

Rainwater harvesting is the collection, storage and distribution of recycled rainwater for use in various domestic or commercial environments.

**37%**  
of domestic properties will benefit from a rainwater harvesting system & almost all commercial & schools. You can reduce your water consumption by as much as **40%** using a rainwater harvesting system

In the UK, our water resources are under pressure and a high volume of water is taken from the environment for human use, putting a pressure on supply, as well as wildlife that rely on ponds, rivers and streams.

**55% of domestic treated water could be substituted for rainwater for the following purposes:**



Toilet Flushing



Washing Clothes



Watering the Garden



Washing the Car & other outside uses

## Water usage within a typical home

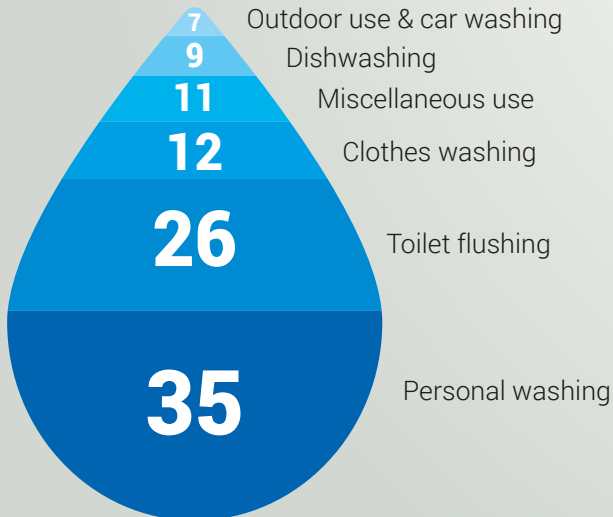


The average person in the UK uses around

**150 litres** per day



Average demand for water in domestic properties (in %):



## Water usage within a commercial setting

UK schools spend at least

**£70m** per year

Average annual water & sewerage bills for UK primary schools is **£1,600** and between **£3,200** and **£8,600** for secondary schools.

On the provision of fresh water and the disposal of wastewater.

## BENEFITS OF A RAINWATER HARVESTING SYSTEM

- Reduces costs of water bills (if using a water meter).  
 - Financial and environment savings are often higher in commercial buildings and schools because they generally have larger roof areas and greater demand for non-potable water in comparison to domestic properties.
- Sustainable way of using water - reducing the volume of mains water means more is left to benefit ecosystems.
- Reduces demand for mains water, relieving pressure on available supplies.
- Reduces risk of flooding & pollution – holding water locally is an effective way of reducing flooding and less water being discharged to drains and sewers and ultimately to rivers prevents pollution.

Jess and Johnny McGee's house in Pasture Grove, Leeds, was the first domestic rainwater harvesting project carried out by the team at Bradleys Surfacing Systems. The two day install involved the harvesting of rainwater from:

- The lawn**, by converting a natural lawn to synthetic turf and having the Bradleys water harvesting system
- The roof**, by capturing the water from the gutter downpipe. Harvested water was tanked underground and made available by a Victorian style hand pump, which was selected to fit in with the age of the building and act as a garden feature. Water is then available directly in the garden for watering plants, washing cars etc.
- The result:** A very simple, cost effective system which required no electrical works or plumbing inside the building and can hold up to 500 litres of water.

