



HASHEMITE UNIVERSITY

Sustainable Development Goals



GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION

The Hashemite university applies responsible consumption and production (SDG-12) in its environmental sustainability strategy which comprises six pillars that include: renewable energy, energy efficiency, greenery and forestry, water management, pollution mitigation, and capacity building.

the following are the most prominent achievements, initiatives and activities toward this goal:

- A. The desalination plant in which saltwater is desalinated according to the most advanced technology (reverse osmoses desalination plant), with a production rate of 83 m3 per hour, which is about three times the university's consumption. the plant is one of the most distinctive domestic and Arab plants for the production of potable water and irrigation; the solar-based plant includes a teaching and research hall, electronic water quality monitoring systems, and the plant is linked to the plant's feedback ponds for further scientific research on salts in the ponds.
- B. The Hashemite university has implemented a 5 MWp photovoltaic (PV) renewable energy project that achieved 100% energy independence for the university. the project is implemented in two parts: a grid-connected project with 1,018 MWp realized as pedestrian walkways and carparks, and a 4,016 MWp realized as a medium voltage solar farm.

His majesty king Abdullah ii visits a solar-powered water desalination plant established by the Hashemite university



- C. The faculty and management of the Hashemite university continuously deliver workshops to promote awareness for responsible production and consumption with



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the support of the local ministries (e.g. ministry of water and irrigation, and the ministry of environment).

- D. The Hashemite university takes the initiative of recycling and waste management over the campus as well as the near local communities. In 2021, the Hashemite university started “strengthening community participation in solid waste management” project in the al-hāshimiyah district, which aims to deal with solid waste management and major environmental issues faced by the A-hāshimiyah society. The project aims to end with the creation of a solid waste management center in the Al-Hāshimiyah district.

A 1 MW PV realized as pedestrian walkways and carparks,



A 4 MW PV ground array provides the majority of the university’s energy requirements.





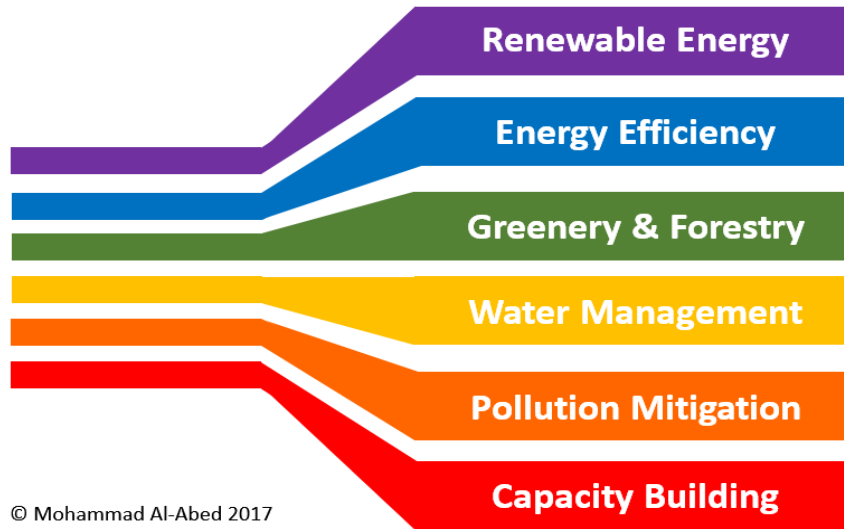
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The Hashemite university environmental sustainability strategy, which was initiated in 2016.

The Hashemite University's Environmental Sustainability Strategy Spectrum of Practices



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A project in the Al-hāshimiyah district: Strengthening community participation in solid waste management

