

Warwickshire Energy Managers Forum
5 March 2009

Present: Bill Johnson (Chair) (BJ) – Warwickshire County Council
David Jullien (DJ) – Act on Energy
Emma Clarke (EC) – Warwickshire County Council
Balbir Bassi (BB) – Rugby Borough Council
John Sweeney (JMS) – Nuneaton and Bedworth Borough Council
Charlotte Phillips (CP) – North Warwickshire Borough Council
Chris Jones (CJ) – North Warwickshire Borough Council
Clive Hadfield (CH) – Hadfield Associates
Alan Beresford (AB) – Eco Cooling Limited
Jo Pierson (Minutes) (JP) – Nuneaton and Bedworth Borough Council

Apologies: Brent Davis – Nuneaton and Bedworth Borough Council
Joel Cardinal – Warwickshire University
Jackie Lawrence – Warwickshire County Council
David Collins – Rugby Borough Council

ITEM	DETAILS	ACTION
1.	<u>Minutes of Previous Meeting and Matters Arising – 4 December 2008</u>	
1.1	The previous minutes were agreed as a true record.	
1.2	(Item 2.1) – BJ has not seen GP since the last meeting. Ideally need a representative from the Health Service at future meetings.	
1.3	(Item 2.3.1) – SALIX Funding – If anyone wants to see Warks DC successful application please contact JL. At the last meeting DC requested to see the application.	ALL/DC
1.4	(Item 2.4) - Voltage Optimisation – JMS informed the meeting that NBBC are currently taking two directional operational routes for Voltage Control: Option 1 - a consortium of 44 Council's in the north west region have an approved tendering document for PowerPerfector. JMS has not had an indication yet whether it has been successful, but it's imminent. We (and any other north west regional Council) can then legally jump onto their framework. This will save on the tendering process as you can use the same tender. JMS explained the differences between PowerPerfector and Powerstar. BJ is also running with PowerPerfector. NBBC are looking to do works to 5 buildings, depending on the financial implications. Option 2 – standard tendering option. JMS stated NBBC will make a decision Spring time. If they go with Option 2 it will be done on a weighted assessment, against certain criteria.	

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	<p>Both companies have different designs, which would need to be weighted against what is required from them.</p> <p>Surveys are being completed at the end of March, initially a distant survey will be completed to see if the works are feasible, then a full site inspection will be carried out.</p> <p>BJ stated that they are about to proceed with 4 projects and have 2 more in the pipeline. He feels the biggest obstacle is the shut down and fear that systems will not re-start.</p> <p>JMS stated that the period of shut down would be included in NBBC's tender.</p> <p>BB stated Rugby have already had works completed in their Town Hall and they have shown a 9% saving on the previous years bill. PowerPerfactor were offering 9 – 12% saving at the time. He stated that he should have an update of the ins and outs for the next meeting. A report on the savings etc to be circulated with these minutes (App 1a-c).</p> <p>1.5 (Item 5.5) – Biomass Accelerator Programme – JMS gave an update. NBBC have made a site specific application to the biomass accelerator programme for a site at Bedworth. He stated they have been very slow in response, which he has put down to it not being a megawatt application. No response as to whether they will help with feasibility or not.</p> <p>BJ stated he has an interest in linking in the library building next door if the Civic Hall goes biomass.</p> <p>BJ/JMS to discuss after today's meeting.</p>	
2.	<p><u>Presentation on Evaporative Cooling Systems by Alan Beresford of Eco Cooling Ltd</u></p>	
2.1	<p>A copy of the presentation slides are attached to these minutes (App 2).</p>	
2.2	<p>If you are a member of Chartered Engineers, this counts toward points on CPD – please e-mail AB after the meeting to arrange.</p> <p>AB gave a background to his company, followed by information on installations his company has completed (Including details on BJ's installation). Followed by Questions as below.</p>	
2.3	<p>JMS asked if BJ knew the total cost of the works to the server room, carried out October 2008. BJ was not sure but he can get them.</p> <p><i>Post Meeting Note – Cost was £19,000 and estimated savings £5,000/annum.</i></p> <p>JMS stated that they are looking at a new server room at NBBC.</p>	

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	<p>AB stated that you can't use evaporative cooling with old computer equipment, paper tape, tape to tape system etc. The system can supply 25°C or below 52 weeks a year. ASHRAE give wider humidity limits than CIBSE.</p>	
2.4	<p>JMS asked if the system used a pond source.</p> <p>AB stated that it is all automatic. When the system is not cooling it dries itself and drains. When it is cooling, water evaporates off the pads, the salts and solids stay behind. The scaling index is set according to the local water. When the system reaches the index, the whole system drains, which takes 1 minute, the sump is flushed, it then fills up again. In hot conditions it could drain and flush every 1 hour.</p>	
2.5	<p>JMS asked about the cost of the pad replacements. BJ stated that they built it into the tender for a 2 year period. Also built maintenance into the tender.</p> <p>AB stated that the maintenance only takes 1 hour every 6 months.</p>	
2.6	<p>BB asked if there were various size units available.</p> <p>AB stated that with ventilation systems the bigger the system, the bigger the duct work. When the system is above 30 cubic meters per hour, the duct work becomes big and problematic. The units are 1.1m square to allow 40 to be shipped by container.</p> <p>If it's a new build then yes larger units are available, but not really retro fit.</p>	
2.7	<p>AB stated that whilst he sells the units and manufactures them he doesn't install them, you will need to use own people and he will brief and help install. He does have 30 distributors. If anybody would like to see some installations it can be arranged, or if there is anything anyone would like to discuss please contact him.</p>	
2.8	<p>BJ thanked AB for his presentation.</p>	
3.	<p><u>Suggestions for Future Presentations</u></p>	
3.1	<p>JMS stated that Chalmour who did NBBC's lighting T8-T5 adaptors have offered to do a presentation. BJ thought that would be very useful. JMS to organise for the next meeting.</p>	JMS
3.2	<p>Any ideas for future presentations, to be brought to the next meeting.</p>	ALL
4.	<p><u>Any Other Business</u></p>	
4.1	<p>NBBC have an article in 'Energy' magazine (attached App 3) regarding the CHP Units that Baxi installed in the Town Hall. JMS would highly recommend Baxi, and thinks that they would agree to do a presentation.</p>	

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	<p>DJ stated that we could potentially have a meeting at their offices and see their products working.</p> <p>NBBC turn their heating off for 4 months a year and the CHP Unit provides all the hot water during that period. It has made a big effect on the DEC's.</p> <p>4.2 AB read somewhere that the public sector have to have some form of energy inspection on its buildings, and asked how easy it was to get the information.</p> <p>BJ stated that we need an Energy Display Certificate for any building over 100m squared. The building is rated A-G (with G being the worst), and is benchmarked per building.</p> <p>AB asked if we were compliant.</p> <p>BJ stated that Warks CC decided to do theirs in-house, 250 were completed around September October time. There is no standard at which you need to do any works afterwards to lower your rating. We did rely on data from ESPO. Now starting to revisit 'F's and 'G's and any 'B's.</p> <p>Clive has done some for schools lately. Due to fluctuations in pupil numbers and changes in evening lettings it can only be thought of as a snapshot. One school he visited recently the certificate was wrong.</p> <p>BJ stated that there is a facility to allow for extended hours of use above the standard figures when doing the rating.</p> <p>A discussion took place on the certificates.</p> <p>BJ did find it interesting that Warwickshire's new offices at Saltisford and the new Treasury Office all scored F.</p> <p>In 2004 NBBC did a simulation, the Town Hall came out as a C, and its now B.</p> <p>The certificates will also show the history of ratings.</p> <p>JMS stated that the advisory report is where the cost is, have to do full building survey. He believes by 2011 the criteria will go down to 250m² building area, which will increase the number of buildings needing the certificates into the thousands.</p>	
4.3	<p>AB attended a show last week and a guy came to see him who has 2,000 energy assessors on his books. They are doing the surveys, but are unsure what to recommend. He asked whether anyone at the meeting had the same experience, no guidance once the assessment complete.</p> <p>BJ was disappointed when he came across the Carbon Trust surveyors. He has no experience of external assessors for DEC's.</p>	

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	<p>JMS stated that NBBC did them but only had 8 to do. Although if the criteria is lowered we will have 80 – 90 for 2011. The Assessor was quite good and useful. JMS has completed the training himself so that he had an understanding that he was receiving the correct information.</p> <p>DJ has not done the training yet and is not sure if he ever will. Act on Energy do the domestic ones quite a lot.</p> <p>If the criteria goes down, Warks CC buildings that meet that criteria will increase four fold (currently 230), and they will then need help to do them.</p> <p>The advisory report contains an action plan.</p> <p>JMS feels that the report comes in and helps by going to the people who hold the budgets, which assists in getting money released to action.</p>	
4.4	<p>DJ stated that the HIP market is incredibly flooded now. Initially was recommended to charge £140 per property, can now get them done for £30-40.</p>	
4.5	<p>AB asked if anyone gets involved on new builds. JMS stated that there are not a lot of new builds at moment, but would do.</p>	
4.6	<p>AB informed the meeting that Derby City are using evaporative cooling where possible. BB asked whether AB has list of recognised installers he supplies to. AB replied yes, although it is different working with Local Authorities, particularly on new builds as they go out to tender. The winner of the tender has a price they have to work to, they then have to get Eco-Cooling in as they don't really know how to design them.</p>	
4.7	<p>BJ stated there is a seminar at Arup Group, Solihull Office on 26 March, 6.00 pm until 8.00 pm regarding applying energy efficiency to existing buildings.</p> <p>AB left the meeting.</p>	
4.8	<p>BJ explained that Kings House in Bedworth is a 5 storey office block, with the server room on the ground floor. The eco cooling units are in a covered car park area, which is open to natural air. Extract air is ducted out across the car park area, with a small bleed to put the hot air from the server room into a ground floor lobby and toilet area.</p> <p>Russ Davis, Maintenance Officer, works at Kings House, if anyone would like to see the installation independently or as a group, then that can be arranged by contacting him and mentioning BJ's name. The next project for Eco Cooling is another server room which has an existing air conditioning system already installed.</p>	

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5.	<p>Cost for Kings House was approximately £20,000 for two units quite close to each other.</p> <p><u>Date and Time of Next Meeting</u></p> <p>Agreed to be held on Wednesday 3 June, Committee Room A, Town Hall, Nuneaton and Chalmor to be invited to do a presentation.</p> <p>After checking on availability of rooms, the date of the meeting has been altered to Friday 19 June, with the meeting taking place at 2.00 pm until 4.00 pm, with Chalmor doing a presentation.</p>	