

## Climate Change Fund Case Study

### Low Energy Lighting:

**Biddenham Upper School** successfully applied for 50% match-funding for the installation of low energy lighting in the Sports Hall and 3 classrooms at the school. The T8 fluorescent lamps were replaced with T5 lamps which use approximately 50% less energy and also last up to 3 times longer resulting in significant energy and maintenance savings.



*Low Energy Lighting installed  
in Biddenham Upper School's  
Sports Hall.*

### Costs:

- Installation of T5 lighting, to replace T8 fittings, in the Sports Hall and 3 classrooms at the school = **£18,897.58**.
- Contribution from Climate Change Fund – 50% match-funding = **£9,448.79**.

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### Savings:

The installation of the low energy lighting will:

- Reduce the school's electricity consumption by approximately **22,807 kWh** per year.
- save approximately **12.43 tonnes of CO<sub>2</sub>** per year which will contribute to reducing the carbon emissions of the Borough
- save the school approximately **£2,736.84** on their electricity bill per year.