

Reducing water and effluent costs: help from Envirowise and the WTL

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Envirowise

Agenda

- Issues and drivers?
- Envirowise
 - who, what and how
 - The Big Splash
- The WTL: Tax relief on water saving technologies

So what is the issue?

All businesses

- Use resources inefficiently
- Generate unnecessary waste

....and that includes water!

Resource efficiency

- Using materials efficiently is vital to sustainability
- Perception
 - *Environmental improvements always cost money*
- Reality
 - *Environmental improvements could save UK manufacturers £2.9 billion a year*

Drivers to reduce consumption

- Increasing cost (supply and disposal)
- Legislation
- Availability

What are the options?

- Understand what you use and where
 - Measure to manage
 - Water balance
- Reduce water use
 - Start with simple low cost initiatives
 - Measure successes
- Consider reuse / recycling

Always reduce water use before looking
at effluent reduction/treatment
methods

Envirowise

- Help companies improve their resource efficiency and their competitiveness
- Sponsored by DTI & Defra

Underlying Philosophy

- Reduction and elimination of waste and pollution at source.
- Replication of good practices and encouragement of better ones.

Coverage

- All industry and commerce
- Two permanent themes:
 - Waste Minimisation
 - Resource efficiency
- Areas of special attention
 - Industry sectors
 - Pollutants or issues

Envirowise savings

- Saved UK businesses over **£1 billion** since 1994
- Increasing at a rate of about **£225m/yr**
- Helped UK business save over **£40 million/ year** through reduced water use and effluent generation

Available help

- Helpline (0800 585794)
- IT tools
- Publications
- Workshops & events
- *FastTrack* visits
- Website www.envirowise.gov.uk

- The Big Splash – Water challenge



The big splash

The Big Splash

- Challenge to encourage industry to review their water use and take action
- Launched July 2004
- Open to all (large and small)
- Recognition for best performing companies

How it works

- Register interest
- Return registration form
- Undertake water saving activities and initiatives
- Submit entry form detailing savings etc
- Starter pack provided
- 'Buddy' Assigned
- Provide tailored information / advice
- Recognition of achievement

Envirowise support

- Envirowise 'Buddy'
- Initial on-site review
 - Identify areas with greatest opportunities for cost savings
- Tailored packages of information
- Regional workshops / events
- Helpline

Story so far...

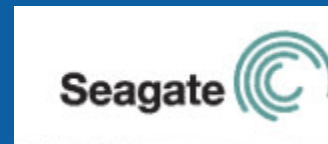
- Over 1,500 organisations requested starter packs
- 147 registered
- 73 site visits undertaken

Who are we working with?

Honeywell



halfords



Issues identified

- Excessive domestic use
- On-site water leaks
- Water running straight to drain
- Operator problems
- Non compliances / illegal discharges
- Billing issues

Cost savings?

- £1.75 million potential cost savings already identified
- Now working with the co's to realise these savings
- So c'mon dive in!

www.envirowise.gov.uk/bigsplash



The ECA Scheme

- What is the ECA scheme
- What it means for businesses
- The Water Technology List (WTL)
- The future
- How to find out more

The ECA Scheme - Aims

To encourage **businesses** to **invest** in more sustainable water **technologies**

- By providing fiscal incentive to users and
- By providing a marketing tool for manufacturers, thereby encouraging innovation

The ECA Scheme - background

- Announced by Chancellor in 2001
- Developed by Defra and Inland Revenue in association with Envirowise
- Energy Technology List

The ECA Scheme: Businesses

ECAs provide:

- Fiscal Incentives
- Tax relief within one year

How much of an incentive is it?

- Capital Allowances - £7.50 for every £100 spent (1st year) and £12 for a SME
- 100% First Year Allowances (or ECAs) - £30 for every £100 spent
- All allowances due in first year
- Further benefits over 10 years

How much can businesses claim?

- The price paid for a new product
- Costs directly associated with the installation of the kit

Claims can be made only for products appearing on the Water Technology List at the time of investment

How to claim

Claim your ECA as part of your normal income /corporation tax return calculations:

Section 5: Claims for capital allowances and details of balancing charges You

You must complete this section if you want to claim capital allowances. You should also show balancing charges taken into account in Section 3 or 4 calculations. Show details of qualifying expenditure on which writing-down allowances may be claimed, even if you do not want to claim any allowances for this period. See note 25.

Notice of expenditure on machinery and plant *See note 25*

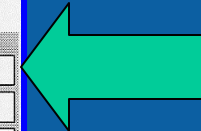
81	Expenditure on which first year allowance is claimed	81	£	<input type="text"/>
82	Qualifying expenditure on long-life assets	82	£	<input type="text"/>
83	Qualifying expenditure on other assets	83	£	<input type="text"/>

Charges and allowances included in calculation of trading profits or losses

	Balancing charges	Capital allowances
84 - 85 Cars <i>Including leased out and 'expensive' cars</i>	84 £ <input type="text"/>	85 £ <input type="text"/>
86 - 87 Machinery and plant - long-life assets	86 £ <input type="text"/>	87 £ <input type="text"/>
88 - 89 Machinery and plant - other assets	88 £ <input type="text"/>	89 £ <input type="text"/>
90 - 91 Industrial buildings and structures <i>Including qualifying hotels, and commercial buildings and hotels in enterprise zones</i>	90 £ <input type="text"/>	91 £ <input type="text"/>
92 - 93 Other charges and allowances <i>For example agricultural buildings, mineral extraction, scientific research, patents</i>	92 £ <input type="text"/>	93 £ <input type="text"/>

Charges and allowances not included in calculation of trading profits or losses

	Balancing charges	Capital allowances
94 - 95	94 £ <input type="text"/>	95 £ <input type="text"/>



The Water Technology List

Water Technology Product List

- Launched on 6th November 2003
- Lists all qualifying products
- Updated monthly

Over 300 products listed on the
WTL

Qualifying Technologies

- Meters and monitoring equipment
- Flow controllers
- Leakage detection equipment
- Efficient toilets
- Efficient taps
- Rainwater harvesting equipment

The Future

- Scope continually being expanded
- Development of water quality/pollution prevention technologies
- Technologies not listed on the WTL

Technologies currently being considered

Subject to Ministerial approval:

- Cleaning in place equipment
- Efficient showers
- Membranes filtration processes
- MBRs

Subject to EC State Aids approval:

- Closed transfer systems
- Efficient Irrigation

How to find out more

- Visit the ECA website
- Call the Environment and Energy Helpline:
 - Free advice from experts
 - 0800 585794

Other sources of Useful Information



www.defra.gov.uk



www.inlandrevenue.gov.uk



www.envirowise.gov.uk

Environment and Energy Helpline

0800 585794

Any Questions??