

CHP at Royston and Brimdsdown

Combined heat and power (CHP)

A major part of the Johnson Matthey energy efficiency programme saw the installation of combined heat and power plants at our Royston and Brimdsdown sites with a total electrical capacity of 10MW. These units, powered by natural gas, produce electricity, hot water and steam at over 85% efficiency.

This form of distributed power generation compares favourably with centralised generation supplied through the national grid at an efficiency of around 35%, thus reducing costs and emissions to the environment. The steam and hot water generated by the CHP plants is used elsewhere on the plants to provide heat for other processes. Plans are now in place to make similar investments at other plants around the world.

