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Green Procurement

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- Why Buy Green
- Principles of Green Procurement
- Environmental Performance
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Introduction

Your Purchasing Choices:

- Price + Performance + Environment

Benefits:

- Reduced operating cost
- Reduced disposal cost and liability
- Improved resource use and reduced environmental impact
- Reduced Health & Safety risk
- Increased demand for similar products & services

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What is Green Procurement ?

“Selecting products and services that reduce the effect on the environment when compared with competing products or services”

Rules:

- Consistent with traditional purchasing values
- Minimise adverse environmental effects
- Maximise environmental benefit

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The Environmental Impact

Attributes include:

- Resource minimisation
- Energy and water efficiency
- Waste prevention
- Use of renewable materials
- Recycled content
- Impacts on air, water, and soil
- Hazardous material content
- Toxicity
- Packaging and Transportation

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Why We Should Buy Green?

Why?

- Required to do it?
- Cost saving
- Resource savings
- Environmental savings

Does it make a difference?

- Examples

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Government Guidelines

- Value for money includes both whole life costs and quality.
- Sustainability issues can be considered where appropriate and when relevant to the contract. This must take cost and affordability into consideration.
- Sustainability issues should be addressed at the appropriate stage in the procurement and can reduce whole life costs and improve quality through recycling or reducing disposal costs.

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Buying Green – EC & UK

A handbook on environmental public procurement

- Green Purchasing Strategies
- Public Procurement
- Requirements of Contract
- Selecting Suppliers
- Award of Contract
- Performance clauses

- Public authorities are major consumers in Europe, spending some 16 % of the EU's Gross Domestic Product
- In the UK £125 billion worth of goods and services are procured annually by the Public Sector.

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http://ec.europa.eu/environment/gpp/pdf/buying_green_handbook_en.pdf

Five Principles of Green Procurement

- Include environmental considerations as part of the normal purchasing process.
- Emphasise pollution prevention early in the purchasing process.
- Examine multiple environmental attributes throughout a product's or service's life cycle.
- Compare relevant environmental impacts when selecting products and services.
- Collect accurate and meaningful information about environmental performance, and use it to make purchasing decisions.

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Government Buying Standards: Used to be – Buy Sustainable - Quick Wins

defra Department for Environment, Food and Rural Affairs

- Cleaning Products
- Office Machinery
- Construction
- Furniture
- Electrical Goods
- Furniture
- Textiles
- Gardening Services

Government Buying Standards (formerly known as Buy Sustainable Quick Wins) are designed to make it easier for government buyers to buy sustainably. They include:

- official specifications that all government buyers must follow when procuring a range of products
- information about sustainable procurement and how to apply it when buying
- direct links to websites with lists of products that meet the standards.

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<http://www.defra.gov.uk/sustainable/government/what/priority/consumption-production/quickWins/index.htm>

Applying the Principles

- The type and complexity of the product or service being purchased.
- The commercial availability of the product or service.
- The type of purchasing method, for example, whether it is a small credit card purchase, a negotiated contract, or a sealed bid.
- The time-frame of the purchase.
- The £ amount

Mayor's Green Procurement Code awards

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1 - Environmental Considerations

When making a purchase compare

- Performance
- Safety
- Availability
- Price



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2 - Pollution Prevention




Early in the process consider

- Need
- Necessity
- Savings
- Improvements






3 - Environmental Attributes




Consider

- Raw materials
- Manufacturing
- Packaging & distribution
- Product Use
- Disposal






4 - Environmental Impact




Compare the impact

- Reversible?
- Scale
- Performance
- Risk





5 - Accurate Information




Collect accurate and meaningful information


- **Manufacturers**
 - labels
 - adverts
 - third party
- **Independent**
 - Government
 - Third Party
 - Certification Organisations




Environmental Performance




- No single attributes
- Consider entire life cycle
- Positive and Negative attributes
 - Natural resources
 - Ecological, Energy, Water, Resource use
 - Health and environment
 - Accumulative, Ozone depletion, Global warming, Toxic, Hazardous
 - Environmental advantages
 - Recycled content, durability, reuse, disassembly, recyclable



The Toxic Trail:

- Forestry Practices
- Chemical Production
- Chemical Treatment of Wood
- Storage of Treated Poles
- Treated Poles in Use
- Disposal & Recycling
- Transportation




Incorporating a Policy



- Determine your needs
- Conduct market research
- Determine the procurement method
- Determine the most appropriate source for obtaining the product or service
- Evaluating the overall quality and value
- Making the final selection of the product or service and monitoring the progress




Example Policy (1)




Environmental Purchasing Policy

The aim of the Environmental Purchasing Policy is to prompt staff involved in the procurement of goods and services to use environmental responsibility as a factor in their purchasing decisions. In particular for them to:-

- consider goods and services which may be manufactured, used and disposed of in an environmentally responsible way;
- give preference, where items are of a similar cost, to those that are manufactured with a high recycled content;
- specify items that can be recycled or re-used;
- favour suppliers that are committed to environmental improvement;
- consider 'whole life' costs and impacts when assessing equipment for purchase;
- work proactively with companies and the community at large to progress environmental initiatives and exchange best practice.


Specifically, the Purchasing Section will:-

- circulate agreements that offer environmentally friendly alternatives;
- carry out environmental assessment of the Organisations major suppliers;
- supply to the Organisation's Operating Centres, best advice on environmental issues relating to purchasing.



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Example Policy (2)



It is the policy of Kirklees Council to:

PP1 – Purchase goods and procure services which as far as possible reflect up-to- date specifications or standards for environmental sustainability.

PP2 – Make it a requirement of Council contracts or specifications that, contractors and suppliers maintain environmental standards equivalent to the Council's own standards.

PP3 – Ban the use of environmentally damaging products or processes by the Council where

PP4 – Restrict the use of the following products

PP5 – Reduce the purchase of new products by re-using, repairing or refurbishing products.


PP6 – Specify products which are made from recycled material.**PP7** – Specify products which can be recycled.

PP8 – Specify products which are the most energy efficient, both in their manufacture & operation.

PP9 – Specify products which cause minimal damage to the environment in their manufacture, distribution, use and disposal.

PP10 – In order to reduce the negative impact of vehicles, purchase Euro 3 specification lean burn diesel engine vehicles

PP11 – Paper1. Where paper is to be used for printing,



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Practical Purchasing

Green Symbols (not invented ones!)



Mobius Loop



Nordic Swan



NAPM



European Ecolabel



Blue Angel



TCO label



Appliance Energy Label



EPA Energy Star



Forest Stewardship Council



ISO 14001 ISO Standard



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and these.....


















<http://www.defra.gov.uk/environment/consumerprod/pdf/shoppers-guide.pdf>
<http://www.defra.gov.uk/environment/consumerprod/gjc/pdf/greenlabels-index.pdf>



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Stationery

Common symbols




Caring for the Environment



% Post consumer waste within product



% undefined waste within product




Nordic Swan, Blue Angel & NAPM Approved



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General Stationery (1)



Glue

- water soluble, biodegradable

Correction fluid


- water based, solvent free


Envelopes

- Manilla, recycled, reused - avoid bubble wrap


Files

- Polypropylene - not PVC, reuse, avoid mixed materials





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General Stationery (2)


Pens & pencils


- made from sustainable materials
- avoid disposable products & ink cartridges

Post It Notes

- use low grade recycled types (post it notes cannot be recycled)
- replace with scrap pads








Paper

Buy recycled paper made without the use of chlorine

- TCF**- "totally chlorine free" paper produced from virgin pulp that has been bleached without the use of chlorine
- ECF**- "elemental chlorine free" paper produced from virgin pulp that was bleached using chlorine compounds rather than elemental chlorine.
- PCF**- "processed chlorine free" this term is reserved for recycled content papers. The post-consumer fibre, bleached with chlorine for its first use, has not been re-bleached with chlorine compounds






Office Items (1)

Batteries

- Use mains
- Use long life
- Dispose of correctly

Computers & Consumables

- Toner 90% of mass in cartridge
- Use remanufactured types
- Return old cartridges
- Recycle old computers








Office Items (2)

Photocopiers

- Remodelled
- No solvents
- No CFC depleting substances
- Energy compliant
- Zero landfill design






Set a Good Example

Are you the "champion" of environmental issues in your office?

Do you always strive to "practice what you preach"?

If you don't - then don't expect colleagues to pay any attention to you!







Sources of Further Advice

Enviowise Tel: 0800 585794
<http://www.enviowisewales.org.uk/>

Carbon trust Tel: 0800 585794
<http://www.carbontrust.co.uk/energy>

Chartered Institute of Purchasing & Supply (CIPS)
www.cips.org

Sustainable Government
<http://ww2.defra.gov.uk/environment/economy/purchasing/>

European Commission
http://ec.europa.eu/environment/gpp/toolkit_en.htm

Directories of Suppliers
Directories of Products






Summary



- Put in place a policy
- Purchase re-useable products
- Purchase recycled content products
- Use environmentally friendly materials
- Eliminate, Reuse and Recycle in that order
- Ask the Questions of suppliers, contractors and purchasers



Questions

