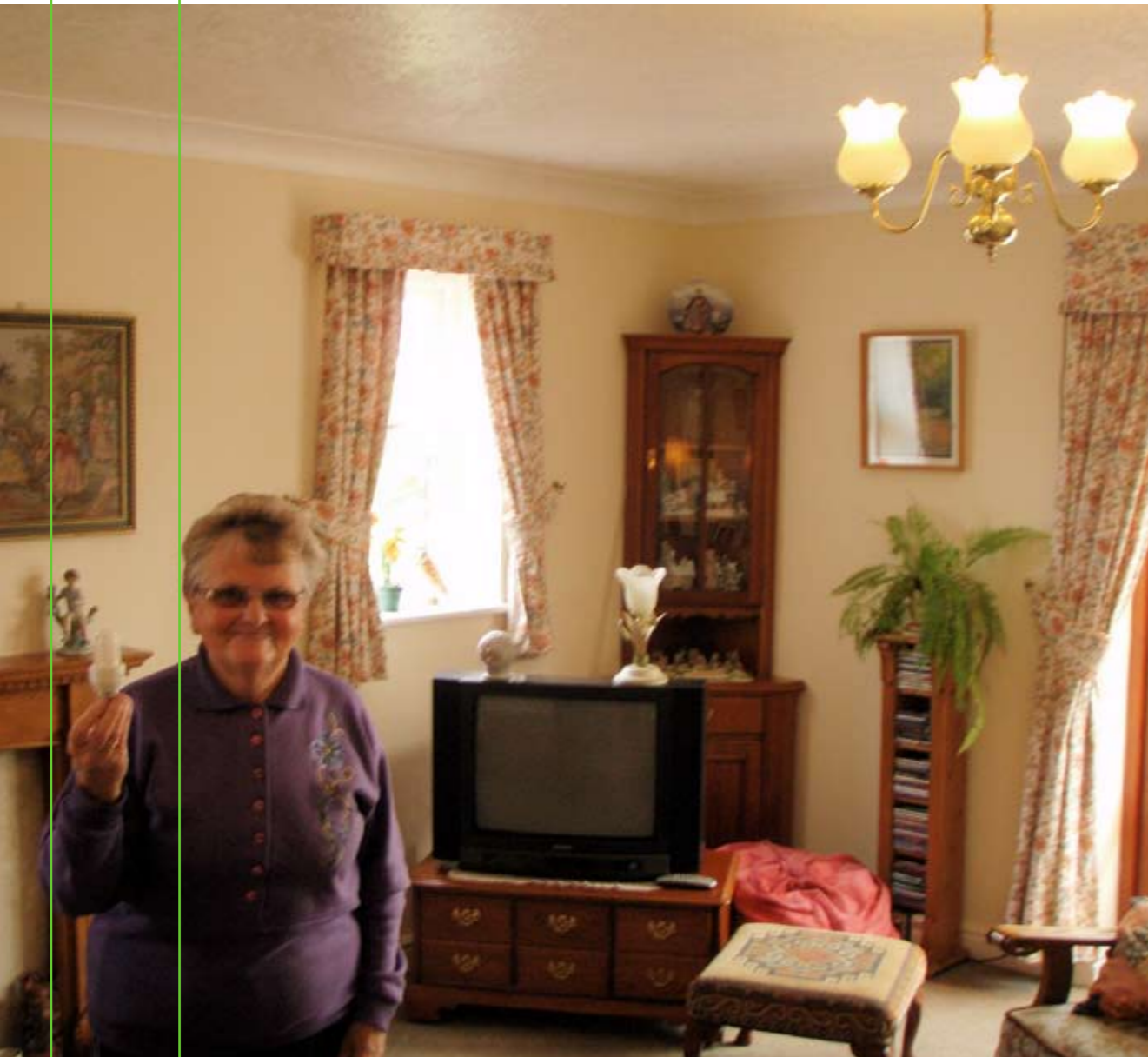


CASE STUDY: Low energy lighting

Mrs Roberts, Ellesmere



In 2005, after reading an article about low energy light bulbs, Mrs Roberts from Ellesmere decided to start replacing her existing old style 'incandescent' bulbs to low energy equivalents. By 2008, the old style bulbs had been banished altogether, leading to a reduction in electricity consumption of 1200 kWhs, saving approximately £150 on her annual electricity bill (a saving of over 25%).

Mrs Roberts has been impressed with the newer 'lookalike' style bulbs, as they are more attractive than the older 'stick' bulbs. These bulbs also give out the same light as old fashioned incandescent bulbs, and do not take as long to come on as low energy bulbs used to.

Mrs Roberts has also been pleased with the lifespan of the energy saving light bulbs, which is about 6-10 times longer than conventional bulbs. In fact she has not had to replace one since they were installed; for some bulbs, that was over 3 years ago!

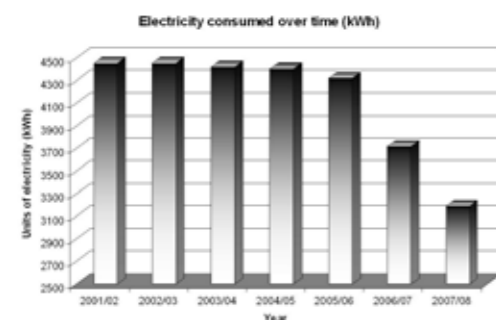
CARBON DIOXIDE SAVINGS

	Annual CO ₂ savings	% of total annual CO ₂	Lifetime CO ₂ savings*
Lighting	0.5 tonnes	10%	3.5 tonnes

*This assumes an average lifetime of 7 years for the bulbs.

FINANCIAL SAVINGS

	Annual cost savings	Payback period (approx.)
Lighting	£152	10 months



Mrs Roberts has been recording her electricity use since 2001, as shown in this graph. The graph shows the clear reduction in her electricity use since starting the switch to low energy bulbs in 2005.

