



DISTRICT HEATING

Aberdeen Heat & Power Ltd is a 'not for profit' company that was set up by Aberdeen City Council in 2002 to develop and operate district heating and CHP (Combined Heat & Power) schemes in their area. The scheme has grown through the development of four principal projects and now supplies around 2350 flats in 33 multi story blocks and 15 public buildings. Carbon emissions from these buildings have reduced by 45% and typical fuel costs to tenants have been reduced by up to 50% over the previous electric heating systems.

WHAT IS COMBINED HEAT & POWER

A CHP plant is an installation where there is a simultaneous generation of electric power and useable heat, in a single process. It generates electricity locally and captures the waste heat produced to provide space heating and hot water through a district heating network.



CHP is around 85% efficient, in contrast to the 35% efficiency achieved by conventional power stations. CHP systems are accredited producers of 'green' electricity, reducing the use of fossil fuels and reducing CO2 emissions, which are major contributors to climate change.

The schemes provide more affordable running costs and reduce the CO2 emissions from properties connected within the schemes. Four successful CHP schemes are now operating at:

- SEATON
- TILLYDRONE
- HAZLEHEAD
- STOCKETHILL

