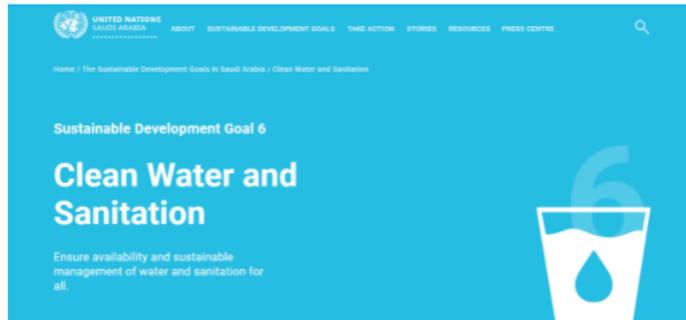


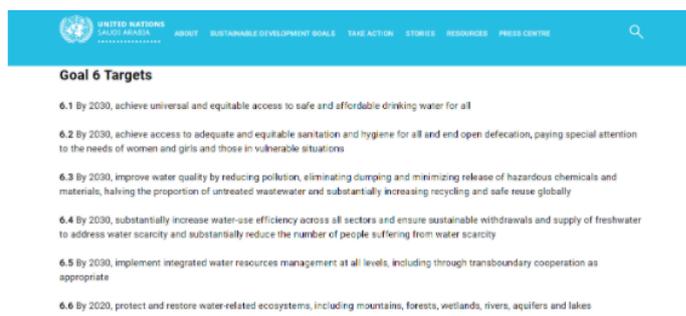
# WATER STATION AT PRINCESS NOURA BINT ABDULRAHMAN UNIVERSITY

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By 2030, implement integrated water resources management at all levels, including through Trans boundary cooperation as appropriate. In addition, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes. It will also expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies. [As well as, support and strengthen the participation of local communities in improving water and sanitation management](#)



Figure(1)



Figure(2)

## [Faculty of Health interacts with "Environment for Us and Our Generations" Week](#)

The Faculty of Health and Rehabilitation Sciences interacted with Saudi Environment Week, launched by the Ministry of Environment under the slogan "Environment for us and for our generations".

The college displayed images of motivational phrases on the electronic ad display on the ground floor, such as "Let's instill environmental awareness in all of us to have a healthy and sustainable environment."

Students Rima Al-Aiban and Reem Al-Nuweiser presented an awareness lecture entitled "Environment for us and our generations" with the aim of providing advice and guidance for environmental protection, such as intensifying tree planting for its role in climate change, using biodegradable materials, and using rainwater by preserving it for use in irrigating plants, and referring to the damage caused by non-conservation of the environment such as air pollution and water pollution.

## [Princess Noura University trees 45 campus locations](#)

On Tuesday, 3/11/2020, the Deanship of Student Affairs participated in the National Afforestation Campaign, launched by the Ministry of Environment, Water and Agriculture and the National Centre for Vegetation Development and Combating Desertification, under the slogan "Let's make it green." The campaign saw the participation of the staff and employees of Princess Noura University, in the presence of employees of the Ministry of Environment, Water and Agriculture, and the participation of female students of the Faculty of Science.

The campaign aims to contribute to the preservation of the environment, combat desertification, and contribute to increasing vegetation, by afforestation 45 sites on campus, infused with about 750 seedlings of Gulf ghaf trees and talisman.

The campaign coordinator, Dr. Najla Al-Shaya, explained that the participation of Princess Noura University promotes positive behaviors to maintain the integrity of the university environment, which reflects positively on the national environment and its development, in addition to improving the quality of life by urging students and university staff to afforestation, contributing to the activation of the activities of female students in the design of awareness messages for the community, and raising awareness of the harm of negative practices towards vegetation.

It is noteworthy that the importance of this participation aims to achieve the vision of the Kingdom 2030, and to activate the memorandum of understanding between Princess Noura University and the Ministry of Environment and Water through the cultivation of local trees low water consumption, adapted to the conditions of drought and high temperature within the university, which will be provided by the Ministry, and then attention and care by the university to ensure its sustainability.

### [Projects for this year:](#)

1. Establishment of a center specialized in sustainability and building management
  - The project aims to establish a permanent and accredited center of local and international organizations and bodies specialized in managing sustainability and facilities

- The center performs the following tasks:
  - - Countering and publishing research on energy, the environment and the management of university facilities
  - Regular professional conferences and seminars
  - - Granting professional accreditations in various fields

## 2. Adopt the Noora Health Initiative

- In the context of seeking accreditation from who and achieving the required standards, the Sustainability Department seeks as part of its participation in the initiative to:
  - - WHO standards continue to operate permanently within the university city
  - Periodic annual review of the application of standards
  - - Adding new standards that promote health and sustainability in the university city

## 3. Afforestation and Gardening Project

The project aims to upgrade the aesthetic view of the university city by raising the level of afforestation and planting flowers and increasing the green cover and the project is based on the completion of the following tasks

- - Study the need of the university city of gardens, afforestation, green spaces, fountains and waterfalls
- - Work a 3D design for the project and offer it for approval
- Preparing a phased action plan for the implementation of the project

## [Environmental Sustainability Department](#)

### Energy management:

- - Activation of BMS building management system for building energy management
- - Check the performance efficiency of the cooling plant, pumps and heaters
- - Construction of wind and solar power plants

- - Review the operation of pumps and heaters and ensure that they are suitable for energy policies
- - Follow-up project (rationalization) to monitor the consumption of electricity and appropriate solutions to avoid it
- - Check automatic lighting sensors and ensure the efficiency of their work

## Water management:

- - Ensure that the procedure and results of periodic examination of drinking water and use
- Review the operation and distribution of grey water plants
- Introducing products and practices that will reduce water use for irrigation and use

## Environmental management:

- - Conducting an internal air quality check in buildings
- Review of collection and waste disposal procedures and their suitability for standard environmental management policies
- - Providing awareness courses in colleges to deal with waste
- Field noise tests
- - Develop policies aimed at reducing the use of carpets and curtains in buildings
- - Ensure the amount of natural and electrical lighting and the appropriateness of the type of headquarters
- - Ascertain the quantities used of pesticides, fertilizers and cleaning fluids

## Garden management:

- Administrative supervision of the operation of gardens
- - Provide a study on the current need for gardens and afforestation in the university city
- Replanting desolate areas
- - Work a new aesthetic design for afforestation and green spaces and adopt and implement it

- Review periodic maintenance schedules for irrigation systems