CHP and District Heating Plans

Ref: FOI-17-023

Information Request and Response by Eastbourne Borough Council

1. To help reduce fuel poverty in the borough, Combined Heat & Power (CHP) based Local or District Heating Networks are considered as Low Carbon Energy options to conventional heating systems in Residential or Commercial properties – How many new properties are planned to be built over the next 5 to 10 years that are supported by CHP and/or a District Heating Network?

As part of our emerging decentralised energy and low carbon pathway, we will be considering the business case for CHP and district heating in all new housing developments. We cannot give specific numbers for the next 10 years as we cannot predict the final design of housing developments that far ahead.

2. What percentage of Housing Stock in the borough will have an EPC rating of D or better by end of 2020?

It depends on possible projects; however, 92% are above this currently.

3. Further to questions 1) above, what plans are in place to convert existing Local Authority Estate or Social Housing Stock to be retrofitted/upgraded to a CHP; Local or District Heating Network over the next 5 to 10 years?

As part of our emerging decentralised energy and low carbon pathway, we will be considering the business case for retrofit CHP and district heating for housing. The business case for this is likely to be tougher than for new housing developments but it will still be considered. We cannot give specific numbers for the next 10 years as it an emerging work stream.

4. In London, for example, the Mayor of London is committed to delivering 25% of London’s energy supply by Decentralised Energy (DE) by 2025. District Heating Networks are a key part of this strategy, and already proven to be much more efficient in reducing carbon emissions from Heating Systems in countries like Denmark;
Sweden and Germany – what plans has the Local Authority to develop/connect to District Heating Networks in the borough by 2025?

As part of our emerging decentralised energy and low carbon pathway there is an ambition to reduce our carbon emissions by 40% and to create at least one ‘off-grid’ neighbourhood. To view the Community Declaration please visit www.cepe.org.uk/resources/documents

5. A key part of managing energy costs for Local Authority estate, or Social Housing would be to introduce greater levels of Energy Consumption Smart Metering and Sub-Metering for all utilities (Electricity; Gas; Water; Heat) – what plans are in place to introduce greater levels of Metering within the borough over the next 5 to 10 years?

Smart meters are being rolled out as part of the Government’s national initiative so the majority of residents will eventually benefit from this. For buildings where we supply the energy smart metering is being considered.