



RE:FIT Projects Tranche 1: Borough Hall – Solar Photovoltaic Panels



Background to the RE:FIT programme

Bedford Borough Council is working in partnership with Mitie to install a series of energy conservation measures and renewable energy technologies in a number of Council buildings. Mitie guarantees the energy and carbon savings to be achieved over the lifetime of the energy performance contract. One of the sites in Tranche 1 of the RE:FIT programme is Borough Hall.

Project Details

Solar photovoltaic panels (solar PV) have been installed on the flat roof of Borough Hall alongside the existing solar thermal panels, helping to reduce the sites electricity consumption and generating an income through the Feed-in Tariff (FIT) scheme.

The 49.82kW system comprises of 212 panels rated at 235W each, split into 5 arrays across the roof space to minimise the impact of shading.

Savings

It is estimated that the system will generate approximately 38,000kWh/annum, saving £3,800/annum.

The income from the FIT is estimated to be around £5,000/annum. A carbon saving of 20,000kgCO₂/annum is expected.