

# District Energy Vanguards Network Newsletter

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## England and Wales

**26 June** – [DH Projects: The Potential for Match Funding](#) – a presentation given at the recent CIH Housing 2013 Conference and Exhibition on how community energy schemes can leverage match funding.

**12 June** – [Housing associations double bond financing](#) - the amount of capital market funding in the English social housing sector doubled last year, according to the social housing regulator.

**12 June** – [Deputy Prime Minister announces new Local Growth Committee](#) - the new Committee will bring together the Secretaries of State from all the key economic departments including the ministerial groups on the [Regional Growth Fund \(RGF\)](#) and [City Deals](#). It will provide oversight across the local growth agenda to drive jobs and growth across England.

**12 June** – [GLA to finance research on commercial viability of CHP in social housing](#) - this research will help demonstrate the commercial viability of Combined Heat and Power schemes in social housing over the installation

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of individual boilers and support the application of the [energy hierarchy in the London Plan](#)

**10 June** – [Council building may be connected to Sleaford DH system](#) - the Secretary of State for Communities and Local Government is being asked to sign off a planning application that would link up North Kesteven District Council's main offices to the DH system connected to the Sleaford Renewable Energy Plant.

**10 June** – [Enterprise zone activity to sky rocket with £100 million for building](#) – the Communities Secretary Eric Pickles announced an increase in infrastructure investment for enterprise zones of £100 million with the intention of helping zones attract business and create jobs.

**6 June** – [DECC Community Energy Call for Evidence](#) – this Call for Evidence seeks evidence, views and ideas to help DECC identify how to unlock the potential of community energy.

**5 June** – [Will more energy efficient products reduce consumer bills?](#) – concerns raised on the cumulative effect of government energy policy and their effect on average household bills.

**5 June** – [New report raises concerns on ability of some consumers to pay future electricity bills](#) – the report, '[The Hardest Hit](#)', investigated which type of household would benefit and which would lose as Government energy policies are rolled out.

**3 June** – [RHI, heat pumps and DH in the residential sector](#) – includes an explanation and key facts of the Commercial RHI (Phase 1) and DH Schemes.

**29 May** – [£65m biomass CHP plant to be developed in the South East](#) – the CHP plant will supply heat and electricity across Discovery Park; a 220-acre science and technology park in Sandwich, Kent. It will also supply low carbon electricity to the national grid.

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**21 May** – [Briefing: Potential for seawater DHC in the UK](#) – this study presents a comparison of a seawater heating system in The Hague, the Netherlands, and another in Portsmouth continental ferry port. Unfortunately, there is a charge of \$40 to download this article.

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## Scotland

**15 June** - [Energy Minister to visit Wick biomass venture](#) - Scotland's Minister for Energy, Fergus Ewing, is set to visit a biomass DH scheme in Wick that has helped reduce greenhouse emission gases by 90 per cent for its customers.

**6 June** – [Fife community receives major funding boost for DH](#) - the European Regional Development Fund has awarded Ore Valley Housing Association more than £3.7 million to help develop a DH network supplying homeowners and businesses in [Cardenden](#).

**5 June** - The new publication, '[District Heating Action Plan; Response To The Expert Commission On DH](#)' - the Action Plan sets out a clear roadmap for how the Scottish Government will work in partnership with the wider public sector, business and industry to support the development of DH in Scotland.

**2 June** – [Glasgow Athletes Village DH development](#) - this initiative will result in bills around 40% lower than any other power methods, making a substantial impact on fuel poverty.

**31 May** - [Scottish Government DH Action Plan launched](#) - Scotland's Minister for Energy, Fergus Ewing, launched the Scottish Government's DH Action Plan in May while visiting the CHP energy centre at the new Athletes' Village for Glasgow's 2014 Commonwealth Games.

**31 May** – [Scottish Federation of Housing Associations](#) – the SFHA welcomes the launch of the Scottish Government's DH Action Plan and

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emphasizes the need for financial support for social landlords in order to meet the high capital costs involved in the development of DH schemes.

**31 May** – [Scottish DH plan to reduce carbon emissions and create jobs](#) - under the plan, the creation of a Heat Network Partnership will secure investment from the Green Investment Bank Renewable Energy Investment Fund and identify funding opportunities from European and UK sources, such as the European Regional Development Fund.

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## Europe

**29 June** - [Fortum acquires DH network in Tartu, Estonia](#) – the Finnish DH company Fortum have purchased the DH operations of the Estonian DH company Eraküte.

**19 June** - [Thermal storage to eliminate energy waste in existing DH network](#) - heat from local factories will be stored in obsolete groundwater boreholes for use in the DH network in Bjerringbro, a town in N. Denmark.

**19 June** - [Absence of joined-up policy on DH and building energy retrofits](#) – Polish energy policy deficits impels move to domestic boiler solution.

**19 June** - [Prohibition on compulsory connection to DH network](#) – the Swedish Competition Authority is going to court in order to seek a prohibition against Växjö municipality for using a procedure that makes connection to the DH system compulsory for new houses.

**14 June** – [EBRD announces DH €20m modernisation loan](#) - the European Bank for Reconstruction and Development (EBRD) have announced a loan to the municipally owned Lvivteploenergo enterprise for the renovation of the existing DH infrastructure in the Ukrainian city of Lviv.

**14 June** – [Vattenfall works with Rolls Royce to resolve NOX emissions issue](#) - Rolls Royce has upgraded the design of its Trent60/DLE gas turbine

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to overcome a NOX emissions problem at a DH plant in Hamburg operated by Vattenfall.

**13 June** – [Transition from Gas to Biomass in Finnish DH Systems](#) – a presentation by the Technical Director of Elenia Lämpö Oy.

**7 June** – [Helsinki undertakes an orderly upgrade and expansion of its DH and cooling networks over summer](#)

**5 June** – [Star Refrigeration of Glasgow choose ABB medium voltage motors](#) to provide the compression stage for the world's largest district wide natural heat pump system in Drammen, Norway.

**5 June** - [EBRD agrees €9.6m funding package](#) - the European Bank for Reconstruction and Development is to fund an upgrade of the DH system of the Kazak city of Aktau.

**5 June** - [Austria's largest CHP plant runs on GE's J624 gas engines](#) – Energie AG have replaced aging steam turbines at their energy centre in Kirchdorf with three of the latest Jenbacher J624 gas engines rated at 4MWe each.

**5 June** - [Duisburg development strategy focuses on DH to reduce CO<sub>2</sub> emissions](#) – the priorities also include improving economic efficiency, sustainability, supply security and energy efficiency.

**3 June** – [New 20 MW DH plant commissioned in Riga](#) - Renewa and Lithuanian Axis Industries have delivered the plant which will satisfy a significant proportion of Riga's heat demand.

**31 May** – [Years of Progress in the Lithuanian DH Sector](#) - a short video depicting the history of the Lithuanian DH sector from 1985 until 2012 (English subtitles and narrative).

**30 May** – [Russian DH company fined for abusing dominant market position](#) - Nizhniy Novgorod Regional Arbitration Court upheld the

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decision of the Office of the Federal Antimonopoly Service to fine the Kstovsky DH Networks company 2 million roubles.

**29 May** – [Irish DH system used locally produced wood to reduce emissions](#) – Tralee DH system supplies heat to 100 homes and several public buildings using woodchip fuel in an advanced burner.

**29 May** – [DH creates jobs](#) – A study by the Danish District Heating Association estimates that in 2013 DH projects worth a total of five billion DKK have been initiated - projects that create approximately 6,000 jobs.

**22 May** – [First phase of an EU funded geothermal DH project in Miskolc, Hungary is commissioned](#) – the project includes heat provision for 10-hectares of greenhouses and is expected to create jobs for about 30 people.

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## North America

**29 June** – [Wood waste beats natural gas on cost in Alberta](#) – abundant wood waste in Canada fuelling growth of biomass DH.

**20 June** – [The Baseline - June 2013 news briefing](#) – from the Gulf Coast Clean Energy Applications Center, an initiative of the US Department of Energy.

**4 June** – [Realising the potential for DH in Maine](#) – comparisons with and taking inspiration from the Copenhagen DH experience.

**24 May** – [Building a modern energy plan on historic local values](#) - Holland City, West Michigan foregrounds DH in community energy plan.

**6 May** - [Canadian village wins \\$680,000 government award for biomass heating system](#) - the Telkwa village DH system will provide heat to its municipal building, an adjacent business, a school and four residences.

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## China, Asia, and Australasia

**25 June**– [DH - Danish and Chinese experience](#) –after a brief historical review of DH in both China and Denmark this study presents ideas on how Denmark and China can work in a mutually beneficial way towards developing and improving DH.

**25 June**– [Legal risk and cost uncertainty hold back Sydney DHC project](#) – the City Council have been backing a proposal for a tri-generation (CHP and cooling) system in Sydney to meet emission reduction targets but have been forced to put the project on hold.

**3 June**– [DH System for Queenstown, \(NZ\) being investigated](#) – the proposal is to provide heat and power to a 150ha development comprising thousands of residential and commercial units via a DH system supplied from a centralised woodchip-fuelled boiler and a 2ha photovoltaic park.

**30 May** – [Korea District Heating Company \(KDHC\) visit Denmark](#) –KDHC has one of the largest DH networks in the world. The company have a cooperation agreement with the Danish Board of District Heating (DBDH) who hosted their visit.

**22 May**– [COWI-Danfoss to deliver DH system to 1.8 million inhabitants of the City of Anshan, China](#) - the system will use waste heat from a local steel mill, thereby reducing the city's CO<sub>2</sub> emissions by up to 240,000 tonnes per year.

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## Conferences, workshops, technology and research

**21 June** – [Cold fusion cell trial to supply heat for DH system in Sweden](#) - Andrea Rossi has patented a 1MWh cold fusion cell which produces six

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times the energy output in hot water as the energy input to run the cell and are ideal for DH systems.

**19 June – [Development of a Solar District Heating Online Calculation Tool](#)**

– this presentation describes the modelling of the environmental and economic performance of solar DH based on the TRNSYS (Transient System Simulation Tool) method for both centralised and distributed models.

**16 June – [Students win Euroheat prize for innovative DH user research](#)**

– the researchers investigated the feasibility of developing more accurate forecasting models for heat consumption using hourly measurements of DH consumption with the objective of optimising heat production.

**16 June – [presentations available from London DH workshop](#)** – the “Secondary Side Heating Systems and DH” workshop was held on 4<sup>th</sup> June.

**6 June – [Report on Decarbonizing DH Conference](#)** - the Conference through 10 presentations highlighted biomass as a realistic, sustainable and bankable solution to the DH problem in Serbia.

**27 May – [Heat Roadmap Europe 2050 : Second pre-study for the EU27](#)** - this study combines the mapping of local heat demands and local heat supplies across the EU27 to identify new DH potentials. The EU27 energy system is then modelled to investigate the impact of DH yielding results which indicate that a combination of heat savings, DH in urban areas, and individual heat pumps in rural areas will enable the EU27 to reach its greenhouse gas emission targets by 2050, but at a cheaper price than other scenarios.

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