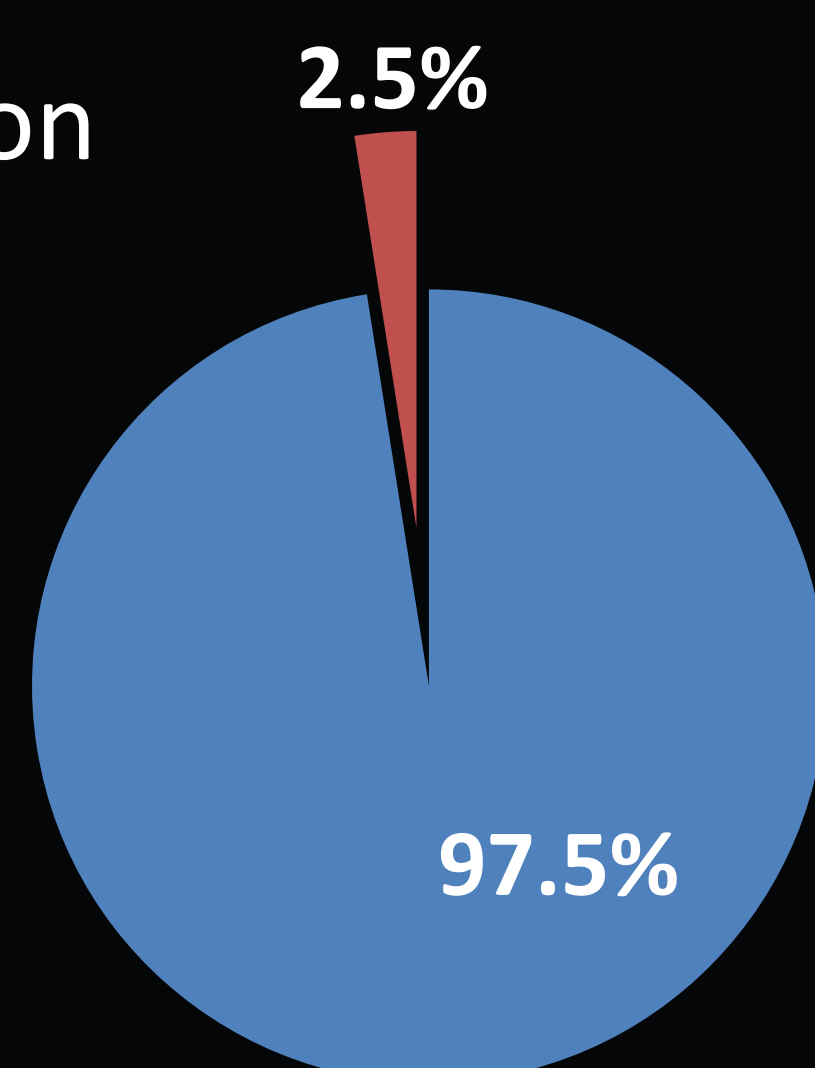


Assessment of Domestic Water Use & Conservation Practices in Al-Khobar City

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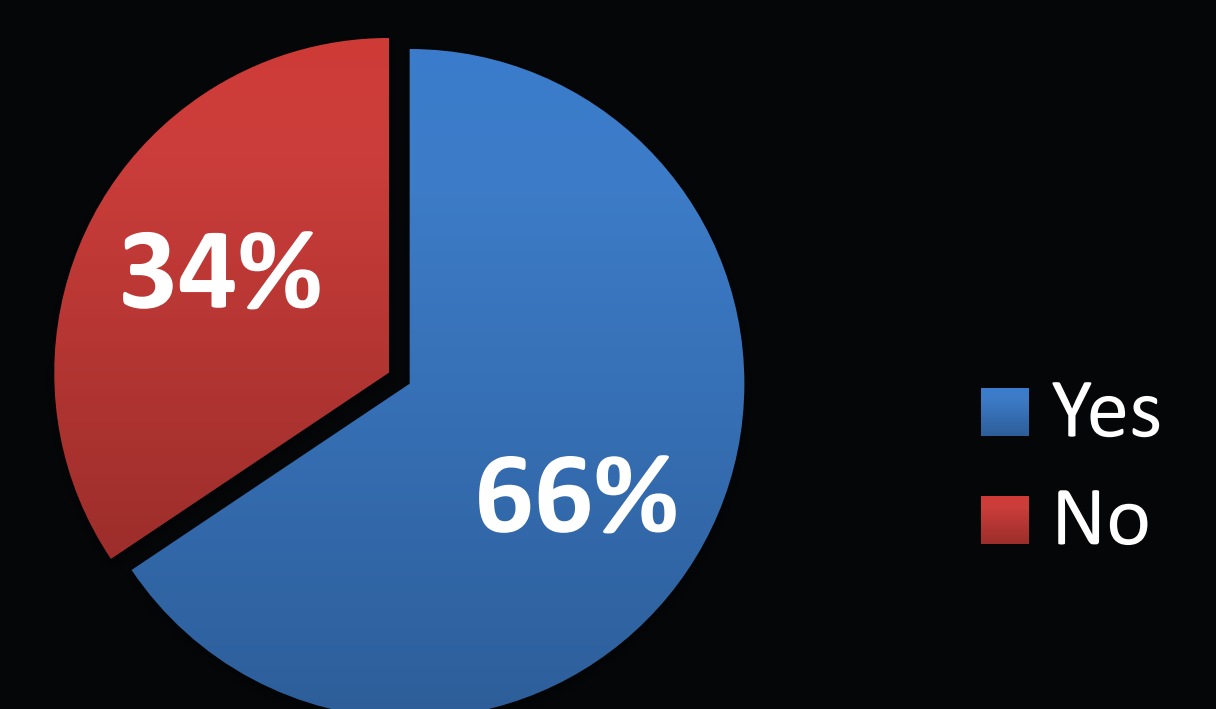
Introduction

97.5% of all water on earth is salty water, which is the ocean's water. This leaves only 2.5% of fresh water. However, nearly 70% of that fresh water is frozen. Most of the remainder is soil moisture, or in groundwater aquifers not accessible to humans. This means that less than 1% of the world's fresh water is accessible for direct use. This percentage is divided into lakes, rivers, reservoirs and underground water sources. With the population growth, the fresh water demand is increasing dramatically.



What is Water Conservation ?

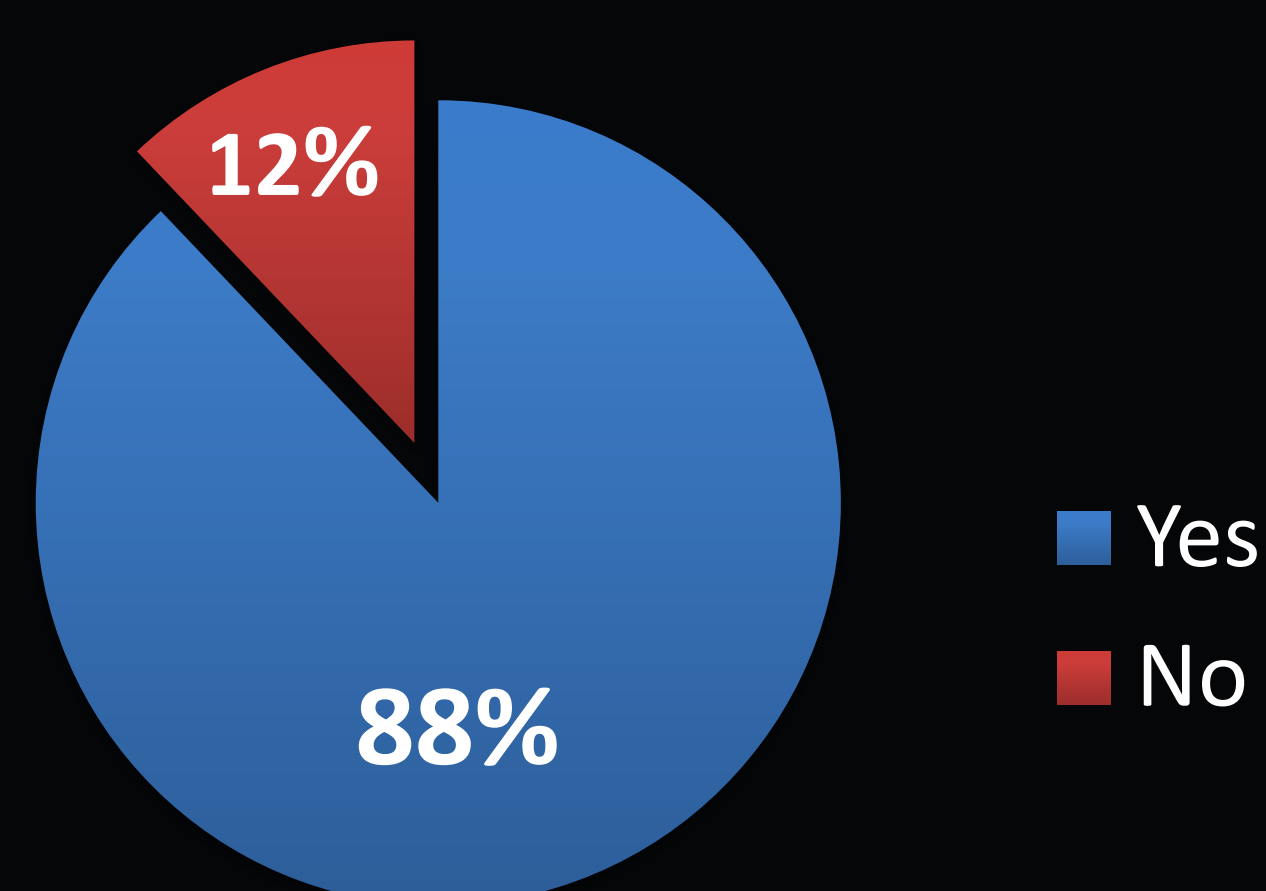
Water conservation stands for any reduction in water use by implementing water efficiency measures. Moreover, it involves improving the current water management practices in order to improve our water use. There are several technologies to be applied at these places without causing any sort of inconvenience for the user. There are conservation tools that can be installed on almost all appliances without affecting their efficiency.



Form the survey we found that 66 % are willing to buy water conservation tools

Water
Fuels the Mind, Body & Soul

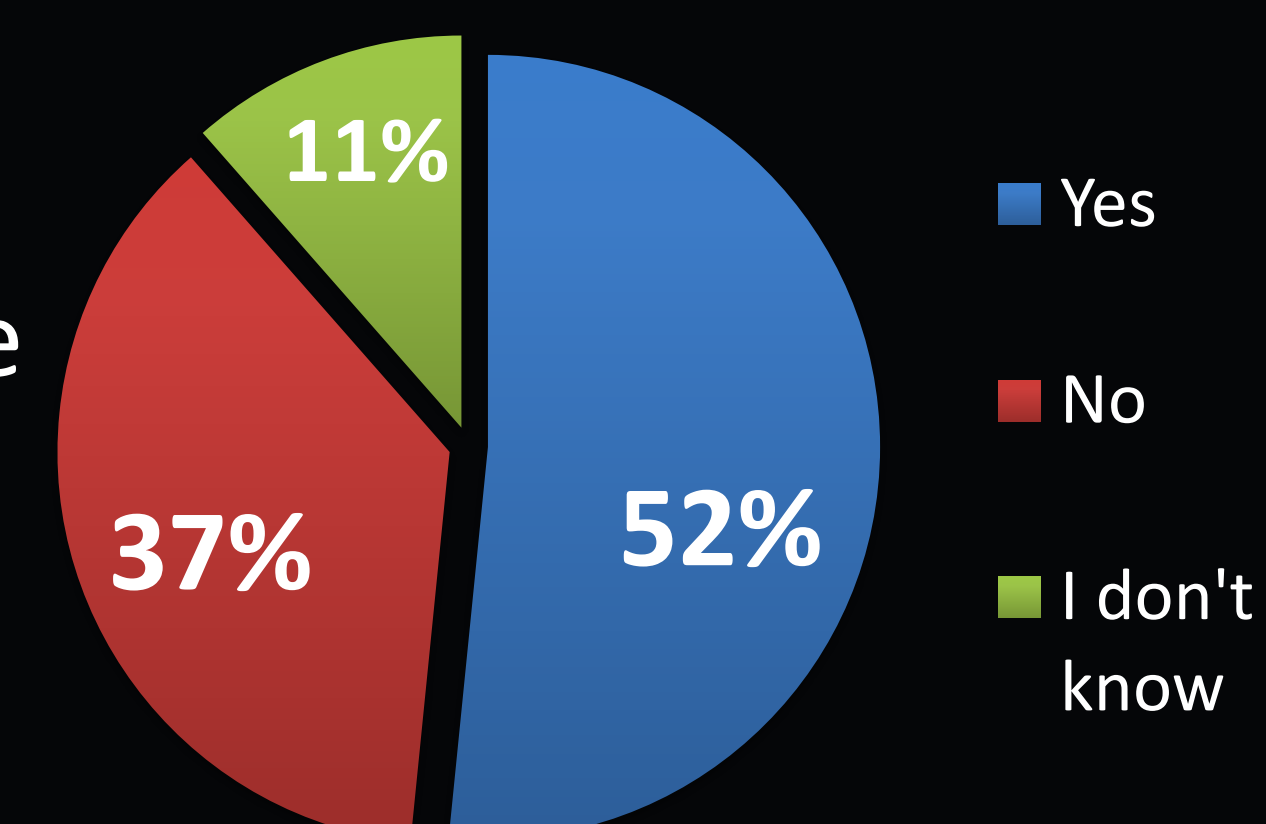
Water Conservation



From our survey we found out that most of the people are agreeing that water conservation is important to them. So, it means that people do know the importunes of water but just need the means to apply it in there daily life.

The Objective

The objective of this project is to ensure water availability for the next generations by looking for different ways to apply technologies and water conservation based equipment to reduce the water usage of Al-Khobar City. This can only happen by assessment of the current water practices in the city to Identify the points that can be improved in the daily usage of water in Al-Khobar not only Indoors but also outdoor.



52% of the people that took the survey thinks that KSA is having a shortage of water