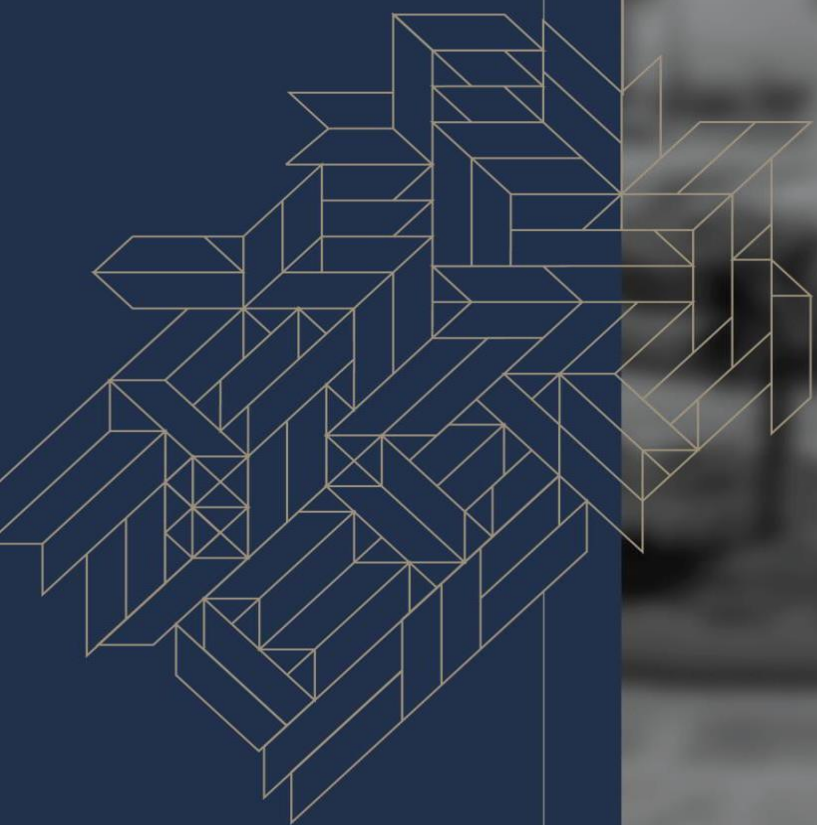




جامعة الإمام عبد الرحمن بن فيصل  
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

عمادة خدمة المجتمع والتنمية المستدامة  
Deanship of Community Service and Sustainable Development



SDG 6.4.2  
Reuse of water  
2022-2023



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## 1. Reuse of water



Treated water used in Water Fountains



Plant beds and trees consuming reused water

## 2. Reuse of water for Plants



Consumption of treated water for various plants and trees

### 3. Water sprinklers use Reuse water



1- Consumption of treated water dispensors installed in every college building

2- Recycled water used for garden sprinkler system



Recycled water is utilized for Irrigation and for garden sprinkler system

**Description:**

The grey water and brown used for flushing toilets and washing basins are collected to a central oncampus wastewater treatment plant (WWTP), where a biological aeration process is taking placed to reduce the amount of pollutants in the water to be suitable for re-use.

The WWTP capacity is 1200 m<sup>3</sup> per day which consist of : 2 working tanks + 1 sapre of capacity 600 m<sup>3</sup> Water reuse is by mixing 1200 treated WWTP with + 2800 m<sup>3</sup> of well water (TDS 10%) totally = 3600 m<sup>3</sup> per day is the amount of reused water for greening an d irrigation. The IAU is totally reuse the treated wastewater on campus with zero discharge.

