A little less than 2% goes to landfill.

And by the end of July 2013, we will have planted 701 trees since we began our local tree-planting initiative in November 2011.

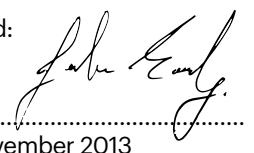
Working in such an environmentally responsible way informs everything we do and every decision we take. It's not just about compliance. It's always been our way of doing things. We are both modern and old. Our 21st century Heidelberg Presses are housed in our 16th century Grade 1 listed barn on a working farm in the middle of rural Sussex. Sheep and trees surround us and it's a mix we love. The view outside our window is a constant reminder of why we think beyond the here and now.

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

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## Activities & Services

We have a big lithographic B2 printing press and a slightly smaller B3 press, both with Heidelberg platters for foiling and letterpress, and a new Indigo Digital Press. Here at GP we do die-cutting, colour edge, riveting, sewing, bespoke binding, ram punching, duplexing, triplexing and quadruplexing.

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

## Specialist Activities:

- Bespoke Limited Editions.
- Photographic Books.
- Bespoke Stationery Sets.
- Invitations.
- Business Cards.
- Fine Art Posters.
- Luxury Print.
- Creative Packaging.



## Paul Hewitt

Owner / Managing Director  
at Generation Press.

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01 November 2013

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“No company can be environmentally friendly,  
but what we can do is clean up our own mess.  
We can be environmentally responsible.”

Anita Roddick

Activist, entrepreneur and author.



# Green Paper



Our environmental policy version 011113

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

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

We're well on the road to becoming  
a sustainable business – but we're  
not there yet.

We could talk to you about making  
beautiful print in sustainable ways till  
the cows come home – in our case  
quite literally. But we're clear that what  
we actually do is far more important  
than what we say. Here's how we are  
trying to make our business more  
sustainable in real and practical ways.

When you boil it down, our ambition  
is pretty straightforward.

We want to provide the best quality  
print in our industry in the most  
responsible way possible.

We're a thoughtful company. We try  
to keep an open mind and we're not  
afraid to admit that, when it comes to  
being more sustainable, the answers  
don't always come easily.

So our approach is to keep asking  
questions – and to keep testing new  
ideas on how to avoid pollution,  
minimise waste and manage our other  
impacts, whenever and wherever  
possible. We've created the GP Green  
Paper to help us on the way.

Part policy statement, part road map,  
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.  
The Green Paper sets out where we  
stand in relation to the natural world.  
It also shapes how we run our own  
fantastic workplace, set in a working  
farm on the edge of the South Downs.

The Green Paper sits alongside our  
'Green Studio Guide', which is all about  
making Manor House Barn a healthy,  
safe and pleasant place for the people  
at GP to work in. Aiming to be as  
sustainable as possible provides  
immediate benefits all round. It's good  
for us, good for the environment,  
and good for business.

And, longer term, it will also help  
create a safer and fairer environment  
for future generations.

We believe that's a goal worth chasing.







### Duty of Care

We are a carbon neutral company and certified by the Forest Stewardship Council (FSC® C007915 supplier). Our FSC® Chain of Custody number is FSC® SW-COC-005535 BB. Such measures are still voluntary in the printing industry, although we think they should be mandatory.

We use FSC and recycled products from reliable sources because, as printers, we have a clear duty of care to the world and its forests and, anyway, we believe this is just the right way to do business.

We can proudly announce we are now EMAS certified (Eco-Management Audit Scheme), the most rigorous of all the environmental management standards. That has put us amongst just a small handful of UK printers accredited to the scheme.

EMAS will ensure we meet all the legal and regulatory requirements that apply directly to us.

But we also try to spread that message to customers, helping and persuading them to choose high quality, eco-friendly print solutions. For example, we always encourage them to opt for efficient page sizes so that we can use as much of the press sheet as possible, with minimum waste.

And our commitment goes beyond simply using recycled and sustainable materials. We actively choose, whenever we can, to work with suppliers who are, themselves, independently certified by respected environmental and social organisations.

### The 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.

### Printing

We're aiming to be totally accountable for our environmental impact – from print to delivery. We use renewable resources wherever possible and are always on the look out for other opportunities to boost our sustainability.

We're never satisfied with just complying with laws and regulations. For instance, although we are already FSC-certified and carbon neutral, we still want to reduce our carbon footprint further.

### Inks and Presses

Our environmental initiatives date back quite a few years now. We've been using vegetable-based inks since 1999, started using 'Computer to Plate' technology – which avoids the use of toxic chemicals – in 2009 and, in 2011, we began running our B2 Press, which uses significantly less ink and energy.

This year we've invested in a new Indigo Digital Press and a chemical-free thermal closed loop plate processor. Recent advances in technology mean that these machines are now offering the sort of quality we always want to achieve.

We've set a target to cut our ink waste by 2% year-on-year. Sometimes small details make a big difference. For instance, we can cut our air emissions simply by putting lids back on tins.

**"You are not Atlas carrying the world on your shoulder. It is good to remember that the planet is carrying you."**

**Vandana Shiva**

Physicist, philosopher, environmental activist and author.

## Power

As of July 2013, we have fitted solar panels, which should go a long way to powering two of our main presses. The energy produced feeds directly into our press room building. After one year we will be able to tell you the percentage of power we gain directly from the solar power energy. The rest of our energy is supplied by Ecotricity – the world's first 100% Green Electricity Company, which is dedicated to changing the way power is produced by harnessing the wind, sun and water to generate electricity. What's more, it is the only green electricity company actually building new renewable energy capacity.

For our own part, we're always trying to minimise our use of energy, even as we grow as a business, and we're trying to make sure the 16th century barn where we work is as energy-efficient as it can be.

## Recycling and Waste Management

Waste reduction is another priority. We have a commitment to continual improvement and prevention of pollution reinforced through EMAS and ISO14001. We recycle all materials wherever possible. 98% of our waste is recycled and just 2% goes to landfill. And we are working towards reducing this to zero.

We continually look for better ways to manage waste and to re-use and recycle materials. We're planning to launch a GP Shop that will sell GP notebooks and other bits of stationery made from off-cut card, and any 'overs' from print runs. And all our foils are donated to a local Community Recycling Scheme for re-use.

We're always reviewing the design of our packaging such as our new business card boxes launched earlier this year and our new bespoke business card wallets, which will be available very soon. We also recycle the packaging that vendors send to us.

Where we cannot re-use or recycle, we dispose of our waste using the most responsible and safest methods available.

## Other ways to be green

Through our Eco Programme we're trying to make all of this a way of life at GP.

## For instance, we:

- Turn off unused lights, monitors, kitchen and other equipment.
- Use energy-efficient light bulbs.
- Drink ethical tea and coffee, with fair trade organic sugar and locally-produced milk.
- Encourage local food purchases.
- Insist that all journeys to London are by train.
- Promote cycling by being part of a Cycle Purchasing Scheme and encourage travel-sharing wherever possible.



## Tree Initiative

We support a local tree-planting initiative, which is creating local community woodland. We rely on trees for our livelihoods, so it makes good business sense to replenish woodlands. And we all rely on forests to absorb carbon. We support schemes like this, not because we have to, but because we want to.

Paul Hewitt

Owner / Managing Director  
at Generation Press.

Signed:

01 November 2013

John Early

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# (EMS) Environmental Management System



We have always believed in doing things the right way – a way that allows us to continue creating beautiful, high quality print without wasting the earth's valuable resources. It's an approach that requires a dose of good old-fashioned common sense. We don't always get it right – but that's the point; it's a continual search for ways to do things better.

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.

Paul Hewitt

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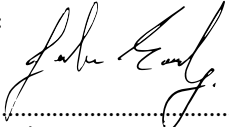
Throughout the year we monitor progress, and each year we review our targets to ensure we are improving our environmental performance. All members of the team at Generation Press are responsible for their part in meeting environmental performance targets.

Zoë 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.

Southern Water has given us a formal waiver for the requisite Consent to Discharge Trade Effluent, as our contaminated discharge is less than 5m<sup>3</sup>/day. But as no trade effluent is discharged from any of our sites we don't actually need this consent.

Because we use so little solvent we do not need a Local Authority permit under Environmental Permitting Regulations.

Despite that we've gone further. As of July 2013, we have installed a new chemical-free thermal closed loop plate processor, which means that now nothing toxic goes down our drains at all. We will not need to request a waiver for our plate processing system with this new addition. Hooray.

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).

“Good management is the art of making problems so interesting and their solutions so constructive that everyone wants to get to work and deal with them.”

**Paul Hawken**

Environmentalism, entrepreneur and author.





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

### 1. & 2. Solid Waste Generation & Liquid Waste Generation (Direct)

Using our waste management system, we currently recycle 98% of all our waste. Which includes recycling or re-using almost all items from the production of print: paper, card, cardboard, mill dyed paper, wax wrappings, polythene, waste ink, ink tins, plate developer, plastics, off-cut foils, aluminium plates, copper, magnesium and brass. Since August 2012, we now recycle our blanket rollers, duct foils and rubber printing blankets. All our printing rags are collected, washed and re-used by a professional, certified company.

In our studio/office we collect and recycle our ink cartridges, batteries, mobile phones (£30 for every mobile phone will be donated to the charity Mind Brighton), DVDs, CDs and all WEEE (Waste Electrical and Electronic Equipment). We use environmental cleaning services and recycle the Dry Mixed Recycling from our offices and kitchens, and milk bottles.

Waste ink, metal ink tins and plate chemicals are disposed of as hazardous waste in accordance with Hazardous Waste Regulations (2005, 2009). General waste from all sites 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 are keeping records of the bins to find out where we can make further reductions in our collections.

### 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'.



### 3. Energy Consumption (Electricity) (Direct)

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

Most of the energy we consume is electricity. For many years Ecotricity has been our green supplier of choice. We have spent a lot of time researching the most environmentally sound energy supplier. And it's Ecotricity by a million miles. They are completely authentic and what's so amazing is they are changing the way electricity is made. They put more money into creating new green energy than all the other electricity companies in the UK put together. And they were the first electricity company to become EMAS accredited. We chose the 100% Green Energy tariff. (37% Ecotricity's windfarm / 63% Green energy = 100% Green energy).

Ecotricity estimates it reinvests £400 per household per year into building new green energy (50p out of every £1). That's far more than any competitor. Over the last 6 years EDF spent a yearly average of £4.98 per household (4.4p for every £1). Ecotricity refuses outside investment, choosing instead to reinvest the

company's profits into building more wind turbines and creating new green energy.

The best we can all do to reduce our carbon footprint is to change our electricity supply to renewable energy at home and at work.

We are now going to focus on reducing our electricity usage, which accounts for 33.6 tonnes of the 65.7 tonnes of CO<sub>2</sub> (65.7 tCO<sub>2</sub>e) of our total carbon footprint. A very exciting new development towards this reduction is our recently fitted solar panels. They will feed directly into our Litho Presses thereby greatly reducing our demand on the grid. This time next year we will know exactly how much of our energy is powered by solar panels.

Two buildings, five presses. With a growing business, it's crazily ambitious to even try to reduce our electricity. But try we must. Our switch-off initiative is making little steps towards such a difficult reduction.

#### Potential Impact:

The generation and use of electricity creates greenhouse gases.



Paul Hewitt

Owner / Managing Director  
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#### 4. Carbon Dioxide Emissions (Direct & Indirect)

In 2006 we emitted 67 tonnes of CO<sub>2</sub> (67 tCO<sub>2</sub>e). In 2009 it fell to 63 tonnes (63 tCO<sub>2</sub>e), in 2010 to 58 tonnes (58 tCO<sub>2</sub>e), and by 2011 it was down to only 49 tonnes (49 tCO<sub>2</sub>e). That's a 37% decrease over seven years. We reduced our emissions from 6.4 to 4.9 tonnes of CO<sub>2</sub> (tCO<sub>2</sub>e) per employee.

2012 has been an exciting year for Generation Press and we've been growing fast. It was the first full year of operating our new B2 Press and the building it is housed in. When you are running two buildings, instead of one, and the new B2 Press, it's inevitable that CO<sub>2</sub> would be higher. We are really happy and relieved it didn't double. In fact we kept the increase to 34%.

So the Generation Press Carbon Neutral results for 2012 are up to 65 tonnes (65.7 tCO<sub>2</sub>e) from 49 tonnes (49 tCO<sub>2</sub>e) and the current figure for each employee is now 5.9 tonnes (5.9 tCO<sub>2</sub>e).

However, readings from the original electric meter for the barn building indicate that this year we are down to 37,800 kWh (kilowatt-hour) from 39,597 kWh annually.

The new building, where our new B2 Press lives, is more efficient at 31,789 kWh (kilowatt-hour), that's where we're printing 64% of all printed sheets. Our brand new Indigo Digital Press will be even more efficient.

But adding the two new presses will inevitably mean an increase in our carbon footprint.

#### 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.

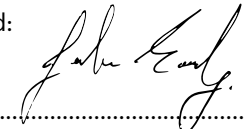
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## 5. Indirect Environmental Impacts (Procured Goods and Services) (Indirect)

We are now starting to review our suppliers not only on quality as before but also looking at their environmental practices. And we're not just checking suppliers' certifications or their intentions to achieve them, but also looking at their own internal best practices and monitoring systems.

First and foremost, our priority is paper and paper suppliers. Despite traditionally being a pretty murky industry at the best of times – especially when you get to the pulp and paper mills – we are going to attempt to compile a list of bona fide ethical papers and suppliers. As far as we know, no such list exists.

The list will mean we can confidently advise and provide our clients with good sound paper options with all the information they need to know.

So it will not just be based on FSC or recycled credentials, but will allow them to trace the paper back to the mill it came from and work out how far their paper has had to travel.

This level of information will mean we can really discuss and shape our clients' views on ethical paper, opening up an important conversation. Just as the FSC and recycled content of papers change, our list will continually evolve. We are prepared to get this wrong. But we feel instinctively that it is the right thing to do.

### Potential Impact:

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

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### 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.

They 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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GP's Environmental Objectives,  
Targets & Programmes 2013/14

1. Solid Waste Generation –  
Waste Reduction

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

Target 02. Research and design interface for new GP 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.

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

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.

Target 06. Research possible alternatives to our failing composting system, maintenance tanks and latex gloves.

Aim: reduce landfill waste by 1%.

2. Liquid Waste Generation –  
Reduce using the B2 & B3 Presses &  
Indigo Digital Press

Target 01. B2 Press creates less ink used for the same output. Use B2 Press over the B3 Press. Use Indigo Digital Press.

Target 02. New storage/shelving system to monitor ink usage more efficiently.

Aim: reduce by 2%.

3. Energy Consumption (Electricity)  
Improve our energy efficiency

Target 01. To reduce energy consumption. Monitor switch-off campaign.

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

Aim: reduce by 2%.

4. Carbon Dioxide Emissions –  
Reduce our electricity usage

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

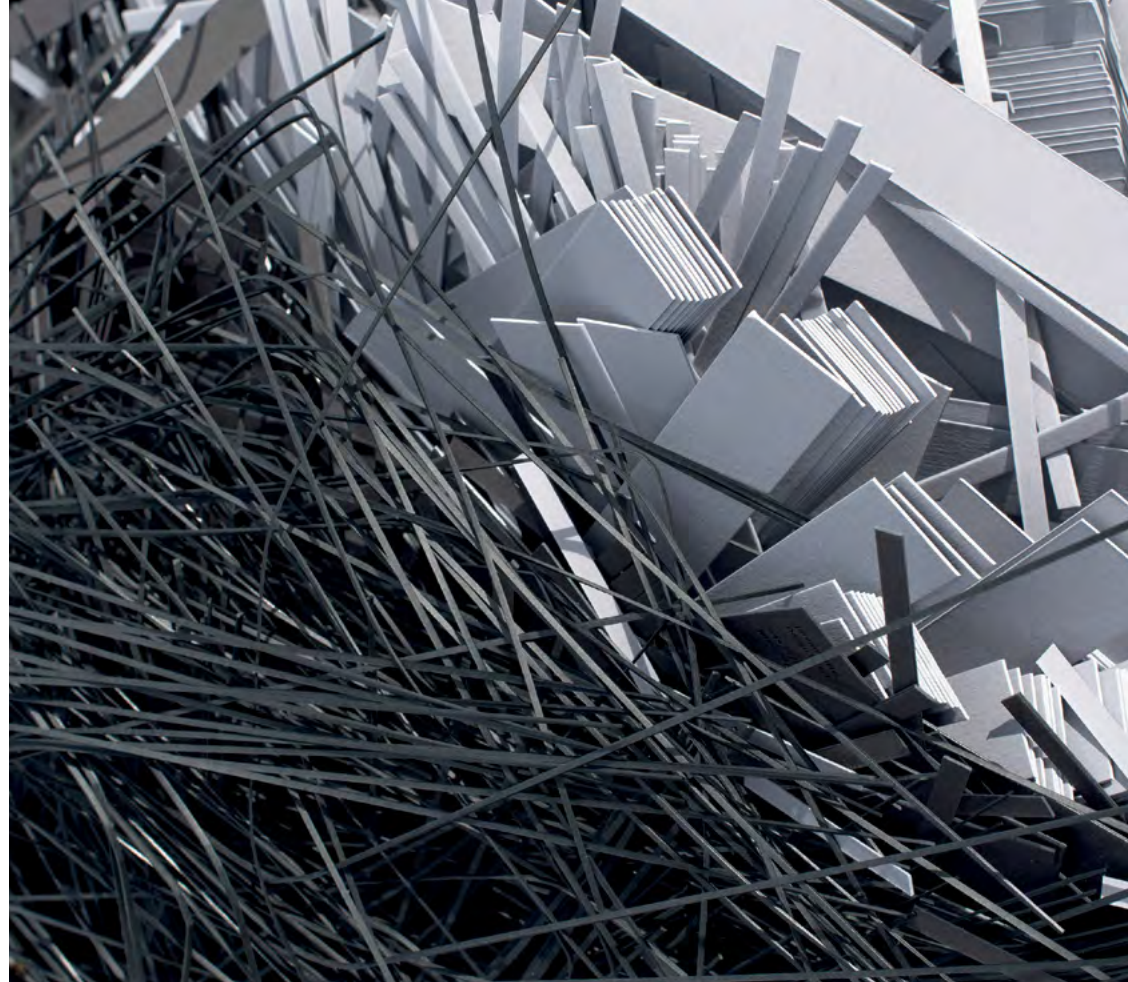
Target 02. To research and source a carbon count for how many trees we plant per year on our tree initiative and include them in our final CO<sub>2</sub> totals.

Aim: reduce by 1%.

5. Indirect Environmental Impacts  
(Procured Goods and Services)

Target 01. We are going to compile a list of bona fide ethical papers and suppliers.

Aim: 100% of all papers we purchase annually.



Paul Hewitt

Owner / Managing Director  
at Generation Press.

Signed:

Handwritten signature of Paul Hewitt.

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# Summary Data On Performance



## GP's Key Environmental Performance

Environmental data	2009/10	2010/11	2011/12
<b>1. Paper</b>			
<b>Purchased (tonnes)</b>	—	—	107,817
<b>Sheets printed (B2&amp;B3)</b>	—	—	3,472,775
<b>2. CO<sub>2</sub> Emissions (tCO<sub>2</sub>e)</b>	58	48.7	65.7
<b>3. Energy Usage</b>			
<b>Electricity (100% renewable) (kWh)</b>	41,259	47,326	69,589
<b>Fuel (Litres)</b>	4113	2901	3550
<b>4. Waste Product (tonnes)</b>	33.76	30.85	38.73
<b>5. Water (m3)</b>	—	342.18	342.18
<b>6. Environmental Complaints</b>	0	0	0

An overall increase in 2011 & 2012 is influenced by our new building and new B2 Press. Please see details below.

### 1. Paper Usage (significant aspect 5)

This is the first year we have been able to know how many tonnes we have bought and used. The total number of sheets printed is recorded weekly for both the B3 Press (36%) and the B2 Press (64%) of the total. We have recently started to record the sheets printed on the new Indigo Digital Press and the Heidelberg foiling press too. We keep a record of all purchased paper and from this we intend to create an ethical paper and supplier list.

Paul Hewitt

Owner / Managing Director  
at Generation Press.

Signed: 

01 November 2013

John Early

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

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## 2. CO<sub>2</sub> Emissions GHG (significant aspect 4)

CO <sub>2</sub> Emissions GHG	2008/09	2009/10	2010/11	2011/12
<b>Electricity (tCO<sub>2</sub>e)</b>	33	22.5	23	33.6
<b>Fuel Oil (tCO<sub>2</sub>e)</b>	12	14.2	8.8	10.7
<b>Landfill Waste (tCO<sub>2</sub>e)</b>	3.2	0.45	0.5	0.28
<b>Premises Total (tCO<sub>2</sub>e)</b>	48.2	37.2	34	47.2
<b>Business Travel (tCO<sub>2</sub>e)</b>	6.02	15	6.2	7.21
<b>Transport (tCO<sub>2</sub>e)</b>	8.7	5.6	8.3	11.28
<b>Total (tCO<sub>2</sub>e)</b>	63	58	48.7	65.7
<b>Staff (tCO<sub>2</sub>e)</b>	10	10	11	11
<b>Key Performance Indicators (KPI)</b>	6.3	5.8	4.87	5.97
<b>tCO<sub>2</sub>e = per full time equivalent employees</b>				

### 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.

### October 2008 – 2009

This is where we started. So we feel like we wanted to show you our journey.

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

Energy Usage	2008/09	2009/10	2010/11	2011/12
Electricity MWh	61.2 MWh	41.3 MWh	47.4 MWh	69.6 MWh

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)

### 4. Waste (significant aspect 1 & 2)

This is a breakdown of our waste and recycling.

Waste	2008/09	2009/10	2010/11	2011/12
General Printed Waste	24.00 tonnes (24000 kg)	18.20 tonnes (18200 kg)	20.62 tonnes (20062 kg)	23.37 tonnes (23369 kg)
Mill Dyed Paper	included in above	7.28 tonnes (7280 kg)	4.42 tonnes (4420 kg)	5.24 tonnes (5241 kg)
Wax Wrappers	included in above	1.14 tonnes (1144 kg)	0.30 tonnes (297 kg)	0.22 tonnes (220 kg)
Cardboard	9.18 tonnes (26m2)	1.56 tonnes (1560 kg)	0.32 tonnes (315 kg)	0.11 tonnes (112 kg)
Polywrap	N/A tonnes	0.31 tonnes (312 kg)	0.28 tonnes 280 kg	0.06 tonnes (58 kg)
DMR Recycling	N/A tonnes	2.85 tonnes (2849 kg)	3.22 tonnes (3216 kg)	7.32 tonnes (7323 kg)

Waste	2008/09	2009/10	2010/11	2011/12
General Landfill	5.28 tonnes	0.81 tonnes (810 kg)	0.71 tonnes (707 kg)	0.62 tonnes (624 kg)
Hazardous Liquid	0.37 tonnes (750 Litres)	0.43 tonnes (880 Litres)	0.55 tonnes (1130 Litres)	0.81 tonnes (1650 Litres)
Hazardous Solid	0.26 tonnes (260 kg)	0.36 tonnes (360 kg)	0.32 tonnes (320 kg)	0.24 tonnes (240 kg)
Non-Hazardous Waste	N/A tonnes	0.37 tonnes (371 kg)	0.11 tonnes (110 kg)	0.79 tonnes (787 kg)
Total Waste	39.09 tonnes	33.31 tonnes	30.85 tonnes	38.78 tonnes
Recycling Rate	86.49%	97.6%	97.7%	98.4%

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>			
<b>Electric (100% Green</b>	69.589 Mwh	11 staff	6.33
<b>Tariff) Fuel (Heating Oil)</b>	41.499 Mwh		3.77
<b>Material Efficiency</b>	107.817	11 staff	9.80
<b>(Paper purchased)</b>	tonnes		
<b>Water</b>	342 m3	11 staff	31.09
<b>Waste</b>			
<b>General</b>	38.46 tonnes	11 staff	3.50
<b>Hazardous</b>	1.86 tonnes		0.17
<b>Biodiversity all sites</b>			
<b>Manor Farm, Poynings</b>	338.4 m2	11 staff	30.76
<b>Emissions</b>			
<b>Annual GHG</b>	65 tonnes	11 staff	5.91
<b>Annual Gaseous</b>	1.6 tonnes	11 staff	0.15

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## Annual (GHG) Greenhouse Gases 2011/12

CO <sub>2</sub>	Tonnes	Conversion GWP @ 100 years	Tonnes
<b>CO<sub>2</sub> – Carbon Dioxide</b>	64.1	1	64.1
<b>CH<sub>4</sub> – Methane</b>	0.0131	25	0.328
<b>N<sub>2</sub>O – Nitrous Oxide</b>	0.00422	298	1.26
<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>			1.6
<b>NO<sub>x</sub> – Oxides of Nitrogen</b>			0
<b>PM – Particulate Matter</b>			0

“Has saving the planet been given a back seat to  
saving the day?”

Joel Makower

Entrepreneur, writer and strategist  
on sustainable business.

## GP's Feedback & Contact

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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 email above.

The Environmental Statement is an annual reporting process.

### Environmental Verifier

#### EMAS Declaration

This is our first 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 2014.

### John Early

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01 November 2013





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