

Solar Panels at Staffordshire Libraries

Staffordshire County Council has adopted a target to generate 15% of its energy needs from renewable sources by 2020 and now have renewable energy installations on county owned buildings including schools, offices and libraries.

In 2012, Staffordshire County Council invested in thirteen solar PV installations to generate electricity using the sun's energy at its libraries. There are numerous benefits from solar PV including:

- a reduction in electricity bills;
- a reduction in carbon emissions (reducing reliance on fossil fuels);
- an income tariff from the Government's Feed-in Tariff (FIT), where you receive a payment for every kWh you generate;
- an export tariff from the FIT, where you receive a payment for every kWh that gets exported back to the grid; and
- educational benefits; each library displays the amount of solar energy generated and has an information pack on public display.

The panels will save around **£10,000** per year on the library's electricity costs, which is likely to increase as electricity prices increase. An annual income of **£23,000** shall be paid by the Government's Feed-in Tariff, which is index-linked and guaranteed for twenty five years.



**YOUR
LIBRARY**

The installation is one of the many renewable energy installations that will help achieve our renewable energy target as well as our target to reduce our carbon emissions by 3% each year. The library PV panels will save 60 tonnes of CO₂ being emitted every year.