

West Bridge Mills District Heating



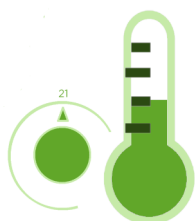
West Bridge Mill consists of 16 self contained flats for vulnerable young people as well as office space for charities. Link Group Housing Association chose combined heat and power with district heating so they could provide low carbon, affordable heat and power to help alleviate the fuel poverty of its residents.



Before the renovation, each flat used electric storage heaters and immersion heaters which were inefficient, unreliable and expensive to run. Following the installation of the combined heat and power unit and district heating system, the site has **reduced its energy costs by £14,000** a year, **saving residents hundreds of pounds** on their energy bills.



The combined heat and power unit tracks energy demand to make sure that all of the residents' heating and hot water needs are met whatever the weather. The unit also supplies around 66% of the site's electricity demand. The new system is more fuel efficient and has helped the site to **reduce its carbon emissions by 31%**.



Each resident is able to meet their individual heat and hot water needs exactly through controls in each flat. The flats also have integrated energy meters which lets the resident check their energy consumption and lets the supplier take accurate meter readings for billing.



"We have seen a significant benefit in heating bills and found that our energy costs last year were reduced by around £14,000. The colossal energy savings made possible through this solution led to the project's recognition by the Chartered Institute of Housing awards in the Excellence in Environmental Sustainability Design category."

- Colin Reid of Link Group

The West Bridge Mill project shows how combined heat and power and district heating can help to alleviate fuel poverty. The new system is much more fuel efficient and requires less maintenance. Thanks to the new system, residents have more control over the energy they use while also benefitting from reduced running costs and cheaper energy bills.