

**SCOTTISH SUSTAINABLE CONSTRUCTION FORUM**

**Held on**

**FRIDAY 10 JUNE 2005**

**at**

**DUNDEE CITY COUNCIL**  
**COMMITTEE ROOM 1, 14 CITY SQUARE, DUNDEE**

**Present**

As per attached List

**Apologies**

As per attached List

<b><u>ITEM</u></b>	<b><u>MINUTE</u></b>	<b><u>ACTION</u></b>
<b>1.0</b>	<b>INTRODUCTION</b>  Councillor George Regan, Finance Convenor, Dundee City Council welcomed everyone to the meeting and said it was a privilege to hold the meeting in Dundee City Council.  John Porter thanked Councillor Regan for his welcome. He also extended a warm welcome to all new members and existing members of the Group.  John intimated that the meeting which was to be held in Inverness earlier in the year will now take place on 16 September 2005 in Aviemore. The first meeting in 2006 will be held in Glasgow.  John intimated that additions to the Presenters are John Forbes from WRAP who will give a 5 minute update on a Consultation Paper being developed by the Scottish Executive on setting targets for recycled inputs in Construction and Mac Roberts who will assist Stuart Brown and Bob Anderson in regards to the Presentation on Morgan Academy.	
<b>2.0</b>	<b>PRESENTATIONS</b>	
	<b>2.1 <u>Mike Alcock - Faber Maunsell</u></b>  Mike is Associate Director of Faber Maunsell Multi Disciplinary Environmental Engineering Consultants. Fraser Maunsell are a UK wide company but Mike is based in Edinburgh.  He leads the Waste Management Team, predominantly Landfill Development, Recycling and Waste Strategies and more recently Sustainable Development related projects. Personal interests include Organic Farming and Sustainable Construction and he is currently designing a small straw bale, green roofed Sound Studio for his son.	

Mike stated that his company were given a briefing to build an Environmental Business Park in Belfast and they carried out a Best Practice Review and Market Analysis. One of the basic concepts which came out of the Best Practice Review was the concept of Eco-Industrial Parks.

Some issues came out e.g., Sustainable Construction of central facility -

Examples of wider opportunities for addressing "sustainability" identified by Client

- › Sustainable construction of central facility
- › location next to Planned Waste Management Facility
- › electricity generation from landfill - waste heat

Identified by Study

- › construction waste
- › park and ride
- › household waste recycling facility
- › adjacent business park

Other Issues/Problems

- › dirty industries creating an undesirable environment
- › creating a desirable environment
- › annual growth or encouragement
- › flexibility
- › building quality

Mike stated that if anyone wanted to go down the route of building an Environmental Business park they would require to look at either:-

- › a purpose built Business Park: cluster
- › develop an existing Business park
- › Encourage business to change behaviour by cherry picking various concepts
- › Start somewhere - every little helps

This presentation will be available on the Forum's website shortly.

JP asked for questions.

**Question**

Did the low carbon design initiative have an input into this ?

**Answer**

Mike stated they were aware of it but had no input to it.

**2.2 Brian Menzies - EnviroCentre**

Brian Menzies is a Regional Manager and Senior Environmental Consultant at EnviroCentre.

He also managed the development of the *Demolition Protocol and Resource Sustainable Communities (RSC)*.

The Protocol provides guidance to planning authorities and project teams on the potential to specify and purchase demolition recycle in the new build.

The RSC project provides guidance on the design of waste management infrastructure for new developments, with respect to ensuring that sustainability is built into the design.

Brian also managed a *Capacity Building* Project for WRAP to inform the development of the AggRegain Programme to establish attitudes to purchasing and specifying recycled/secondary aggregates.

Brian stated that RSC was launched in March this year and they are trying to integrate the process of good practice. They are in some discussions with Local Authorities and how they can incorporate this into planning guidance.

They look at new developments with the perspective of putting in water utilities and electric utilities but do not look at waste management utilities.

They are to implement the Protocol in London and Leicester and are hoping to implement this elsewhere in the future.

#### Aims

- To support the implementation of Sustainable Waste Management Plans. They support the initiative of Eco-Industrial Business Parks.
- To create implementing mechanisms through supplementary planning documents.
- To provide a Green Toolkit for Developers.
- To support regional policy development - Regional Spatial Strategies (England only).

#### Key Questions

- How should it support the development of communities for Sustainable Waste Management ?
- is it being utilised as effectively as it could be ?
- What is stopping this from happening ?
- What do we need to do to change this ?

#### Implementation of the Code Through the Planning Process

The first stage is design - good element is the Code of Practice within that design.

Detailed Planning Application - this is considered by a combination of Planning, Waste Sustainability Departments/Authorities.

Consideration, discussion and agreement on Planning Conditions - Planning Conditions/Agreement developed for waste management infrastructure features. This information can be downloaded from the EnviroCentre Website.

The checklist is made up of 10 waste design principles.

Some work has been carried out in Belgium, Germany, England and Wales in regards to Bring Sites. It was noted that the UK Bring schemes are far below the best practice scenario seen in Europe.

There are a number of developments :

Cardiff SPG Waste Collection and Storage Facility  
West Berkshire SPG No 15 Siting of Bottle Banks or similar recycling facilities  
Dundee has a waste facility which is underground. This is the Iceberg underground recycling system from Sulo. A trial site, using a system which is hydraulically operated, has been installed in a car park. Everything is underground except for the capstan which is above ground level. Further information on the system can be obtained from the following website:-  
[www.sulo.com](http://www.sulo.com)

The way forward for RSC is for developers to adapt the Tool Kit described in the Code.

This presentation will be available on the Forum's website shortly.

JP asked for questions.

**Question**

Have you found any resistance from Planning Authorities when compiling zone plan of Recycling Centres ?

**Answer**

In terms of construction and demolition, this has not resulted in the need for Demolition and Waste Centres. There is a centre in Wembley as the infrastructure is there. It comes down to policy. If you have the basis of a policy to make this happen the process might not be so painful.

**Question**

Transport nodes - who operates those ?

**Answer**

The Planning Policy is a key part of this. Will be commercially operated but encouraged through the Planning System.

**2.3 John Forbes - WRAP**

John is the Scotland Liaison Officer for WRAP, the Waste and Resources Action Programme, where he is responsible for maximising the benefits of this UK wide programme to Scotland. Previously, John worked for Midlothian Chamber of Commerce and Enterprise where he was responsible for the development and management of the Business Environmental Partnership. He is to speak in regards to the Consultation Paper.

One of the challenges is to find markets for these materials. WRAP is set up to look at the use of recycled materials. It was noted 420 million tonnes of material is consumed each year throughout the UK. There are good opportunities for many of the materials, especially those used in construction.

WRAP have looked at other projects e.g., Schools, Primary Care Centres etc.

The Scottish Executive has a commitment to enhance the use of recycled products. They are to produce a Consultation Paper in regards to same.

Seminars/Workshops -

- Business Practices - Glasgow, 17 June 2005.
- Design - Glasgow - Glasgow, 27 September 2005.
- Construction - Glasgow, 28 October 2005

They have also produced a whole range of publications. These are all available from their website.

They have a framework of consultants who can work along with you in regards to recycling materials. This information can be found on WRAP's website - [www.wrap.org.uk](http://www.wrap.org.uk)

This presentation will be available on the Forum's website shortly.

**2.4 Barry Neilson - The Chartered Institute of Building in Scotland (CIOB)**

Barry is Regional Director for the Chartered Institute of Building in Scotland which is the professional body for Managers in Construction and Built Environment.

He is a Chartered Engineer and former Depute Director of NHBC Scotland. Some years ago the CIOB launched some workshops in regards to 'Change on our Sites'.

The CIOB in Dundee has extremely good relations with Dundee City Council. There are annual meetings with the Lord provost and the team involved with construction.

An Award for Excellence in Construction was initiated with Dundee City Council and this commenced with the consideration of KPI's. To determine which organisation/contractor would be eligible for the award they looked at their KPI's in regards to Health and Safety and Public Risk Management.

Council employees were permitted to put forward recommendations in regards to projects which they felt were operating beyond what was expected.

Five awards were given which included a Demolition Contract and Repair and Maintenance Contract. It had to be shown that the project was -

- highly managed
- Health & Safety and welfare was paramount
- recycling of materials was a big factor

Site visits took place to assess the Contractors e.g., housekeeping issues, etc.

The demolition project Contractor spent a year working on the Health & Safety issues of the project which was to demolish 5 multi storey buildings. The demolition itself took only 75 seconds. 98% of the materials on the site were recycled.

On the more general projects they looked at the storage of waste materials and how these were separated along with the Health and Safety of the people on site and off site.

#### Effect of Awards

- Award Ceremony took place
- Both small and large organisations were successful
- Encouraging Best Practice e.g., because people are seeing other people getting Awards this encourages other people to do things properly.

The CIOB is an international body and they are hoping to extend this initiative to other parts of the country.

Barry intimated that any other Council wishing to take up this challenge should contact the CIOB who would be willing to work closely with them. Anyone wishing to do so should contact Barry in the first instance at [bneilson@ciob.org.uk](mailto:bneilson@ciob.org.uk)

JP stated that Dundee City Council were more than willing to take part in this initiative and that the scheme will continue on an annual basis.

#### Questions

Is there a published list of the contractors who won the awards ?

#### Answer

Barry stated that as there are only 5 successful contractors at present these have not been listed but maybe in the fullness of time this will be put on their website and Dundee City Council Website.

John Porter suggested Barry add the list of winners to his Presentation and this will be put on the SSCF Website.

This presentation will be available on the Forum's website shortly.

## **2.5 Martin Squibbs - CIRIA**

Martin is Associate Director of CIRIA.

Martin gave an awareness of CIRIA on what it does and what it means.

He stated that their publications are often benchmarks in the industry and that sustainability is very high on its Agenda. It is an organisation for collaborative research. Any surplus monies it makes in its activities it ploughs back into its research.

Experts in the field are asked to review the Publications prior to them being signed off.

It focuses on collaboration and by bringing academics together. Ideas are developed by/through Advisory Panels. Martin intimated that 5 Advisory Panels are currently sitting and one of these is an Environment/Sustainability Panel.

The Research Process comprises the following:-

- › Need
- › Funds
- › Steering Group
- › Contractor
- › Research
- › Sign off
- › Publish

One of the strengths of CIRIA are its learning networks.

CIRIA's reach -

- › about 50 current projects
- › produce approximately 30 publications per year
- › Newsletter distribution
- › Open workshops, seminars, conferences (80-100 events per year)
- › Website - 100K visits per month

An office has been set up in Scotland and this is CIRIA's first non-London office. It is accommodated at University of Dundee. A grant has been received from Scottish Enterprise Tayside.

Services to date include Networks; Best practice guides - info for designers; Best practice guides - site; Training packs (Waste, Biodiversity); Web site ([www.engageweb.org](http://www.engageweb.org)); Benchmarking Club - Pioneers; Training Delivery

This presentation will be available on the Forum's website shortly.

### **Questions**

None.

## **2.6 Stuart Brown, Bob Anderson, Mac Roberts - Dundee City Council Partnering, Sustainability and Regeneration Morgan Academy Reinstatement and Baxter Park Restoration**

Stuart is a Principal Quantity Surveyor with Dundee City Council, Architectural Services Division.

He is involved in Project Management, Partnering Facilitation, Planning Supervision and Asset management Planning.

Stuart has also set up, and is Manager, of the Environmental Management System for the Architectural Services Division. The system is certified to ISO:14001 and was the first EMS in any Scottish Local Authority to achieve this.

Bob is a graduate of the local School of Architecture. He is a Senior Architect with Dundee City Council Architectural Services Division.

He is a member of the Environmental Management Team who are responsible for ensuring that the department's various commitments to sustainable construction are progressed and maintained in accordance with the division's accreditation to ISO14001.

Mac is a Quantity Surveyor, Project Manager and Planning Supervisor with Dundee City Council, Architectural Services Division. He has worked in Local Authority for the past 16 years, the last 7 years as Project Manager.

He was Project Manager on the successful Morgan Academy Restoration and is currently Project Manager on Baxter Park Restoration and McManus Galleries upgrade.

Stuart intimated the major part of the Presentation was the Video.

The strategy was to maintain the Morgan Academy as a landmark building. The building was partially destroyed by fire in 2001. This is a Grade 'A' Listed building and a landmark building in the city. It has numerous sustainable initiatives combined within the restoration.

Baxter Park is being reinstated to its former condition through funding by Dundee City Council, Historic Scotland and Heritage Lottery.

### **Morgan Academy**

#### **Question**

How do Sun Pipes work ?

#### **Answer**

They bring light to areas which cannot have windows and can go down 3 storeys. These are 450dia to 1m dia.

#### **Question**

Cost Control - not much evidence of scrimping and saving ?

#### **Answer**

It wasn't a major problem. The Loss Adjuster was very supportive and we were able to get good stonework contractors.

#### **Question**

Any contingencies in the project ?

#### **Answer**

The difference between the target price and the AMP or GMP.

#### **Question**

Was there a specific effort to use this as demonstration work for future craftsmen ?

**Answer**

No.

**Question**

Air Conditioning (geothermal heat pumps) - was this for the whole school.

**Answer**

No, this was only for the central part of the school. There are savings of approximately 24% on Gas costs. Electricity savings are not so good as there are far more computers etc., being used than in the old school.

**Baxter Park Restoration**

**Question**

Are there any sustainable energy measures designed within the park ?

**Answer**

Yes - triple planer glazing with low-e coatings were used within the Park Centre. This is the first time in Europe this has been used.

Timber used was sourced from Scottish Borders and the Cast Iron Railings were reinstated. The original railings were removed during the war and small stubs were left. These were drilled out and cored out and sent for recycling. Recycled Lead from the railings was re-used in the reinstatement of the railings.

The opportunity may arise to have a Bio-mass CHP system for buildings.

It is hoped to have a small restaurant/tearoom in the main Pavilion and these will be generating waste. This will be collected and recycled.

The Leisure and Arts Department have applied to hold Proms in the Park in 2006.

*John thanked the Speakers for their presentations.*

He reminded everyone that the next Scottish Sustainable Construction forum will be held in Aviemore on 16 September 2005.

**3.0 MINUTES OF MEETING HELD ON 22nd OCTOBER 2004.**

The minute of the previous meeting held on 22nd October 2004 was accepted as a true record.

**4.0 MATTERS ARISING**

**4.1 Membership**

John Porter stated that membership from the last meeting has gone up to 173 (138) representing 73 organisations (68) previously.

**4.2 Website Update**

John intimated that further information is required for the Website and any information should be forwarded to Yvonne at -

[yvonne.mchugh@dundee.gov.uk](mailto:yvonne.mchugh@dundee.gov.uk)

**ALL**

#### 4.3 Targets - Questionnaire 2004/05

**John Porter reported that 173 questionnaires were sent out and only 12 have been returned to date. He asked if members who have not returned the questionnaire could do so ASAP as the Scottish Executive requires confirmation that we meet the targets set. (Copy of Questionnaire attached to Minutes)**

Any other targets which members think we should be identifying should be forwarded to John Porter.

#### 4.4 Annual Report

John Porter intimated that this is in the process of being prepared and more feedback from the Questionnaires would assist in this.

The Financial Report is currently with the Director of Finance to Audit and sign off.

Once these have been completed they will require to be sent to the Scottish Executive as per their funding requirements £1500 is our current funding from the Scottish Executive with £1500 available for next year. Officially this is the last year and a further application will have to be made for future years..

#### 4.5 FSC

Dundee City Council are now specifying that 75% of all timber used should be FSC accredited and Contractors require to prove Chain of Custody which means the Contractors themselves require to become accredited. Cannot attain full accreditation of Chain of Custody unless the Contractor is accredited. The 75% target will be monitored over the next year.

It was noted there is no shortage of FSC timber, however proving Chain of Custody is the more difficult.

John stated that they have prepared a list of suppliers who they know can supply 100% FSC timber and included this in their contract documentation.

It was noted that all Scottish Forests are accredited.

Dundee are also specifying in all of their projects that 75% of waste produced requires to be recycled and they have 5 Contractors whose Recycling Policy meets the Council's requirements.

#### 4.6 Bio-Diesel

John Porter asked if anyone was looking at this. Sandy Dawson of Clackmannanshire Council intimated that their Transportation department is looking at Bio-diesel for use in their vans.

Pete Goldie of Dundee City Council Waste Management department is also looking at this.

John Porter stated that an enquiry had been received from one of their Elected Members in regards to specifying white boards in the teaching classrooms. These are supposedly a hazard with people who have dyslexia, visual impairment, autism, etc. John has since checked with the Health & Safety Executive who stated they do not have any problems with this type of board.

#### 4.7 Micro Renewables

It was noted the Scottish Executive are producing a Planning Advice Note (PAN) on Micro Renewables and this will be issued in the Autumn. (Possible Presentation)

#### 4.8 New Initiatives

None identified.

### 5.0 **ANY OTHER BUSINESS**

#### 5.1 Disability Discrimination Act (DDA)

Steven Brown noted that the footbridges adjacent to the Olympia Centre in Dundee are being demolished shortly, however it was noted that a visitor, with disabilities, from Leicester had reported that he could not negotiate the ramp of the footbridge because it was too steep. It was suggested that consideration should be given to this in any future designs.

#### 5.2 Foreign Workers

There appears to be some debate in regards to use of foreign workers and their obligation to speak English and the question was raised, is this a Health and Safety hazard on construction sites. It was noted that on some occasions there is an interpreter supplied with foreign workers.

#### Forthcoming Seminars

Summer Solstice Seminar (SUST)	21 June 2005, Bellahouston Park, Glasgow
Water, Sewage and Waste Exhibition	30 June 2005, Glasgow Moat House

### 6.0 **FUTURE PRESENTATIONS/SPEAKERS**

#### **Speakers for the next/future Scottish Sustainable Construction Meeting**

Una Lee has suggested she give her Presentation on 'Designing for Sustainability in the Highlands' at the Aviemore meeting.

It was suggested that someone from the Scottish Executive be invited to the next meeting to give a talk on the Consultation Paper in regards to setting targets for use of recycled inputs to construction. It was also suggested someone from the Scottish Executive be invited to give a Presentation on Funding.

Suggested that someone from the Building Standards Agency be invited to give a presentation on 'Change to Regulations'.

It was noted Elaine Morrison, SCARF, is willing to give a presentation at the next meeting in Aviemore on the 'Dundee Sun City' initiative.

John Porter stated he had received correspondence from Alistair Fuad-Luke intimating that he would be delighted to come and speak to one of the meetings on his 'Eco Design Handbook'.

Suggested a speaker be invited to the Glasgow meeting to give a Presentation on 'Green Roofs'.

Suggested Community Self Build Scotland be asked to give a Presentation.

David Moon of WRAP is willing to give a presentation at the Glasgow meeting.

Ritch Howarth from Forest Programmes in England and Wales wishes to give a Presentation.

## 7.0 DATE OF NEXT MEETING

The next meeting will be held on the **16th SEPTEMBER, 2005** at Aviemore.

Venue for February 2006 meeting – Parish Halls, Glasgow - 24 February 2006.

A venue is still required for the June 2006 meeting. Anyone wishing to offer a venue for this meeting should contact John Porter.

**Please Note :** Copies of the presentations will be available shortly on the SSCF Website - [www.sscforum.org.uk](http://www.sscforum.org.uk)

John Porter thanked everyone for attending.

### Distribution

All Forum Members  
Councillor Julie Sturrock  
Director of Support Services  
Chief Executive  
A Anderson, ECPD  
Councillor Jill Shimi  
Ken Laing  
Mike Galloway  
Anne Wilson

cc Councillor George Regan  
Councillor Fraser McPherson

<p><b>N.B. PLEASE FORWARD ANY AGENDA ITEMS FOR NEXT MEETING</b></p>
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JP/YM  
14 June, 2005

# **SCOTTISH SUSTAINABLE CONSTRUCTION FORUM**

**FRIDAY 10 JUNE 2005**

**COMMITTEE ROOM 1, 14 CITY SQUARE, DUNDEE**

## **LIST OF ATTENDEES**

	<b>NAME</b>	<b><u>LOCAL AUTHORITY/ ORGANISATION</u></b>
1	John Porter (Chairperson)	Dundee City Council (Arch Serv Div)
2	Yvonne McHugh (Secretary)	Dundee City Council (Arch Serv Div)
3	Craig Muir	Dundee City Council (Arch Serv Div)
4	Neil Gaunt	Dundee City Council (Arch Serv Div)
5	Andy Kidd	Dundee City Council (Arch Serv Div)
6	Pete Davidson	Dundee City Council (Arch Serv Div)
7	Bob Anderson	Dundee City Council (Arch Serv Div)
8	Stuart Brown	Dundee City Council (Arch Serv Div)
9	Karen Clifford	Dundee City Council (Leisure & Arts)
10	Hamish Campbell	East Renfrewshire Council
11	Ronnie MacDonald	West Lothian Council
12	David Congreve	Angus Council
13	Jim Cownie	Angus Council
14	Ken Brown	Angus Council
15	Dorothy Wilson	Dundee City Council (Arch Serv Div)
16	Alan Traghman	Dundee City Council (Arch Serv Div)
17	Graham Hutchison	Dundee City Council (Arch Serv Div)
18	Colin McIntosh	Dundee City Council (Arch Serv Div)
19	Sandy Dawson	Clackmannanshire Council
20	John Rathsen	Scottish Executive
21	Christine Stewart	SCARF
22	Karen McKay	Abertay Centre for Env/University of Abertay
23	Elaine Morrison	SCARF
24	Tom Foley	NHS Tayside
25	Andy Marnie	South Ayrshire Council
26	Alistair Smillie	The Moray Council
27	Doug Duncan	Mansell
28	Willie Mahoney	Perth & Kinross Council
29	Rowenna Wallace	Dundee City Council (Env Health & Trading Standards)
30	Heather McQuillan	Dundee City Council (Housing)
31	Caroline Wilson	City of Edinburgh Council
32	John Forbes	WRAP
33	Paul Martin	Scottish Waste Awareness Group
34	Colin Kerr	Scottish Waste Awareness Group
35	George Hay	East Lothian Council
36	Steven Brown	Dundee City Council (Engineers)
37	Amanda Waugh	Glasgow City Council

<b>38</b>	Chandra Bhakuni	University of Dundee
<b>39</b>	Gregor Brown	Scottish Building Standards Agency
<b>40</b>	Iain Connelly	Fife Council
<b>41</b>	Mac Roberts	Dundee City Council (Arch Serv Div)
	<b><u>SPEAKERS</u></b>	
	Martin Squibbs	CIRIA
	Mike Alcock	Faber Maunsell
	Brian Menzies	EnviroCentre
	Barry Neilson	The Chartered Institute of Building (CIOB)

## **PUBLIC SECTOR SUSTAINABLE CONSTRUCTION GROUP**

**MEETING – FRIDAY 10 JUNE 2005**

### **Apologies**

John Anderson	Dundee City Council
Roz Artis-Young	Scottish Lime Centre
Ken Bamborough	The Highland Council
Colin Sinclair	The Highland Council
David Banks	Tayside University Hospitals Trust
Lindsay Cowan	Mansell
David Duncan	Dundee City Council
Elharam Mohamed	University of Dundee
Neil Ferguson	Western Isles Council
Fromow Sera	Aberdeenshire Council
Ian Gilzean	Scottish Executive
Sheena Jamieson	SEPA
Catherine Lloyd	Tayside Biodiversity Co-ordinator
Vicky McKenzie	East Dunbartonshire Council
Hugh Muschamp	Lothian and Edinburgh Environmental Partnership
Derek Nelson	Forestry Commission Scotland
Raymond O'Donnell	South Ayrshire Council
Merv Penman	Perth & Kinross Council
Brenda Roddy	Falkirk Council
Ralph Shackleton	Halcrow Group Ltd
Ian Simpson	University of Abertay Dundee
Ken Smith	Scottish Executive
Julie Sturrock	Dundee City Council
George Tarvit	Sustainable Scotland Network
Ian Walker	Communities Scotland
Iain Wolstenholme	Aberdeen City Council

JP/YM  
14.06.05

**SCOTTISH SUSTAINABLE CONSTRUCTION FORUM**  
**QUESTIONNAIRE TO ASSESS TARGETS FOR 2004/05**

**COMPLETED BY (Name):**

**LOCAL AUTHORITY/ORGANISATION:**

1.0	Does your Organisation have an Environmental Policy in Place	<input type="text" value="YES / NO"/>																														
	If not are you considering this	<input type="text" value="YES / NO"/>																														
2.0	Does your Organisation have a Sustainable Development Guide in Place	<input type="text" value="YES / NO"/>																														
	If not are you considering this	<input type="text" value="YES / NO"/>																														
3.0	Does your Organisation have a Sustainable Construction Policy	<input type="text" value="YES / NO"/>																														
	If not are you considering this	<input type="text" value="YES / NO"/>																														
4.0	Do you hold Accreditation to ISO:1400 (Environmental Management System)	<input type="text" value="YES / NO"/>																														
	If not are you considering this	<input type="text" value="YES / NO"/>																														
5.0	Do you hold EMAS Accreditation (Eco-Management and Audit Scheme)	<input type="text" value="YES / NO"/>																														
	If not are you considering this	<input type="text" value="YES / NO"/>																														
6.0	Have you implemented any of the following initiatives in the past year or are you intending to implement in the next year :- Please ✓	<table border="1" style="border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">03/04 ✓</th> <th style="padding: 5px;">04/05 ✓</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">Solar Water Heating</td><td></td></tr> <tr><td style="padding: 2px;">Solar Heater</td><td></td></tr> <tr><td style="padding: 2px;">Photovoltaics</td><td></td></tr> <tr><td style="padding: 2px;">Wind Turbines</td><td></td></tr> <tr><td style="padding: 2px;">Certified Timber</td><td></td></tr> <tr><td style="padding: 2px;">Site Waste Management</td><td></td></tr> <tr><td style="padding: 2px;">Recycling Waste</td><td></td></tr> <tr><td style="padding: 2px;">Sustainable Audits</td><td></td></tr> <tr><td style="padding: 2px;">Sun Tubes</td><td></td></tr> <tr><td style="padding: 2px;">Heat Pumps</td><td></td></tr> <tr><td style="padding: 2px;">Recycling Grey Water</td><td></td></tr> <tr><td style="padding: 2px;"> </td><td></td></tr> <tr><td style="padding: 2px;"> </td><td></td></tr> <tr><td style="padding: 2px;"> </td><td></td></tr> </tbody> </table>	03/04 ✓	04/05 ✓	Solar Water Heating		Solar Heater		Photovoltaics		Wind Turbines		Certified Timber		Site Waste Management		Recycling Waste		Sustainable Audits		Sun Tubes		Heat Pumps		Recycling Grey Water							
03/04 ✓	04/05 ✓																															
Solar Water Heating																																
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Wind Turbines																																
Certified Timber																																
Site Waste Management																																
Recycling Waste																																
Sustainable Audits																																
Sun Tubes																																
Heat Pumps																																
Recycling Grey Water																																
	<i>Any Others Please Specify:-</i>																															
7.0	If you have been involved in the outcome specifications for PPP, which standards did you use in relation to Sustainability e.g., Own, English, Other	<input type="text" value="Own / English/ Other"/>																														

**PLEASE RETURN THIS FORM BY E-MAIL TO**  
[john.porter@dundee.gov.uk](mailto:john.porter@dundee.gov.uk)  
**by 20th MAY 2005. THANKYOU**