

# SCOTTISH SUSTAINABLE CONSTRUCTION FORUM

Held on

FRIDAY 22<sup>ND</sup> OCTOBER, 2004

at SCOTTISH LIME CENTRE, CHARLESTOWN, FIFE

## Present

As per attached List

## Apologies

As per attached List

<u>ITEM</u>	<u>MINUTE</u>	<u>ACTION</u>
1.0	<b>INTRODUCTION</b>  Pat Gibbons, Director of the Scottish Lime Centre Trust welcomed everyone to the meeting and gave a short introduction on the Scottish Lime Centre.  John Porter thanked Pat for her welcome and for providing the venue and hosting the meeting. He also extended a warm welcome to all new members and existing members of the Group.	
2.0	<b>PRESENTATIONS</b>	
2.1	<b><u>David Gordon - Nuaire</u></b>  David is the Area Sales Management for Scotland and has been with Nuaire for 10 years.  The Nuaire Group are a privately owned British organisation and is one of the worlds largest ventilation product manufacturers, with an annual turnover exceeding £30million.  <a href="#">Nuaire Group</a> are proud recipients Of The Queen's Awards for Enterprise and Innovation 2004 for the design and manufacture of energy and carbon saving ventilation products.  Nuaire consider that people's homes and their living environment are critical to the quality of their everyday lives and low energy positive input systems improve indoor air quality, conserve fuel and power, combat fuel poverty to reduce CO <sub>2</sub> emissions.  David gave a presentation on the 'Drimaster' system. This system will give a 25% fuel saving in a normal dwelling. The system has been approved by SCHRI, grants are available for private homes of 30%.  The system is suitable for 'cold roof' or 'warm roof' construction. Can help heat or cool a home throughout the year.  Clinical research has proven that whole home ventilation can play a significant part in controlling dust mite allergens.	

During sunny months when the temperature in the loft space can be excessive, the 'Drimaster' system will sense this condition and automatically move to standby mode.

The 'sun warm' system is the only system with an electronic chip incorporated, to allow the system to be interrogated. The 'sun warm' system is an integrated whole home ventilation, solar heating, air cooling and solar hot water heating system.

**Question**

What maintenance is required on the Drimaster system and how often is it .

**Answer**

The only maintenance required would be that the filter requires to be changed every 5 years.

**Question**

What is the life expectancy of the unit.

**Answer**

The unit should last about 20 years.

**Question**

What is the pay back period.

**Answer**

The pay back period should be immediate.

With the 'sun warm' system the pay back would be 7-10 years.

**Question**

Are there different sizes of systems

**Answer**

No, one size fits all.

**Question**

Will the system run if the doors are open or closed.

**Answer**

The BRE tested the system in a pilot house and they found that it doesn't matter if the doors are open or closed. If you have a kitchen that comes off the living room then you would need an extra grille fitted.

### **Question**

Is the system useful in Childrens Homes etc.

### **Answer**

Yes, it should meet the requirements but check with Building Control prior to installing the system.

e-mail – [david.gordon@nuaire.co.uk](mailto:david.gordon@nuaire.co.uk)  
www.sunwarm.com

## **2.2 Natural Building Technologies – Neil Rodger**

Neil qualified as a Civil Engineer and initially worked on a variety of major civil engineering projects with Tarmac Construction and Laing Construction.

He then moved into the commercial sector and worked for a number of building material producers and is now Sales and Marketing Director of Natural Building Technologies.

He is trying to further NBT's mission to move there range of sustainable building products and systems into the mainstream market.

It should be noted that Natural Building Technologies has the Carbon Trust as one of its main equity investors.

Neil stated that NBT concentrate on the envelope of the building.

NBT are trying to bring manufacturing of these products into the UK, rather than transporting them from the continent.

More information available at [www.natural-buiding.co.uk](http://www.natural-buiding.co.uk)

### **Question**

How would this be viewed by mortgage companies.

### **Answer**

At the present time this is not recommended by the NHBC but mortgage companies will lend provided insurance is available.

## **2.3 Carl Bro – Steve Smith**

Steve retrained as an Energy Engineer in 1996 at Napier University specialising in renewable energy.

He worked as an M & E Engineer in energy efficient HVAC systems. He also worked for several years in the solar thermal industry and now works as an Energy Consultant in Carl Bro Group Ltd.

He has been responsible for the design, specification and project management of CHP and district heating schemes for the University of Edinburgh and Aberdeen, and solar thermal system for Aberdeen City Council and the new Scottish Parliament building and he has carried out various feasibility studies on renewable energy for housing authorities.

He is also a grant assessor for Energy Savings Trust Community Energy Programme.

**Questions**

What would be the break even point.

**Answer**

It would break even in about 7 years.

**Question**

What happens post contract.

**Answer**

Carl Bro would always have an interest in the product. Always looking to get continuous feedback from Clients etc.

e-mail - ssm@carlbro.co.uk

**2.3 John Rennie – Scottish Lime Centre (Natural Paints)**

John is the Technical Advisor for environment conscious building materials and systems i.e. paints, insulation, plasters, blocks at the Scottish Lime Centre Trust. He started life as a painter and decorator and studied mechanical engineering. He has been in the building industry for 20 years.

John gave a presentation on natural paints/plaster etc. He also gave a very interesting practical demonstration of how the lime wash is applied (photos enclosed).

**Question**

Can the paint be applied when the temperature is freezing.

**Answer**

As long as its protected after application, it should be fine.

**Question**

How can you ensure it is applied properly.

**Answer**

Technically using a spray is better, will give you a more even finish.

**Question**

How much does it cost.

**Answer**

Per litre £1.50, you get 4-5 square metres from a litre.

e-mail - JR@CharlestownWorkshops.org

**2.4 The Engineer, The Architect and The Scottish Parliament – Iain Harper/Fiona McNeill (RMJM)**

Iain is a Chartered Engineer with over 20years experience in the design of building services for a full range of industrial and commercial premises.

He is an Associate with RMJM (Scotland) Ltd, a multi-skilled practice of Architects, Building Services and Structural Engineers.

He has a keen interest in low energy design, all of which are exemplified within the new Scottish Parliament, where he has been involved in the last six years, prior to which he had a full head of hair.

Fiona is a Senior Architect with RMJM and is a strong advocator of designing high quality buildings with low energy environments that respond sympathetically to their context.

Fiona worked in collaboration with EMBT on the Scottish Parliament project, formerly on the conversion and restoration of the Grade A listed Queensberry House and latterly as project architect for the interior of the Debating Chamber, she also acted as main point of contact between the Design Team and the Construction Managers to coordinate the interior fit-out of the Assembly buildings.

She is now working with Lauder College in Dunfermline on the early design stages of their new Sustainable Development Centre.

Iain and Fiona gave a presentation on the Scottish Parliament Building.

e-mail - I.Harper@RMJM.com

*John thanked everyone for their presentations.*

He reminded everyone present that the Dundee Sun City Conference is to be held on 12<sup>th</sup> November.

He reminded everyone that the next Scottish Sustainable Construction Forum in Inverness on 25<sup>th</sup> February, 2005.

### **3.0 MINUTES OF MEETING HELD ON 11<sup>th</sup> June, 2004.**

The minute of the previous meeting held on 11<sup>th</sup> June, 2004 was accepted with the following exception.

Iain I Wolstenholme was present at the last meeting.

### **4.0 MATTERS ARISING**

#### **4.1 Membership**

John Porter stated that membership now stands at over 138 from 68 Organisations and it is obvious that the Forum is still attracting interest. If any member knows of anyone wishing to become a member they should contact Yvonne (e-mail address: [Yvonne.mchugh@dundeecity.gov.uk](mailto:Yvonne.mchugh@dundeecity.gov.uk)). There is no charge for joining or participating.

#### **4.2 Website Update**

If anyone has anything they wish to be put on the web-site then inform JP. It was suggested that the Dundee Sun City initiative should be advertised on the site, and also the Sustainable Development Guide when completed.

#### **4.3 Questionnaire Analysis**

This has been circulated to all members.

**ALL**

#### 4.4 Targets for 2004

JP asked for any suggestions on targets.

- *Greater use of certified/FSC timber – 40% usage of certified timber by next year. Agreed*

It was noted that Greenpeace had looked into 10 Lottery funded projects which were not using FSC timber.

It was suggested that this be included in tender documentation.

JP indicated that the problem is verifying chain of custody. DCC are now trying to assess how much FSC timber is used and then increase this over the next few years.

It was suggested that a list of current suppliers of FSC timber be included in the tender documents.

- *Increase number of Sustainable Construction Development Guide – Agreed – Target 50%.*
- *Increased accreditation to ISO 14001/EMS. Agreed – Target 25%*

It was agreed that JP discuss possible targets with ACASLA.

If any one has any further targets they wish included please let JP know.

Agreed targets attached.

#### 4.5 New Initiatives

##### 4.5.1 Sustainable Development Guide

Dundee City Council have now had approval to develop a Sustainable Development Guide. This will be given to all prospective developers in Dundee when finalised.

Hopefully this will be completed by the end of the year.

Dundee have also identified a Janitors House to be used as a demonstration house and is going to develop this as a pilot house for sustainable initiatives. Once completed the house will be open to the public for a year, and used as an educational tool for pupils.

Details will be included on the web site when it has advanced further.

It was noted that East Lothian Council are putting together a guide, looking at quality, by the end of the year. JP to contact Caroline Wilson for further information.

##### Energy Efficiency Fund

It was brought to the meeting's attention that there could be a 30-60% increase in prices.

##### Wind Farms

East Lothian Council has a planning application lodged for a significant wind farm – 56 wind turbines.

ALL

JP/LMcL

JP

### New Masters Programme

JP had circulated information on the new Masters Programme which is starting next year at Dundee University. This will be on regeneration, conservation and sustainable design. Courses will be either part time or full time.

### Recruitment

It was noted by the group that it is becoming very difficult to recruit staff, both on site and office based.

It was suggested that training be promoted wherever possible.

## 5.0 ANY OTHER BUSINESS

### Grey Water

The subject of grey water/rain water harvesting was discussed at length as Contractors have requested guidelines for using grey water for toilet flushing. The issue of Legionnaires Disease is still the main problem with grey water, however further information is being researched.

## 6.0 FUTURE PRESENTATIONS/SPEAKERS

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

JP indicated that he had quite a number of requests from people requesting to come and speak at these meetings. The following were suggestions for the next meeting.

***Fionn Stevenson – Dundee University - JP***  
***BRE – European Directive - KB***  
***GAI – Ref Grey Water /Rain Water Harvesting***  
***(would be useful to have examples) – JP***  
***Bristol City – Sustainable Development Guide – JP***

JP informed the group that Dundee City Council had just finished a video presentation on the Morgan Academy refurbishment. This will be brought to the next meeting.

If anyone has any other suggestions for speakers please let JP know.

**ALL**

## 7.0 DATE OF NEXT MEETING

The next meeting will be held on the **25<sup>TH</sup> FEBRUARY, 2005** at The Highland Council, Inverness.

Venue for June 2005 meeting – Dundee on Friday, 24<sup>th</sup> June, 2005.

***Please Note :*** If anyone wishes copies of the presentations which were made at the meeting please contact Yvonne on 01382 433016 or e-mail [yvonne.mchugh@dundeecity.gov.uk](mailto:yvonne.mchugh@dundeecity.gov.uk).

**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

**N.B. PLEASE FORWARD ANY AGENDA  
ITEMS FOR NEXT MEETING**

JP/GY  
5<sup>th</sup> November, 2004

## **SCOTTISH SUSTAINABLE CONSTRUCTION FORUM**

FRIDAY 22<sup>ND</sup> OCTOBER, 2004

SCOTTISH LIME CENTRE, CHARLESTOWN, FIFE

### **LIST OF ATTENDEES**

	<b>NAME</b>	<b><u>LOCAL AUTHORITY/ ORGANISATION</u></b>
1	John Porter (Chairperson)	Dundee City Council (Arch Serv Div)
2	Bob Anderson	Dundee City Council (Arch Serv Div)
3	Peter Davidson	Dundee City Council (Arch Serv Div)
4	Gillian York (Minute Secretary)	Dundee City Council (Arch Serv Div)
5	Iain Connelly	Fife Council
6	Iain Farquhar	East Lothian Council
7	Liz McLean	East Lothian Council
8	Kevin Kimmins	North Lanarkshire Council
9	Lindsay Cowan	Mansell
10	Doug Duncan	Mansell
11	Ian Cameron	Perth & Kinross Council
12	Sandy Dawson	Clackmannanshire Council
13	David Aird	LASP – SCARF Dundee
14	Alistair Morton	LASP – N&W Isles
15	Ken Bamborough	Highland Council
16	Hugh Muschamp	LASP – LEEP (Edinburgh)
17	Chloe Smee	LEEP (Edinburgh)
18	Caroline Wilson	Edinburgh Council
19	Vicky Mackenzie	East Dunbartonshire Council
20	Sheena Jamieson	SEPA
21	Iain I Wolstenholme	Aberdeen city Council
22	Alistair Smillie	Moray Council
23	Elaine Morrison	SCARF (Dundee)
24	Ronnie Mackenzie	Dundee City Council (Engineer)
25	Ken Laing	Dundee City Council (City Engineer)
26	Ronnie MacDonald	West Lothian Council
27	Pat Gibbons	Scottish Lime Centre

	<b><u>SPEAKERS</u></b>	
	David Gordon	NuAire
	Neil Rodger	NBT
	Steve Smith	Carl Bro
	John Rennie	Scottish Lime Centre
	Iain Harper/Fiona McNeill	RMJM (Scottish Parliament)

## **PUBLIC SECTOR SUSTAINABLE CONSTRUCTION GROUP**

**MEETING – 22<sup>ND</sup> OCTOBER, 2004**

### **Apologies**

Julie Sturrock	Dundee City Council (Councillor)
Mike Lunny	Angus Council
David Duncan	Dundee City Council (Economic Development)
Steven Brown	Dundee City Council (Engineers Dept)
Ken Smith	Scottish Executive
Frank Guz	Dundee City Council
Dorothy Wilson	Dundee City Council
Hamish Campbell	East Renfrewshire Council
Ian Gilzean	Scottish Executive
Linda Sheridan	Scottish Executive
Robert Conlan	Tayside Police
Victoria Wiltshire	Energy Saving Trust
Prof George Fleming	Strathclyde University
Ian Walker	Communities Scotland
Mike Winter	TRL Limited
Sheila Currie	Scottish Natural Heritage
Derek Nelson	Forestry Commission Scotland
David Banks	TUHT Scotland
Raymond O'Donnell	South Ayrshire Council
Andy Marnie	South Ayrshire Council
Neil Reid	Aberdeenshire Council
Mike Porter	Aberdeenshire Council
Brenda Roddy	Falkirk Council
Brian Menzies	Enviro Centre