

Minutes from this meeting

1. Introduction and Welcome

The new chair of the advisory group Councillor Evelyn Tweed opened the meeting by **welcoming everyone in attendance to the Council's headquarters in Stirling.**

2. Attendance and Apologies

See attached.

3. Minutes of previous meeting – 26 April 2017

The minutes were agreed as a true and accurate account of the meeting.

4. Matters arising

There were no matters arising.

5. Stirling Renewable Heat Project - Low Carbon Infrastructure Transition Programme (LCITP) Demonstrator Projects

Roz Smith of Stirling Council and Donald MacBrayne of Scottish Water delivered a presentation on the Stirling Renewable Heat Project, where Stirling Council is the owner and operator of a district heating network and Scottish Water Horizons is the owner and operator of the energy centre. **Stirling's energy strategy (LHEES) focused on providing** direct benefits to residents, communities and to businesses through low cost, renewable and low carbon energy as well as income generation/savings generation to the Council.

The project was initially included in City Development Framework, and was funded through the Low Carbon Infrastructure Transition Programme, a capital funding call for demonstrator projects that aligns directly with **Scottish Government's Energy Strategy. A** partnership bid was made with Scottish Water Horizons for the Joint EU/Scottish Government Fund which provides up to 50% total project capex. 56% match funding has been secured by Stirling and Scottish Water. The project has a September 2018 deadline due to being EU funding.

The Project is to be an innovative demonstration of harnessing energy from waste and carbon neutral biogas to deliver low carbon and renewable affordable heat with negligible air quality impact for the local community. The proposed end users were St. Modans High School, Enterprise House, Forthbank Stadium and Conference Facilities, The Peak Leisure Centre, Library HQ, The Barracks and Civic Hub Development.

A detailed techno-economic engineering feasibility analysis was carried out to identify local financial and environmental benefits resulting from the project. These included: investing in infrastructure that brings direct benefits to end users (e.g. 10% energy

savings, income generation), local opportunities (e.g. job creation and retention) and local area enhancement (e.g. opportunity for energy system in community environments without impacting air quality).

The opportunities and impacts included: cost savings (e.g. increase in efficiency and security of supply), CO2 reduction (total of 1,030 tonnes of CO2 saved annually, a reduction of 30%), waste reduction (overall over 5GWh of waste energy recovered), energy saving technologies (heat provided from decarbonised heat instead of carbon intense existing systems) and renewable technologies (use of biogas which is currently a waste product as a fuel to provide heat and power).

The speakers also shared the challenges and risks of the project; they noted that there was a steep learning curve but that knowledge sharing and lessons learned will be key in the delivery of the project (e.g. heat purchase and sale price, business case certainty, not traditional Council business, community engagement).

There are also opportunities for future expansion, both around the existing network and heat demand within the area as well as future development. Roz also showed that there was potential across Scotland for transferability and replicability in both urban and rural areas, as seen in a range of the other LCITP projects.

Roz concluded the presentation with an overview of the Callander Local Energy Opportunity (CLEO) partnership project. Callander is a rural community within the National Park with high levels of fuel poverty, concentrated areas of social housing and a pro-active community that had been looking into district heating projects following their existing community energy project. The project highlights rural scale of heat recovery using waste heat from the WWTW process, with the potential to produce 2.6GWh of heat annually, with opportunity for storage and a community element (training opportunities and encouraging business).

Innovative Local Energy Solutions aimed at remote, rural and off gas grid communities, and aims to produce an investment grade business case proposal by November 2018.

6. Stirling Council Energy Projects

Roz Smith provided an additional presentation overviewing some of the other projects currently underway in Stirling.

Energy sits across multiple areas within the Council, and collaboration is key with all stakeholders including public partners, and knowledge sharing with other local authorities.

Energy programmes to date include:

- Roads and Transport Planning – extensive LED streetlighting replacement program, impacts from EV model shift/infrastructure
- Energy – renewables installations on council assets including turbines, solar PV/thermal, biomass, ASHP and CHP
- Assets – major estate rationalisation to reduce energy demand, and energy efficiency/renewables retrofits as well as in new build developments

- Housing – extensive energy efficiency and renewables programme across Housing stock, Renewables generate 2M+ units of electricity per year, Income for reinvestment into Housing stock as well as reduced energy costs to residents
- Planning & Building Standards – policies underpinning energy efficiency and renewables in LDP, embedded at developer stage in planning process
- Sustainable Development – large-scale projects, community energy, EV charging and car club

7. Solar Canopies in Car Parks

Matthew Farrell from Falkirk Council delivered a presentation on the Council's solar canopies in car parks project. The project has been supported through the Transport Scotland Challenge Fund, the second stage of this is due to open in October. They provide pre-application support of £10,000, which is great for local authorities.

The Council's vision is for Falkirk to be a smarter, greener and more inclusive place. They plan to deliver 20 EV charging points (12 rapid, 8 fast), battery storage and 162 parking bays of solar panels. The battery storage also is supportive of the circular economy, with all batteries being previous car batteries. The site choice makes sense with the Kelpies bringing in a lot of visitors.

Their vision is to move from 20 chargers to 40 within 5 years, to have third party charging providers, extended PV coverage, an advanced battery storage system, and a bike and car hub.

Constraints include – planning, grid access, infrastructure condition, will, money and staff resource (since the team have had to pick and choose to focus on projects with the most benefit). The site will have a 9 to 11 years payback, from day one it will be charged (not free of use).

8. APSE Update

Garry Lee provided an update on the current work of the Association, including the latest briefings, the recent APSE Scotland publication 'Doing local politics in Scotland', the APSE/ITN 'Redefining Neighbourhoods' programme, recent advocacy work, network queries, deadlines for Performance Networks data returns, upcoming APSE Energy and APSE Training events in Scotland, the work of APSE Solutions and upcoming Scottish and National seminars.

9. A.O.C.B

There was no other business.

10. Date and time of next meeting – 7 November at Jubilee House, Stirling

Attendees

Name	Council
Garry Lee	APSE
Tom MacLennan	Aberdeen City Council
Mai Muhammad	Aberdeen City Council
Paul Gillies	Argyll & Bute Council
Cllr Donald Balsillie	Clackmannanshire council
David Kennedy	Clackmannanshire council
David Godfrey	Dundee City Council
Lesley McCallum	Dundee City Council
Ian Rogan	East Lothian Council
Mari-Claire Morgan	Falkirk Council
Matthew Farrell	Falkirk Council
Douglas Evans	Falkirk Council
Janet Archibald	Fife Council
Shona Cargill	Fife Council
Clair Lawrence	Fife Council
Jade Scott	Fife Council
Andrew Mouat	Glasgow City Council
Jackie Sayer	Highland Council
Alan Ramage	Midlothian Council
Ian Baird	Midlothian Council
Derek Lyon	Scotland Excel
Cllr Ian Cochrane	South Ayrshire Council
Cllr Peter Henderson	South Ayrshire Council
Collette Stevenson	South Lanarkshire Council
Cllr Evelyn Tweed	Stirling Council
Roz Smith	Stirling Council

Apologies

Neil Grant	East Ayrshire
John Sanders	West Dunbartonshire Council
Stuart Mawson	Scottish Borders Council
Andrew Brockett	North Ayrshire Council
Keith Breasley	Fife Council
Eddie Boyd	Highland Council

Lawrence Hunter

Clackmannanshire Council