

(Th)ink

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





EMAS Environmental Statement 2016

John Early

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

Signed:

.....
20 November 2016

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

NACE Code 22.2



We Are Generation Press

It's not easy being green.
Kermit The Frog



Managing Director's Introduction

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

Welcome to our fourth EMAS
Environmental Statement.

Here we are again. Another year.
Another audit. And what a year it's
been. Not only have we been busy
spreading the words and images of
innovative design and print optimism,
but we also managed to be shortlisted
for the prestigious Queen's Award for
Enterprise: Sustainable Development
2016.

"The purpose of The Queen's Award
for Enterprise: Sustainable Development
is to recognise and encourage the
achievements by businesses... in
developing commercially successful
products, services and approaches
to management which have major
benefits for the environment, society

and the economy. The Award recognises
those who have sought to enhance
the sustainability of their operations
through either their governance and
management systems, or the products
or services they provide."

So in order to even qualify for entry,
we had to prove that, as a business, we
could show outstanding commercial
success through sustainable development
and good corporate citizenship.

It all felt very grown up and just a little
scary. But, ever the (print) optimists, in
September 2015 we dived in headfirst
and Generation Press put itself up for
royal scrutiny.

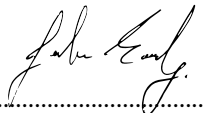
We had to dig deeper than ever before,
the devil very much being in every
minute detail of our operations. We
had to show how we manage our
resources and relationships. What
impact we have on society and the
environment. Provide evidence on how
we contribute to environmental, social

and leadership dimensions of
sustainable development.

Thankfully, our work with EMAS gave
us an enormously strong foundation
from which to work. And we gave it our
best shot. By January 2016 we were
overjoyed to discover we had become
finalists for the Award. To be honest,
we were amazed. We were up against
some very big boys and girls. But
clearly, all our hard work had paid off.

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Anyway, the announcement finally
came and we were pipped at the
post by Anglia Print, and only seven
companies receive the award for
sustainable development. To be
recognised as a contender was thrilling
enough, but to actually make the final
call, was proof that we are on the
right path when it comes to being a
sustainable business. We may not have
triumphed on this occasion, but it's
left us with plenty of food for thought,
room to improve and pointers on how
to do even more. Optimism rules.

Paul Hewitt

Owner / Managing Director
at Generation Press.

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20 November 2016

A blue-tinted photograph of a printing press control room and machinery. The control room is visible in the background with multiple monitors and a desk. The foreground shows large industrial printing machines with various panels and components.

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 passion for 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 tiny 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 top creative agencies and global brands around. 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, sustainable materials and stocks for each project.

By knowing the best suppliers, their sourcing policies, the provenance of their materials and miles travelled, we're able to deliver world-class print solutions AND influence change by example in very practical ways.

But it's not just about producing great-looking work that is worth keeping (and not discarding). It's about the whole lifecycle of a print product. We care what happened before the job came to us, while it's in our hands, and what happens next. 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 a diverse range of 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 private functions right through to giant corporate events. We bring brands to life with beautifully designed, tactile communications with which people can really engage.

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-runs. Personalised. On-demand. Improving for quality & range. Invested in HP Indigo press. 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 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. 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. 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.

You don't have to be big, just brave.

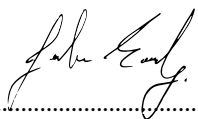
Anita Roddick

Activist, entrepreneur and author.

John Early

For and on behalf of NQA.
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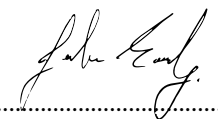


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Green Paper

Environmental Policy



Think

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. 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, less ink and offering paper from responsibly managed forests will never compromise the standard of our work. And being carbon neutral means exactly that. In other words, we are print progressives, and print optimists.

This Green Paper (Environmental Policy and Eco Programme), which is updated every year, sets out our targets. Part policy statement, part road map, part checklist, it provides us with a charter that constantly reminds us of what our environmental and ethical responsibilities are, and that we have a shared commitment to meet them.

Duty of Care

We are EMAS

Eleven printers in the UK have managed it and we're the smallest. It's not the certificate, but what it forces us to do. We have to examine every aspect of our business and fix even the tiniest things. No hiding place, just lots of lessons. It makes 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, it's the stepping stone on our way to the even more demanding EMAS standard.

We are carbon neutral

We have been for many years. A zero carbon footprint is a good target because it focuses attention and makes you gather the data.

As part of our offsetting programme, we support the Rio Ceramics Project in Pinheiral City, Brazil. The project replaces heavy oil with renewable biomass to generate energy at three ceramic brick factories, while contributing to the social and economic development of local communities.

We offer sustainable paper

We always recommend clients choose certified papers from well-managed forests. The criteria for these papers are to conserve biological diversity and ancient woodlands, protect indigenous groups and combat climate change. One day, we hope sustainable paper sources will be mandatory in the print industry. Ask us more about paper options.

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 less paper and a tiny bit more ink

Due to our EMAS audits, we have been keeping stringent records of our consumption since 2012. Despite experiencing an overall increase in production of 34% this year, we have only increased our paper purchases by 29%, and 28% for ink purchases. We have also continued to improve our efficiency of sheets printed per kilo of ink, this year by 4.7%.

We use solar power

Our solar panels go a long way to powering two of our main presses in building 2. They also look beautiful, or handsome, depending which way your sun shines. In the last year our solar panels have accounted for as much as 50.8% of our electricity in building 2, which has meant a 5.8% increase. We owe it all to the sunshine and not to anything we've done, obviously.

We use renewable energy

Aside from solar power, the rest of our electricity 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

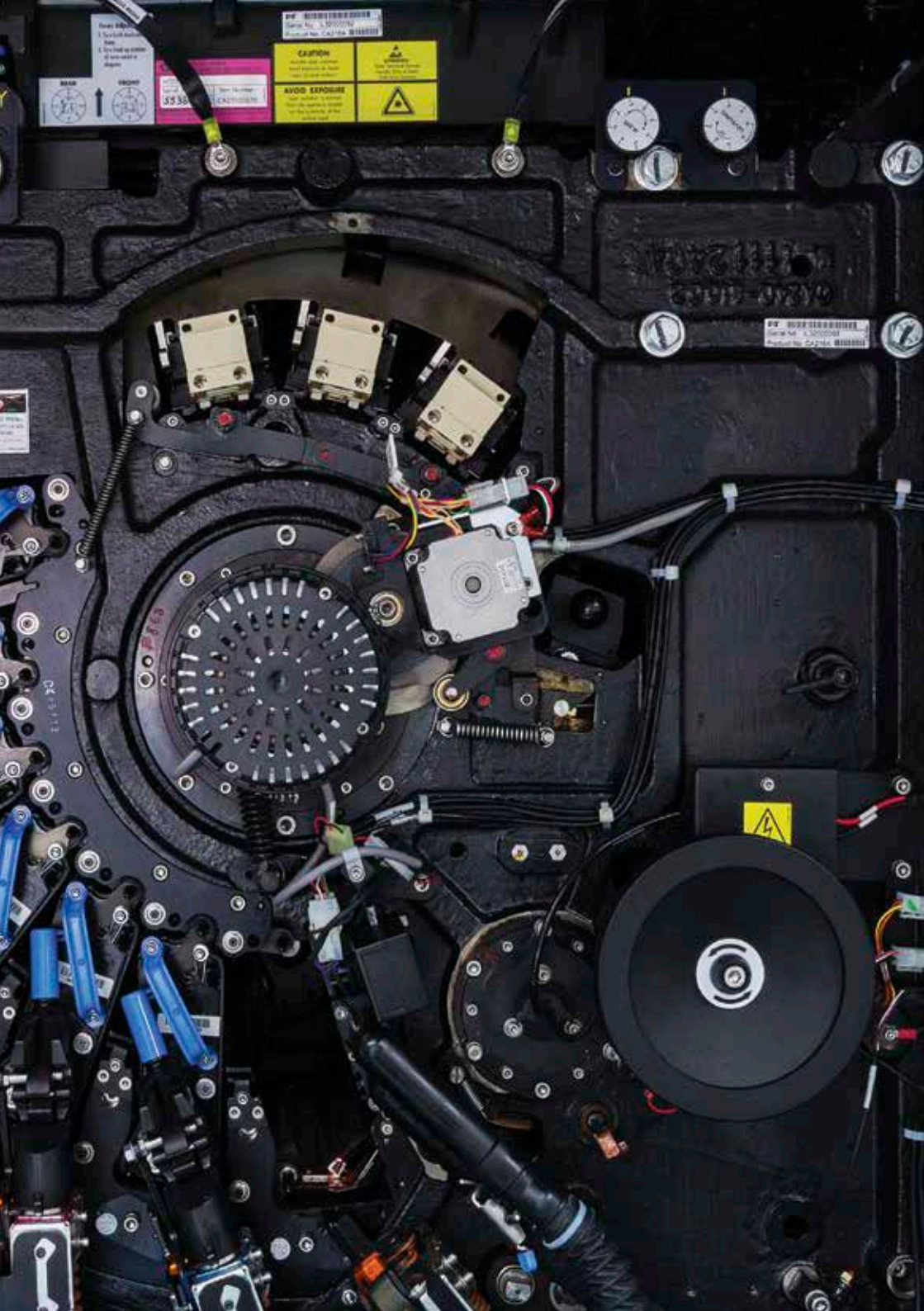
We re-use and recycle all materials wherever possible. 98.5% of our waste is recycled and just 1.5% goes to landfill. Our business card boxes are made from 100% recycled card. All off-cuts and 'overs' become gorgeous notebooks. We donate our foils to a local Community Recycling Scheme. All our printing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

Our packaging is Greenwrap – a sustainable replacement for oil-based plastic packaging materials (bubblewrap and polychips). Greenwrap is bio-degradable, derived solely from certified, sustainably managed forests, and is 100% recyclable and compostable. We also recycle the packaging that vendors send to us.

We are digital

Advances in technology means we can offer clients affordable, world-class print options without compromising our environmental objectives. We cannot stress enough how important this is for us.





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

Our Switch Off Campaign ensures 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

We started our Buy A Bike Scheme, open to any employee to purchase a bicycle via the company and pay off monthly. Then came the STRAVA (GPS tracking cycling app) – the monthly Generation Press cycling competition started in March 2014. We actively encourage cycling to work with on average four employees regularly doing so.

John Early

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We use trains

We insist that all journeys to and from London are by train. Eventually, we aim to create an eco-taxi directory for whenever buses or the underground cannot be used.

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 and Yew. So far, we've funded the planting of 2,855 trees at The Crossing, a community tree-planting project on the outskirts of Forest Row on the West/East Sussex border. Our trees are now planted at the Woodah Farm, on the very edge of Dartmoor in Devon. We are currently waiting for a more local area to become available.

Nuts and bolts

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. 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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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
Environmentalist, entrepreneur and author.

(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 parts in meeting environmental performance targets.

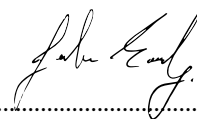
Zoe Hazelden, Sustainability Manager, is responsible for developing and running the environmental management and internal audit systems, and producing an annual management review of environmental performance.

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

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Legal Requirements

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 is also 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 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 Regulations 2010 – (less than 50 tonnes of Packaging Waste annually).

All applicable environmental legal requirements are completed via the 'Environmental Legislation's Register' (D 02).

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.



Results/1&2 2015/16 GP's Environmental Objectives, Targets & Programmes

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

Target O1. Use B2 Press (which uses less ink for the same output) over the B3 Press. Use Indigo Digital Press.

Aim: Reduce by 1%.
Result: Reduced by 42%.

Summary of result:
We reduced our liquid waste from 1184L last year to 686L this year.

Target O2. Reduce ink consumption per sheet by 1% compared to production.

Aim: Reduce Ink consumption by 1% consumption per sheet.
Result: Reduced by 4.7%.

Summary of result:
We experienced an overall increase in production of 34%, but have only seen an increase in our paper purchases of 29%, and our ink purchases of 28%. We are delighted to see an improvement in our efficiency of sheets printed per kilo of ink again, this time by 4.7% due to the continued increase in use of our B2 and Indigo Presses (which are far more efficient).

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

Target O1. Reduce electricity by 1% against production / impressions..

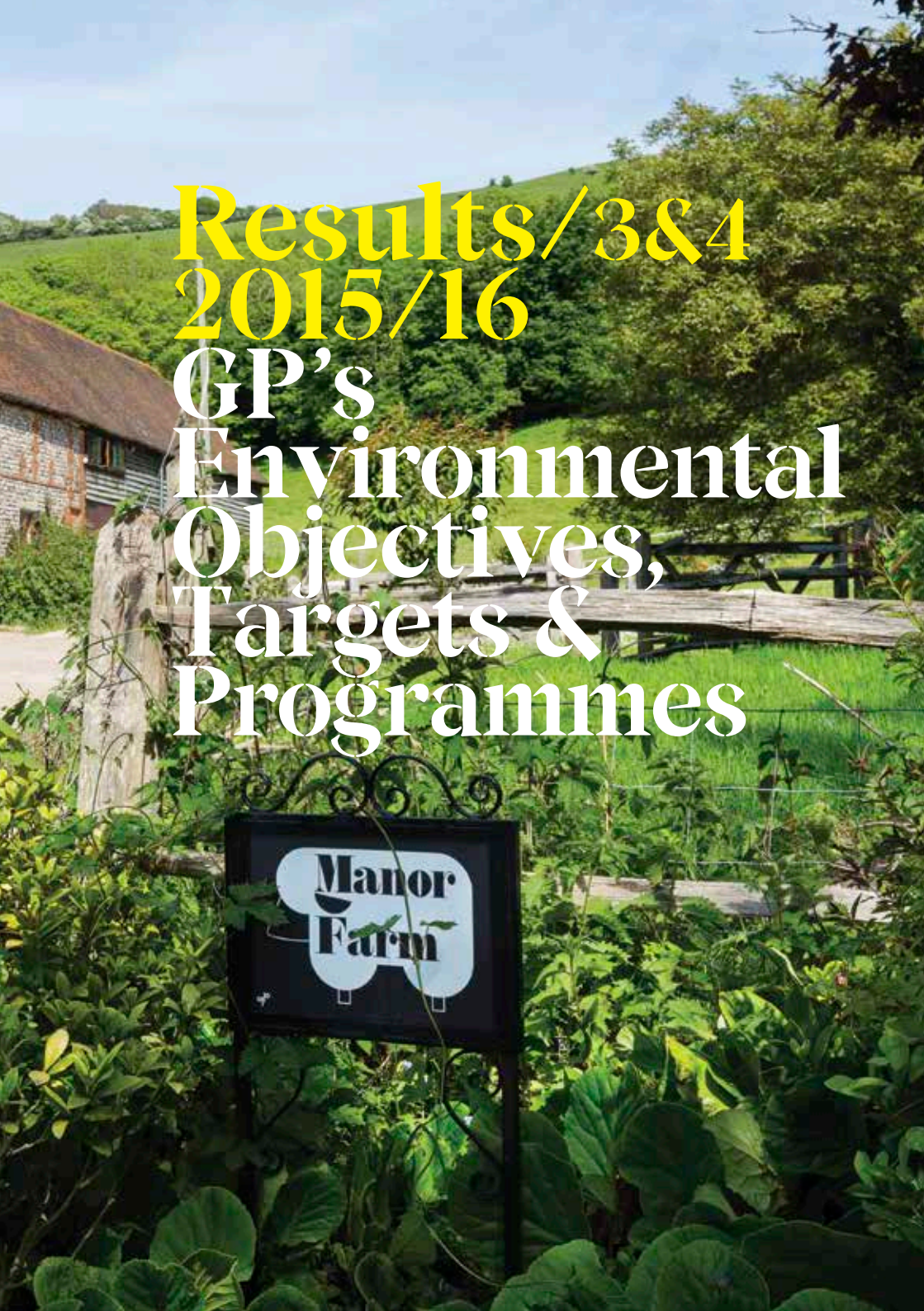
Aim: Reduce by 1%.
Result: Increased by 2.8%.

Summary of result:
With the massive increase of 34% in production, and with the help of our solar panels, which directly feeds 50.8% of our electricity requirements into building 2, we have managed to only see a 2.8% increase in electricity demand on the grid from 53,577 kwh last year to 55,078kwh this year.

Target O2. Include degree days for comparative year on year purchase of oil for heating to gain specific usage.

Aim: Introduce degree days with our heating oil consumption.
Result: Added to this EMAS Statement.

Summary of result:
This was the wonderful idea of NQA's John Early to help us evaluate the actual use of our heating and the oil we purchase based on our local degree days.



Results/3&4 2015/16 GP's Environmental Objectives, Targets & Programmes

3. Carbon Dioxide Emissions (Direct & Indirect) – Reduce our CO₂

Target 01. Reduce carbon emissions by 1%.

Aim: Reduce by 1%.
Result: Increased by 9.14%.

Summary of result: Our tCO₂e has increased from 58 tCO₂e to 63.3 tCO₂e. This increase in our tCO₂e is entirely due to an increase in production resulting in a 107% increase in flights deliveries from 84 to 174 flights worldwide. This is an increase from 7.58 tCO₂e to 13.3 tCO₂e. That is a massive 5.5 tCO₂e increase. If the increase in flights had not occurred, we would have reduced our tCO₂e to 57.8 tCO₂e. One can never predict an increase in production and company growth.

Target 02. Continue to plant a minimum of 700 trees and record amount of CO₂e being saved.

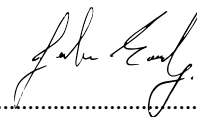
Aim: Plant 700 trees.
Result: Planted 731.

Summary of result: We have planted 731 trees this year, with a CO₂ conversion of 19,006 pounds. Knowing that a single young tree can absorb 26 pounds of CO₂ per year continues to motivate our tree-planting initiative.

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

Target 01. Research environmentally considerate alternative delivery options.

Aim: Change to electric delivery vehicle fleets, if viable.
Result: We are hoping to change to carbon neutral Interlink Express in 2017.

Summary of result: We have researched local delivery companies that provide carbon neutral delivery. We found Interlink Express and confirmed that this could be included in our Carbon Neutral assessment. We need to check their efficiency before we finally commit to changing.

Target 02. Research environmentally considerate alternative travel options.

Aim: Create a well-researched, London-based eco-taxi directory.
Result: We have researched all London cabs, and discovered metrocab.com offer 100% electric black cabs.

Summary of result: Paul Hewitt is registered for updates and will use these metrocabs when public transport is not available.

Target 03. Replace polystyrene packaging for the HP Indigo ink canisters with a cardboard alternative.

Aim: Lobby Hewlett Packard to replace polystyrene packaging with a cardboard alternative as above.
Result: We are having to source a recycling option for our polystyrene.

Summary of result: We were contacted by Keren Shinar Supplies and Environmental product manager for HP and 3 other colleagues to explain it was too expensive to change their robotic packing system to cardboard from polystyrene.



2016/17 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.

Potential Impact:

The recycling, re-use and safe disposal of waste creates CO₂ 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. We have introduced 'degree days', to account for either our low or high oil use, depending on how cold it gets in winter.

Most of the energy we consume is electricity. Which is why our focus is on reducing our electricity usage, as it accounts for approximately 50% of our total carbon footprint year on year.

For many years, Ecotricity has been our green supplier of choice because it invests in renewable energy sources. And since installing our solar panels, we have been able to dramatically reduce our need for external energy sources.

Weekly meter readings are taken and we are able to confirm that, in 2015/16 50.8% of our electricity in building 2 was solar-powered. All solar energy that is generated at weekends, or when the presses are not running, is sold back to the grid.

Potential Impact:

The generation and use of electricity creates greenhouse gases.



cont'd... 2016/17 GP's Significant direct and indirect aspects & impacts

3. Carbon Dioxide Emissions (Direct & Indirect)

The Generation Press Carbon Neutral results for 2015/16 is 63.3 tCO₂e, and for each employee it is 5.76 tCO₂e (last year 5.28 tCO₂e). Our tCO₂e has increased from 58 tCO₂e to 63.3 tCO₂e. That is a 9.14% increase in our overall tCO₂e due to an increase in production and worldwide flights, thereby accounting for 5.5 tCO₂e increase alone.

The tCO₂e for our premises was down by 3.6%, which is an amazing achievement in light of our overall increase in production.

Potential Impact:

CO₂ 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 in all good faith, we began compiling a comprehensive list of bona fide ethical papers and suppliers. As mentioned previously, we had made great progress with this, but with the closure of a major UK paper supplier and the transient nature of the industry as whole, we have had to re-think our strategy.

We have now achieved 100% of the Top ethical Papers List based on all the paper we purchased in the past year. And once we have developed our internal Generation Press Ethical Paper Grading System further, we will be able to confidently advise on and provide our clients with well-researched, ethical paper options that are the best quality for each job.

Our client-facing Top Ethical Papers List 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.

Potential Impact:

Environmental performance of suppliers. Global warming, energy loss and 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 CO₂ 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.

GP's Environmental Objectives, Targets & Programmes 2016/17

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

Target 01. Reduce ink consumption per sheet by 1% compared to production.

Aim: Reduce Ink consumption by 1% per sheet.

Target 02. Continue to divert a minimum of 98% from landfill including liquid waste and solid combined.

Aim: Divert more than 98% from landfill.

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

Target 01. Reduce electricity by 1% against production / impressions

Aim: Reduce energy consumption by 1%.

Target 02. Change building one to LED bulbs as and when the bulbs need changing.

Aim: Eventually change all bulbs to LED at Generation Press.

3. Carbon Dioxide Emissions (Direct & Indirect) – Reduce our CO₂

Target 01. Reduce carbon emissions by 1%.

Aim: Reduce carbon dioxide emissions by 1%.

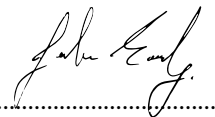
Target 02. Continue to plant a minimum of 700 trees and record amount of CO₂ being saved.

Aim: Maintain the purchase of UK trees.

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

Target 01. Research local polystyrene recycling locations.

Aim: Find a local recycling system for our polystyrene. Due to not being successful with HP.

Paul Hewitt

Owner / Managing Director
at Generation Press.

Signed:



20 November 2016

The image shows a wooden roof structure with numerous rafters and beams. The left side of the image is a natural photograph, while the right side is covered by a semi-transparent pink overlay. The text 'Summary Data On Performance' is written in white serif font on the pink background.

Summary Data On Performance

GP's Key Environmental Performance

1. Paper Usage (significant aspect 4)

Environmental data	2012/13	2013/14	2014/15
1. Paper			
Purchased (tonnes)	99.488	71.465	92.303
Sheets printed (B2&B3)	3,014,557	3,159,147	4,597,575
Sheets printed (Foiling)	732,939	745,904	753,979
Sheets printed (Indigo)	863,257	1,109,345	1,371,159
Total Sheets	4,610,753	5,014,396	6,722,713
Ink Purchased (kilos)	1,801	1499	1920
Sheets Printed per kilo of ink	2,560	3345	3501
2. CO₂ Emissions (tCO₂e)	65.1	58	63.3
3. Energy Usage			
Electricity-100% Green renewable from external source(kWh)	69,395	53,577	55,078
Electricity-Renewable from internal PV Panels (kwh)	-	13,267	14,030
Fuel (Litres)	4,722	3,090	3,849
Degree days (15.5 degrees)	-	1488	1842
4. Waste Product (tonnes)	33.89	34.27	30.79
5. Water (m3)	342.18	342.18	342.18
6. Environmental Complaints	0	0	0

Increase in production 2013/14 and 2014/15: 34%.
 Paper purchased from 2013/14 and 2014/15: 29.2% increase.
 Ink purchased from 2013/14 and 2014/15: 28.1% increase.
 2013/14 and 2014/15 efficiency of sheets printed per kilo of ink: 4.7% increase.

2. CO₂ Emissions GHG (significant aspect 3)

CO ₂ Emissions GHG	2012/13	2013/14	2014/15
Electricity & transmission (tCO₂e)	33.5	28.8	27.6
Fuel Oil (tCO₂e)	15	9.87	9.75
Landfill Waste (tCO₂e)	0.23	0.18	0.22
Premises Total (tCO₂e)	48.8	38.9	37.6
Business Travel(tCO₂e)	6.83	5.21	5.3
Transport (tCO₂e)	9.46	8.69	20.49
Total (tCO₂e)	65.1	58	63.3
Staff	11	11	11
Key Performance Indicators (KPI) tCO ₂ e = per full time equivalent employees	5.92	5.27	5.76

October 2014 – 2015
 +9.14 increase in our results, entirely due to increase in worldwide delivery / flights accounting for 5.5 tCO₂e. Our premises CO₂ has still decreased by 3.6%.

October 2013 – 2014
 -10.91% decrease in our results is due to our Solar Panels.
 (7.1 tonnes less than last year).

October 2012 – 2013
 -0.92% decrease despite the installation of our Indigo Press in July.

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

Energy Usage	2012/13	2013/14	2014/15
Electricity-100% Green renewable from external source MWh	69.4 MWh	53.6 MWh	55.1 MWh
Electricity-Renewable from internal PV Panels	-	13.27 Mwh	14.03 Mwh

2014/15 No changes to our premises.

2013/14 First full accounting year for our Solar Panels (building 2).

2012/13 New Indigo Press & Building One & Solar Panels.

4. Waste (significant aspect 1)

This is a breakdown of our waste and recycling.

Waste	2012/13	2013/14	2014/15
DMR Recycling	5.46 tonnes (5,456 kg)	3.16 tonnes (3,159 kg)	3.73 tonnes (3,733 kg)
General Printed Waste	14.56 tonnes (14,560 kg)	18.64 tonnes (18,640 kg)	15.68 tonnes (15,675 kg)
Mill Dyed Paper	7.02 tonnes (7,020 kg)	6.75 tonnes (6,750 kg)	5.63 tonnes (5,625 kg)
Wax Wrappers	0.62 tonnes (624 kg)	0.46 tonnes (460 kg)	0.88 tonnes (875 kg)
Cardboard	1.56 tonnes (1560 kg)	1.29 tonnes (1290 kg)	1.3 tonnes (1300 kg)
Polywrap	0.05 tonnes (52 kg)	0.08 tonnes (76 kg)	0.2 tonnes (200 kg)

Waste	2012/13	2013/14	2014/15
General Landfill	0.50 tonnes (504 kg)	0.40 tonnes (396 kg)	0.47 tonnes (468 kg)
Hazardous Liquid	1.98 tonnes (1,982 litres)	1.18 tonnes (1,184) litres)	0.69 tonnes (686) litres)
Hazardous Solid	0.12 tonnes (120 kg)	0.18 tonnes (182 kg)	0.2 tonnes (203 kg)
Non-Hazardous Waste	2.29 tonnes (2,292 kg)	2.13 tonnes (2,128 kg)	2.02 tonnes (2,024 kg)
Total Waste	33.9 tonnes	34.3 tonnes	30.8 tonnes
Recycling Rate	98.5%	98.8%	98.5%

2014/15 Our recycling rate slightly decreased to 98.5% from 98.8%.

2013/14 Our recycling increased and we removed more items from landfill.

2012/13 New Indigo Press & Building One & Solar Panels.

5. Water

This is an estimated usage of water. 306.16 Gallons / 1.391 m³ 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
Energy Efficiency			
Electricity-100% Green renewable from external source	55.078 Mwh	11 staff	5.01
Energy Efficiency			
Electricity-Renewable from internal PV Panels	14.030 Mwh	11 staff	1.28
Energy Efficiency			
Fuel (Heating Oil)	44.995 Mwh (3849L)	11 staff	4.09
Material Efficiency			
(Paper purchased)	92.303 tonnes	11 staff	8.39
Water			
	342 m ³	11 staff	31.09
Waste			
General	29.9 tonnes	11 staff	2.72
Hazardous	0.9 tonnes		0.08
Biodiversity all sites			
Manor Farm, Poynings	338.4 m ²	11 staff	30.76
Emissions			
Annual GHG	63.3 tonnes	11 staff	5.75
Annual Gaseous	1.46 tonnes		0.13


Annual (GHG) Greenhouse Gases 2014/15

CO ₂	Tonnes	Conversion GWP @ 100 years	Tonnes
CO ₂ – Carbon Dioxide	62.6	1	62.6
CH ₄ – Methane	0.0107	25	0.267
N ₂ O – Nitrous Oxide	0.00149	298	0.445
HFC – Hydrofluorocarbons	0	14,800	0
PFC – Perfluorocarbons	0	1,430	0
SF ₆ – Sulphur Hexafluoride	0	22,800	0
Annual Gaseous SO ₂ – Sulphur Dioxide			1.46
NO _x – Oxides of Nitrogen			0
PM – Particulate Matter			0

John Early
For and on behalf of NQA.
Verifier Ref. UK-V-0012
Signed:


.....
20 November 2016

Paul Hewitt
Owner / Managing Director
at Generation Press.
Signed:


.....
20 November 2016

GP's Feedback & Contact

Address:

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Contact:

zoe@generationpress.co.uk
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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 emails above.

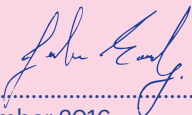
The Environmental Statement is an annual reporting process.

Environmental verifier

EMAS declaration

This is our fourth 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 2017.

John Early
For and on behalf of NQA.
Verifier Ref. UK-V-0012
Signed:



20 November 2016



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™

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