



## **RESIDENTIAL (domestic)**

2 categories, retrofit and new build)

**Retrofit: Hill House.** Edwardian 6 bedroom retrofit, Rainwater Harvesting and Grey Water recycling.

**Extensive refurbishment of** a large Edwardian house, which was destined for demolition to build flats, **gave the owners the opportunity to review the use and re-use of water both inside and out. Water saving fittings** were used on shower heads, dual flush WCs. **Grey water** is collected from bath and shower outflows into a recycling unit which brings the water up to clean standard. It is stored for reuse in toilet flushing and for laundry purposes. By keeping as much water as possible within the site discharge to the main sewer is minimized. The project qualifies for waste water abatement of 148 m<sup>3</sup> per annum.

**Externally rainwater** from roofs and **surface water from patios** is harvested, filtered and sent to an irrigation holding tank where it is stored until needed. A **computerised irrigation system** uses the harvested water which is applied efficiently to all the garden areas, trees and allotments.

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