



Water Recycling Course

Much of the water we use does not need to be of drinking quality. In fact, studies show that 55 per cent of domestic treated water could be substituted for rainwater, while 85 per cent of water used for commerce and industry does not need to be of drinking standard.

With treated water in such short supply, it makes sense to look to other sources for many of our everyday needs. Rainwater and grey water can be safely used for a variety of non-potable purposes in and around the home, including flushing toilets, running washing machines, cleaning cars and watering the garden.

Rainwater and grey water can also be invaluable for industry – one of the largest water consumers – where it can be used for factory cooling systems, and cleaning vehicles and equipment, for instance.

Step to Training is in the throws of launching a course to train career changers / adult learners to design and install water recycling systems; this course is designed to compliment the wind and solar energy courses. Together we can save our planet.

Rainwater harvesting is not a new concept. Only recently have the benefits been recognised now that mains water supplied from the tap has become a much more precious (and restricted) commodity.

The system works by taking the rain from your roof gutters, filtering out leaves and debris and storing the water in an underground tank.

The water is then pumped into the house to be used for non-potable applications such as toilet flushing and washing machines. If the tank runs empty, the system switches to mains supply. Simple.

Average domestic water consumption = 157 litres per day*

Average daily cost per household = 81 pence per day*

The average household water bill has increased 39.1% since 1989 *

The roof on an average 4-bed family home captures more than 100,000 litres of rainwater each year**

A typical family uses 70,000 litres of water each year on toilet flushing, clothes washing and outside use**

One third of all water used in the home gets flushed down the toilet

Rainharvesting can replace up to 50% of a household mains water consumption, and up to 85% on commercial installations

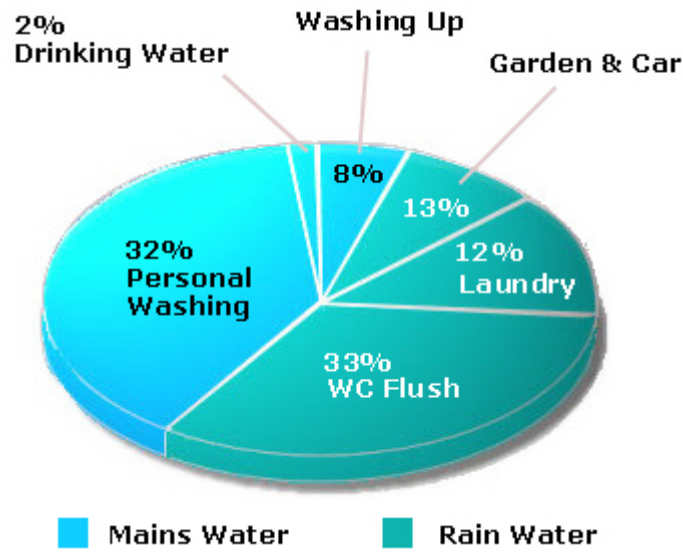
Collecting rain from your roof reduces surface water by approximately 60% per plot

Rainwater harvesting in Germany is over 100 times the current use in the UK

Rainwater harvesting in the UK has increased by approximately 300% in the last two years

The payback period can be as quick as 3 years on buildings with large roofs and a high non-potable water demand

For example an Envireau system can supply over 50% of your domestic needs



- Source: OFWAT 'waterfacts', May 2006
- ** Source: UK Rainwater Harvesting Association (UKRHA)

Water Reclamation

Course coming soon

