

Annual Report

SDG6 Clean Water and Sanitation (updates 2023 vs. 2024)

In the year 2023/2024, BUC has taken many positive steps towards water conservation and to achieve SDG 6 (Clean Water and Sanitation):

1. BUC has increased the capacity of the Decentralized Wastewater Treatment System, which can currently treat about 100 m³/day in case of operating 10 hours per day. The effluent of the plant has been connected to the irrigation network. The analysis of the effluent of the plant showed that the plant is efficient, and the treated water did not exceed the limits specified in the Egyptian code 501/2015 and thus, can be used in agriculture application.



2. BUC has hosted the "**World Environment Day Workshop** on the 5th of June 2023", in which we discussed opportunities for water saving and reuse. Recommendations of this workshop included many points related to water security and water conservation in the community, specially industries.
3. BUC is cooperating with local, regional, national or global governments on water security issue. BUC has contributed in many water related project through her Environmental Engineering Expert (Ass. Prof. Mohamed Khaled). These projects was funded by: Local institutions: (1) HCWW, (2) Ministry of Environment, (3) Armed Forces Engineering Authority, (4) ASRT, and (5) Bibliotheca Alexandria. Regional, national or global institutions: (1) UN-Habitat Egypt Programme, (2) USAID, (3) GIZ, (4) European Investment Bank, (5) European Union, and (6) EBRD. These projects are:

- Impact evaluation of UN- Habitat's water and sanitation interventions in Luxor, Asyut, Suhag and Damietta
 - Integrated Water Solutions Support (IWSS) Project: El Roda Water Desalination Plant, Aquaculture and Solar Energy
 - Needs Assessment of Public Infrastructure Service Management for the sectors of: (i) Water and Wastewater, and (ii) Waste Management, in three areas: Abnub (Asyut), Abu Qir (Alexandria), and Edko (Beheira)
 - Pre-feasibility Study For The Rehabilitation And Extension Of Various Water And Wastewater Treatment Plants Under The National Rural Sanitation Programme
 - Kafr el Sheikh Waste Water Development Project
 - Fayoum Wastewater Expansion Programme: Project Implementation Support and Contract Supervision
 - Pre-feasibility Study for the National Non-Revenue Water Programme
 - Kitchener Drain Rehabilitation Project Technical Assessment Report: Update to the Omar Bek Diversion Component
 - Removal of leachate lakes in Al-Wafaa and Al-Amal area
4. BUC hosts annually a national initiative called (Children's University). It is a program based on the education for Sustainable development (ESD) for the community. One of the Major programs in this initiative is water resource management.

