

## Catering for a Sustainable Future, Group

Hosted by: CESA Avanta, London

21<sup>st</sup> September 2006

### 1. Present:

David Clarke	CDIS-KARM	DC
Janette Hewitt-Allard	CDIS-KARM	JHA
Kerry Burnett	CDIS-KARM	KB
Keith Warren	CESA	KW
Bob Plumb	GWP	BP
Steve Wallace	Hobart	SW
Peter Sage-Passant	Mechline	PSP
Kate Gould	Merritt-Harrison	KG
Mick Jary	Williams Refrigeration	MJ

### Guest Speaker:

Dr. Howard Porter	BEAMA	HP
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### Apologies:

Calton Clarke	CDIS-KARM	CC
Ian Munroe	CEDA	IM
Jackie Snaith	Chapel Foodservice Consultants	JS
Colin Nevitt	Falcon Foodservice Equipment	CN
Andrew Galeckyj	Foster Refrigerator	AG
Vim Hariani	Foster Refrigerator	VH
Phil Gibson	Halton Vent Master	PG
David Ramscar	Installation Design Services	DR
John Eaton	Salix	JE
Chris Hinton	Shine Food Machinery Ltd	CH

### 2. Introduction

BP welcomed everyone to the meeting and thanked them for their time, thanked KW (CESA) for the venue.

BP welcomed Steve Wallace as the Hobart representative to the meeting.

### 3. Minutes of Last Meeting.

BP asked if there were any comments with regard to the last minutes, there being none they were accepted.

ACTION

4. BP advised that the FCSI Board had agreed to support this group with JS reporting back to the board and membership. This confirms that we have the support of the three organisations CEDA, CESA and FCSI.

KW to formerly advise the CESA membership.

Ian Munroe will be the CEDA representative.

FCSI would like a presentation from the Carbon Trust at one of their branch meetings.

5. KW advised a potential issue with the term "Association" as part of our name as this results in being an association of an association, it was agreed to change this term to "Group".

6. Publicity and Objectives.

DC advised he had had a meeting with the Caterer with regard their "Green Month" and they had asked for case study articles on the following to illustrate to the readership that they can refurbish by area not only wholesale:-

Cooking equipment

Cooking range (BP to contact Rouge & Bonnet)

Ventilation

Refrigeration

Dishwashing

DC  
BP  
PG  
MJ/AG  
SW

These need to be submitted first week of October for publication in the third week of October.

DC to co-ordinate all articles.

DC

DC advised that the presentation prepared for the CCFRA had been issued for consideration for the "Aspire" magazine due for issue in October.

BP to contact JS with regard access to Coombes Turner.

BP

DC advised that the Caterer had also asked for a current project that would be considering the various "environmental" issues for an ongoing article. DC had offered a current Navy project, all were in agreement.

DC

The caterer's features department would also like to do an article on CSFG especially with its support from CEDA, CESA and FCSI. DC to find out what information they require and timescales. DC

MJ asked if there would be an opportunity for the group to advertise at Hospitality. It was agreed that we would consider what and how this could be done at the next meeting. ALL

KB asked how anyone would be able to contact us? This could possibly be via a web link on the website of CEDA, CESA and FCSI. KW  
IM  
BP

7. Dr Howard Porter

Dr Porter gave a brief presentation with regard to the work already completed or underway with the carbon trust and energy measurement etc.

They have already run 2 carbon trust projects and smart metering where displaying the usage has helped the owners to see what energy is being used and to take action.

They have seen a 10-15% reduction just by turning off especially overnight.

They see three stages:-  
Short term – Training etc  
Mid term – Equipment efficiency  
Long term – Design.

They have used PRI for the metering equipment who are also used by the military. Smart metering will monitor, store and display and can be individual equipment specific or main source i.e. total usage of electric, gas or water. Monitoring equipment is already available and can have remote data collection, this data can be used in a number of ways; for carbon trust, CSFG benchmarking or the "Guide" document. BEAMA can assist throughout from equipment installation, data collection through to producing reports on the collected data.

In its basic format a system that could monitor Electric, gas and water; data log and communication equipment; installation for a 12 month period is likely to be in the region of £2 -£3k. For more detailed investigation a further £1 – £2k should be allowed dependant on numbers involved.

In addition to the data collected there would be a need to record the meals served information etc.

Within the Carbon Trust grant figure Dr Porter would expect to be able to monitor around 30 establishments.

Any carbon savings that are identified by this measuring will need to be acted upon to realise the savings.

There is a view that one objective should be to have rated kitchens i.e. "A" rated for efficiency with full monitoring and management plan to act on the data etc.

Within the Carbon Trust grant is a requirement for an "in kind" commitment this may be either "cash" or effort, however if in effort this needs to be genuinely demonstrable and the recommendation is that at least part should be in "cash".

Dr. Porter recommended that each site should be monitored for the full 12 months.

BP suggested that after the 12 months the equipment be offered to the client to purchase for continuing the monitoring and action plan to maintain savings.

#### 8. Carbon Trust

KW advised that the proposal is required for January 2007 and that if successful funding would be from April 2007 – March 2008.

Dr. Porter offered his services to help with the proposal, given that if successful we would likely be looking to BEAMA to conduct the monitoring etc. and that they had had two successful bids it was agreed to proceed on this basis.

BP proposed that KW be the key point of contact to head up the bid process, KW was happy to continue with this.

The bid should be defined in carbon saving to assist this 1kW of electric =0.43 carbon and 1kW of gas =0.19 carbon.

Possibly an ultimate objective should be for a "Carbon Free" kitchen?

John Parsons of BEAMA to be invited to the next meeting.

KW

KW suggested that either Dr Porter or John Parsons be invited to address the CESA conference and also to take the opportunity to canvass the CESA membership for donations to create the "in kind" fund. KW to discuss with CESA. KW

Any fund created would need to be held by a limited company, this could be BEAMA as the Project Managers, KW to check with BEAMA. KW

All were asked to consider a realistic figure to ask of the CEAS membership, those contributing could be recognised as such within the guide. ALL

KW to consider a realistic "time in kind" agenda and structure that would satisfy the bid and be realistic in terms of individual commitment. KW

#### 9. Kitchen Monitoring

We need to identify kitchens for monitoring and create a list of potential sites and contacts. Information on any sites to be forwarded to JHA to create a database. ALL

BP is speaking with various hotel chains such as Hyatt, Hilton etc. and is aware that Hilton do already currently monitor some of their kitchens.

MJ has already received some information from Whitbread.

We need to prepare a confidentiality agreement that can be used to satisfy the potential partners that any information gained will not be disclosed.

DC confirmed that the military have 5 or 6 new kitchens that they are to monitor in January/February 2007, these can monitor gas, electric and water which can be used to prove the theory.

KW advised that the caterer may be able to recruit potential customers keen to achieve energy savings.

We need to establish if we are able to use "Client" monitoring data and if this can then be independently verified. One method may be to add our data collection system on to theirs?

BP to speak with Jonathan Doughty with regard to a questionnaire and data sheet comparing covers v energy usage. BP

- DC to issue the benchmark format used for the military for consideration as the "standard" across all sectors. DC
- Schools to be added to the list of market sectors to be measured. BP to speak to Vic Laws and Jonathan Doughty. BP
10. Equipment Measurement
- BP is to meet with Sheffield Hallam research department to investigate independent evaluation. This may also assist in creating a "Testing Protocol" and as an external source give greater credibility. BP
- Hobart and Williams already conduct in house testing and use an external agency. SW to investigate use of this external agency. SW/MJ
- Other suppliers/manufacturers may already have test results which could be issued and these could be audited with external testing to confirm results.
- Would suppliers/manufacturers be willing to issue this information? And have an independent body review their test data?
- PSP to issue data on electronic taps to illustrate potential water savings. PSP
11. Guide
- It was agreed work can commence on developing the guide regardless of the monitoring project.
- BP suggested that PSP speak to JS with regard to the European "Design Guide" that is being prepared by FCSI. PSP
- PSP stressed that the guide needs to remain carefully focused on the energy and environmental issues and that the temptation to drift in to other associated and important areas be resisted or there is a risk that an already major project would become so big and general that it would be never ending.
- BP suggested, given the enormity of the content that this would be best tackled by creating working groups. CESA conference may be an ideal opportunity to recruit assistance on to these groups.

It was agreed that the consultants would already hold a lot of design information i.e. light levels etc. and we need to encourage an environment where this information can be readily shared.

PSP is to contact PG to find out how DW171 and DW172 were physically collated and created and how the legal overview was achieved. PSP

DC commented on the BRE assessment and that this will drill down to the manufacturing process if the relevant points are to be achieved, this information needs to disseminate to the manufacturers.

KB to re-issue PSP document and all to consider which aspects they would be able to work on. ALL

The following working groups were identified and the lead for each group nominated:-

Guide	PSP
Promotions	DC
Finance	
Energy	
Funding	KW
Benchmarking	DC

Sections of the CIBSE guide could be issued to the working parties to assist them. PSP

PSP to contact CIBSE to ascertain the cost of them producing the guide and the information we would need to provide. PSP

## 12. AOB

BP advised that we had received an invitation to take part in the CEDA conference in April 2007.

Next meeting 19<sup>th</sup> October 2006 kindly sponsored by Mechline and to be held at Avanta, London 10.00 am.