

**South East EAUC Meeting**  
**27<sup>th</sup> April 2017 Anglia Ruskin - Chelmsford**

**Minutes**

**Attendee's**

Simon Chubb	Anglia Ruskin University - Environment Manager
Catrin Darsley	University of East Anglia - Environmental Officer
Sarah Johnson	Anglia Ruskin University - Environment and Utilities Officer
Vikki Rees	University of East Anglia - Energy Officer

Chair: Justine Oakes      University Of Suffolk – Sustainability and Environment Manager

**Apologies**

Katherine Middleton	College of West Anglia - Energy and Environment Officer
Clare Palferman	University of Cambridge – Environmental Manager
Alan Wood	University of Oxford – Energy Manager

**Agenda**

10:00 Arrival/refreshments  
10:30 Welcome and introductions  
10:40 Review of previous meeting  
10:50 Energy Management Software (Member Knowledge Transfer)  
12:30 Networking lunch  
13:10 Addressing Fairtrade and Drinks Cups (Anglia Ruskin)  
14.00 EAUC update  
14:10 Next actions and AOB  
14:15 Tour of Anglia Ruskin – Biodiversity and Travel initiatives  
15:15 Close

**1. Welcome and Introductions**

The group took a few moments to introduce themselves and presented updates on the latest Institutional Developments around the broader SD agenda.

**2. Energy Management (knowledge Transfer)**

All Institutes outlined their current positions with respect to some of the methodologies they employ in the management of gas and electricity provision and management. All Institutes operate some version of Trend in most of their buildings.

UEA: VR stated that the UEA are currently looking into new ways of managing energy. As a parkland edge of city site they have only one incoming gas and electricity supply point and run their own sub metering network. There is no system in place at present for storing historic half hour data readings. UEA currently have the second largest Trend system in the UK – with four BMS staff. UEA are exploring transferring the metering off Trend and evaluating energy management packages. That are considering Systems Link

Anglia Ruskin: Also use trend 963 for all the sub meters and use Team to receive all the data. They

have experienced a few problems with the Team software and tried Digital Energy. SC broke the difficulties down into two distinct pathways; with some software systems being strong on M&T and others on billing. Finding a system that can adequately cover both is a challenge. ARU are also currently reviewing energy management systems. Trend is an AMR system, making it difficult to manage energy consumption patterns for specific Campus areas. SC advised that we do not rely on our BMS for meter readings.

VR added that the UEA were also looking at Elcomponent, a cloud based system that links to the Internet, having found that often resetting the Trend controllers loses reads.

UOS: JO stated that UOS were also on Trend, but that it had yet to be fully linked up and was only currently able to display real-time data.

The group additionally discussed:

- Dash displays;
- Heating policies – CIBSE Guidance (passed by Execs by AR);
- Low voltage electric heated floor tiles – This technology is currently being trialed with the flexibility of each solar powered floor tile being heated individually;
- Financial incentive schemes whereby each building can be charged. With individual Schools consumption becoming evident there are evident “carrot and stick” benefits;
- Monthly reports to VC groups to show how energy has been used in each Facility;
- The application of living labs research (UEA have PhD evaluating water consumption);
- Jump and Do Nation – cost attributed;
- Green flats – UEA have 100 students in green flats;
- Student switch off for residential metering – though data is difficult to capture and varies hugely
- Energy Procurement Consortia. ARU and UOS purchase in a consortium, ARU having transferred recently;
- The potential utilisation of Volt Aware - which learns the voltage signature of different items in a property sends info up to the cloud. With users able to view on an App how much energy is being used. Further discussion considered to what extent does information alone reduce consumption. The UEA Chrome Court residential facility has an energy display in every kitchen. However, there is no capacity for follow up data evaluation.

All acknowledge that sub metering would be, at present, the best way to capture data. All agreed the essential requirement for reliable data, for measuring consumption and behavioral change through engagement and access to a greater level of granularity, to ensure quality feedback to both staff and students

### **3. Fair trade and Coffee Cups**

ARU outlined their successful waste minimization Keep Cup project. Please see attachment for product details. Following a procurement investment of £6000 for 990 branded units, they have been retailing the products at £8 for glass and £6 for recycled and recyclable plastic. Each Keep Cup user receives a 15p reduction for drink purchased within SU outlets. There are excellent Health and Safety assurances and testimonials from Kings and Edinburgh Universities. After having used an individual Cup 15 times, the embodied energy is recovered. Some excellent environmental

awareness Campaigns have been launched to promote the cups.

- Global Week, an event run with international students showcasing their food and cultures, engaged with the launch;
- 'Take a Mug Shot - What's in my Keep Cup' run by the social media team;
- Give Away promotion of 10 cups distributed to Execs members to take to meetings was also implemented. With recipients asked to tweet about them.

The group was informed that the University of Canterbury use the money from the discounts on their cups to go back into the University for small pots of environmental project funds.

The group explored the uptake of Fairtrade products across Campus; including Fairtrade sustainable purchasing groups. Broad considerations were raised upon on the ethics of Costa outlets Campus and Nairobi, an ethical competitor. SC discussed a contact that ARU have whereby coffee beans could be purchased from a direct seller, on a single farm. However, it was felt that fluctuating coffee procurement may then leave the Farm vulnerable to a variable ARU contract, raising concerns around social responsibility.

A discussion around engagement in general then took place. With the group agreeing that true engagement must be a two way interaction. CD vocalised the challenges associated with measuring successful engagement. She suggested monitor social media to capture it, in addition to events, workshops and surveys.

#### **4. EAUC Update**

**See Attached sheet from EAUC**

#### **5. Campus Tour**

Many thanks to Simon and Sarah for a lovely lunch and concluding the meeting with a very interesting tour of the Campus. Highlight projects included:

- The biodiversity area's which have been managed to good effect and now encourage a wide range of species diversity and create welcome spaces for staff to relax;
- The Cycle sheds and associated promotions. Rain seat covers, a bicycle repair station and lockers;
- Bubble and chewing gum 'bubble bins', made from recycled gum and located across campus to reduce litter.

**Date of Next Meeting: TBC**