

RE:FIT Projects Tranche 1: Jubilation Centre - 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 the Jubilation Centre.

Project Details and Savings

Solar photovoltaic panels (solar PV) have been installed on the curved roof at the centre helping to reduce the sites electricity consumption and to generate an income through the Feed-in Tariff (FIT) scheme.

The 10kW system comprises of 42 panels, rated at 235W each. It is estimated that the system will generate around 7,500kWh/annum, saving around 3,700kWh/annum for the centre (£375/annum). The income from the Feed-in-Tariff is estimated to be around £1,050 plus £169 for export per annum. Therefore the total financial saving is around £1,594 / annum.

The project will result in a carbon saving of 1,969kgCO₂/annum.