

## **Renewables & Energy Efficiency Advisory Group**

**Wednesday 30 April 2014**

**Aberdeen Town House**

### **1. Introduction & Welcome**

Cllr Ramsay Milne welcomed all to the meeting in Aberdeen and thanked those who had made the journey from further afield.

Cllr Milne then provided the group with a short presentation on Aberdeen City Council and how it has been given the name "the energy capital of Europe".

### **2. Attendees and Apologies**

As per attached.

### **3. Minutes of meeting 13 November 2013**

It was agreed that the minutes from the last meeting were a true and accurate record and there was no matters arising.

### **4. APSE Energy**

**Speaker: Mark Bramah, Assistant Chief Executive, APSE**

Mark Bramah provided an interesting and detailed presentation on the work of APSE Energy. This included the scale of the challenge for local authorities with regards to energy, some of the recent press which has been further highlighting the issues surrounding energy prices and also the opportunities which are potentially available to local authorities and how APSE Energy can help maximise these opportunities.

Mark went on to highlight some of the work APSE had been involved in so far which included developing a business proposal for the collaboration, National Council agreement for the launch following over 30 local authorities signing up to the new service, developing parliamentary links, lobbying on issues relating to energy and confirming the official parliamentary launch for June 2014.

The presentation also includes a breakdown of the support APSE offers its Energy members, the memberships prices and finally the future ambition of this new service.

### **5. District Heat in Aberdeen**

**Speaker: Ian Booth, General Manager, Aberdeen Heat & Power**

Ian provided a very interesting and informative presentation to the group on the district heating systems being used in Aberdeen. The presentation included information on how and why the not for profit organisation, Combined Heat & Power was established in 2002.

The presentation also provided information on how the organisation operates and is funded as well as showing the group a number of developments they have worked on to date. Concluding with some results and areas of interest for the future, this included looking into biomass and geothermal etc.

Some of the developments highlighted within the presentation would also be seen by the attendees during the learning tour which followed immediately after the presentation.

## **6. Aberdeen City Renewables & Energy Learning Tour**

Aberdeen Heat & Power HQ – Visit the main offices of AH&P

Seaton CHP Energy Centre - Visit the main operational CHP Energy Centre and how it delivers heat to the network

Tillydrone multi storey council blocks district heating project - A first hand view of a project at various stages of construction

## **7. A Hydrogen Economy for Aberdeen City Region & The Hydrogen Bus Project**

**Speakers: Amy Smith & Emma Watt, Aberdeen City Council**

Amy & Emma provided a detailed presentation on both the hydrogen economy within Aberdeen and also the hydrogen bus project underway in the city.

The presentation included the strategy themes for a hydrogen economy and also some of the reasons for a hydrogen economy including energy security, sustainable economic growth and carbon reduction.

The presentation then went on to provide attendees with an insight into the hydrogen bus project including the project overview, the project budget and the various partners involved in the project itself.

Finally Amy & Emma provided some information on the infrastructure needed for the project and some of the aims for the future.

Questions were asked including what were some of the lessons learnt in relation to electric vehicles and charging points (European to UK).

## **8. Wind Energy in Aberdeen & Aberdeen Renewable Energy Group (AREG)**

**Speaker: Iain Todd, Renewable Energy Consultant**

Iain began his presentation by providing the attendees with a brief outline of the 2008 EU directive which stated there was to be a 20% reduction on CO<sub>2</sub> by 2020, a 20% reduction in energy consumption and 20% of all energy to be renewable.

Iain then went on to outline the on shore and off shore wind in the Aberdeen/Aberdeenshire area. Highlighting that in terms of the opportunity for off shore wind turbines the same principles as the Beatrice oilrig could be used.

Iain then touched on the innovation agenda and legal challenge which could be faced before concluding his presentation with a number of future targets including Beatrice Round 3, floating wind turbines, a supergrid and Aberdeen link to Norway.

## **9. Aberdeen City Council Energy, Carbon and Renewables**

### **Speaker: Mai Muhammad, Aberdeen City Council**

Mai opened her presentation by outlining the key drivers in relation to Renewables & Energy Efficiency. These included legislation from Scottish Government, other legislation and Aberdeen's own targets including its carbon management plan.

Mai then went on to outline the many renewables projects which Aberdeen City Council were currently working on:-

- Solar PV
- Biomass
- Ground source heat pumps
- Air source heat pumps
- CHP in school
- Small scale wind turbine
- Solar water heating
- Rainwater harvesting

Mai then provided information on one of the Council's key projects which was the Solar PV. Solar PV has been installed in over 80 Aberdeen City sites which include schools, offices, sport centres and sheltered housing. Mai also highlighted some of the benefits to this project which includes a potential cost saving in electricity to the Council of approx £60k per annum. Other benefits include sites gain from green electricity at lower costs and there are no maintenance or running costs.

Mai completed her presentation to the group by highlighting some of the pros and cons to both biomass and heat pumps as well as highlighting some possible future systems.

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**30-Apr-14**

### **Attendee List**

<b>Name</b>	<b>Council</b>
Cllr Ramsay Milne	Aberdeen City Council
Amy Gray	Aberdeen City Council
Cllr Jean Morrison	Aberdeen City Council
Fei Zheng	Aberdeen City Council
Mark Shaw	Aberdeen City Council
Mai Muhham	Aberdeen City Council
Ian Booth	Aberdeen Heat & Power
Kathleen Allan	Aberdeenshire Council
Elaine Murray	Aberdeenshire Council
Emma Donaldson	Aberdeenshire Council
Louise McMillan	APSE
Mark Bramah	APSE
Judith Green	City Building Glasgow
Brenda Roddy	Falkirk Council
David Hammond	North Ayrshire Council
Gordon Laing	North Lanarkshire Council
Cllr Janice Annal	Orkney Islands Council
Jan Falconer	Orkney Islands Council
Tricia Irving	South Ayrshire Council
Ian Murray	South Lanarkshire Council
Kirsty McGuire	South Lanarkshire Council

### **Apologies**

Mark Reilly	Aberdeen City Council
Brian Smith	Aberdeenshire Council
Cllr Les Sharp	Clackmannanshire Council
Lawrence Hunter	Clackmannanshire Council
Alastair King	Dumfries & Galloway Council
Wallace Galloway	Dumfries & Galloway Council
Alex Gibson	Dundee City Council
Kenny Nicolson	East Ayrshire Council
Neil Grant	East Ayrshire Council

Gbemisola Taiwo	East Dunbartonshire Council
Steve Anderson	Fife Council
Jackie Sayer	Highland Council
Eddie Boyd	Highland Council
John Apperson	North Lanarkshire Council
Paul Jukes	North Lanarkshire Council
Linda Johnston	North Lanarkshire Council
Elaine Scott	Renfrewshire Council
Angela Coyle	Renfrewshire Council
Charles Forsyth	Renfrewshire Council
Craig Thorpe	Renfrewshire Council
Cllr Danny Gibson	Stirling Council
Peter Rogers	West Lothian Council