



Rainwater Harvesting System



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A rainwater harvesting system has been installed at the Visitor Centre. Rainwater harvesting systems often have tanks installed in the ground, but this was not possible here due to the land's previous use as a landfill site.

A 660 litre slim-line Wall Tank System has been installed which is connected to the public toilets, enabling them to be flushed with rainwater collected from the Visitor Centre's roof.

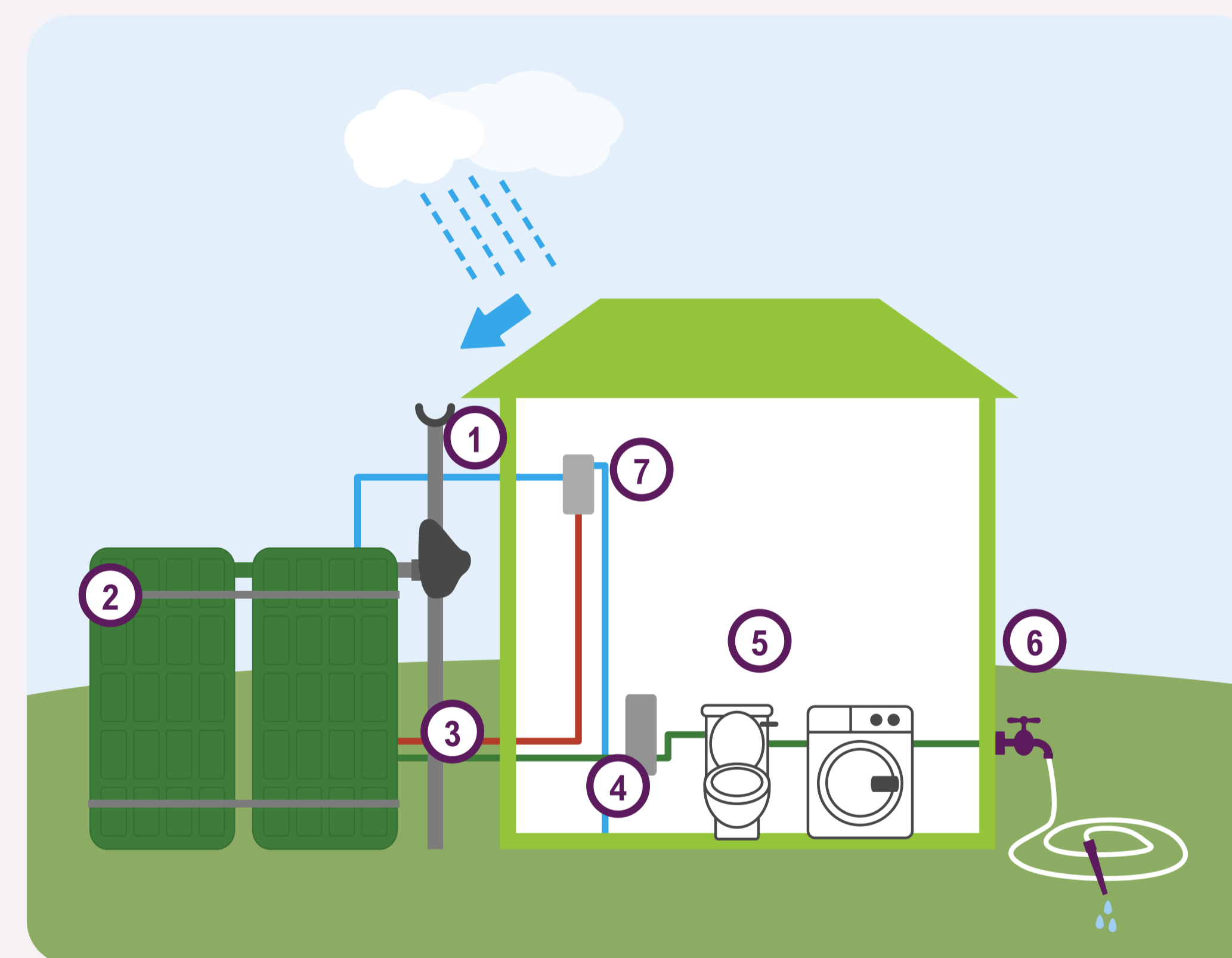


How it Works

Rainwater harvesting is where rainwater that falls on a property's roof is diverted and stored, usually in an underground tank, for later reuse. The rainwater is then pumped to flush the toilets, to outside taps for garden use and, in some cases, it can be used for the washing machine.

When a connected device demands water, the pump is activated to draw water from the tank. In the event that demand exceeds the available rainwater, a mains water valve is automatically opened to refill the tank.

1. Rainwater filter, diverter, tank overflow and backflow prevention
2. Rainwater tanks with steel support frame
3. Insulated tank outlet and cable to float switch
4. On demand wall mounted pump package
5. Rainwater main to utilities
6. Garden watering via hose pipe
7. Main top up via solenoid valve connected to float switch and tundish



For Your Home

Rainwater harvesting systems (RWH) are ideal for supplying water for your home's toilet, laundry and garden watering. A slim-line tank, such as the one installed at the Visitor Centre, is especially useful for domestic situations where space is limited. RWH systems can reduce demand for mains water, save you money if your home has a water meter and relieve pressure on available supplies. RWH systems contribute to slowing down the flow of water during times of high rainfall and reduce the pressure on drainage systems, the risk of localised flooding.

For more information, please email: climatechangefund@bedford.gov.uk