

Rainwater harvesting:

While the logical use of rainwater harvesting is for water conservation purposes, it also reduces energy use within a community. The rainwater that falls on your roof and property is essentially free. All it takes is a method to harvest it into a tank or cistern for later use. Rainwater harvesting can be a great educational tool to get people to recognize their individual or household water usage. This can get them to start conserving water in other areas around their home. For communities that rely on imported water to supply their needs, collecting rainwater that falls naturally in the community can reduce the need for imported water. Rainwater harvesting helps utilities reduce peak demands during summer months, saving treated water for more important and appropriate water uses. While rainwater can be a perfect primary water source for many uses and situations, it is also a great backup water supply for emergency situations. Rainwater harvesting can reduce stormwater runoff from a property. The elimination of runoff can reduce contamination of surface water with pesticides, sediment, metals, and fertilizers.
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- Rainwater harvesting can reduce stormwater runoff from a property. The elimination of runoff can reduce contamination of surface water with pesticides, sediment, metals, and fertilizers.
- By reducing stormwater runoff, rainwater harvesting can reduce a storm's peak flow volume and velocity in local creeks, streams, and rivers, thereby reducing the potential for streambank erosion.
- Rainwater harvesting systems can be employed as simple and effective methods to meet a municipality's stormwater management program requirements of individual properties.
- It is an excellent source of water for plants and landscape irrigation since it has no chemicals such as fluoride and chloramines (chlorine).
- Typically, the end use of the rainwater is located on the property where the rainwater is collected. Replacing municipal water use at a home and property with rainwater reduces the amount of water that a municipality has to treat and then pump to your house. The treatment and pumping of municipally provided water require a lot of energy.
- The implementation of rainwater harvesting can help meet new standards of energy and water efficiency ratings and codes that are being developed in communities.