



## YILDIZ TECHNICAL UNIVERSITY

### YTU ZERO CARBON COMMITMENT

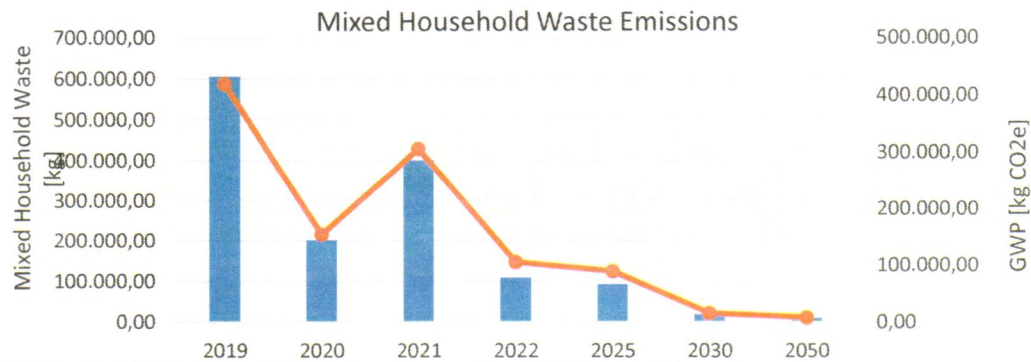
Yıldız Technical University carries out all its activities within the framework of environmental sustainability principles and offers a sustainable campus area with low carbon intensity and high quality of life to all its employees, students and stakeholders through its circular solutions to protect environment and human health.

By integrating its own policies into national and international climate change policies, YTU actively participates in resistance, mitigation and adaptation activities against the negative effects of climate change. In this frame, created environmental sustainability policies are included in [YTU Sustainable Development Policy](#) and published in 2021.

Implementing an effective, properly designed, comprehensive and high-participated zero waste management system in YTU, supports protection of biodiversity and natural resources in its [smart, green, accessible and sustainable campus](#), which constructed with appropriate infrastructure and technologies, and effective, efficient and inclusive water management. Environmentally friendly alternative transportation and micromobility options, energy efficient solutions, clean and renewable energy investments, innovative education and R&D approach which h is integrated to digital age are among the important actions that contribute to the realization of sustainable goals in [YTU Climate Change Action Plan](#).

Within the framework of these policies and plans, Yıldız Technical University, has determined under four main headlines gathered objectives: waste management, water management, energy management and transportation for a sustainable environmental management and undertake the following commitment:

- By 2025; 50% of organic waste, 20% of waste paper & cardboard and 20% of plastic waste will be reduced.
- By 2030, the total recycling rate of waste will reach 100% and all contractors and supply chains of Yıldız Technical University will be carried out with "zero waste" certificates until 2050.
- By 2025, direct emissions from waste will be reduced by 80%, and by 2030 emissions from waste will be offset.

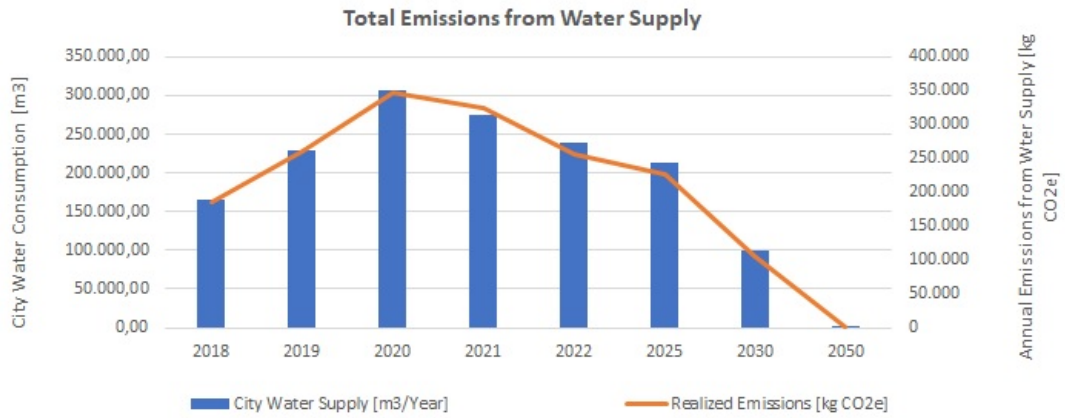


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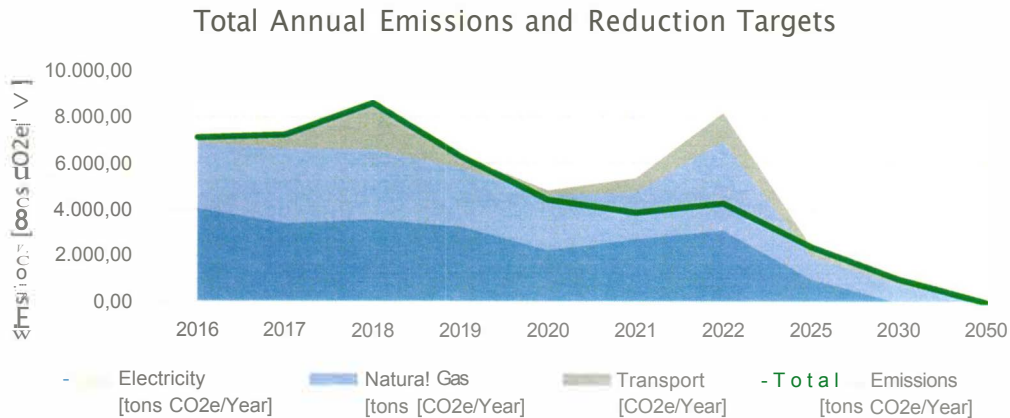


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- By 2025, YTU, which will complete establishing necessary technique for smart use and monitoring of water in buildings and campuses, will reduce the consumption of city water by 7%.
  - By 2025, as a self-sufficient campus, emissions from water supply will be reduced by 50% and all emissions from water supply will be neutralized by 2030.
- YTU contributes to prevention of the consumption of water resources with the investments it has made for the effective and efficient use of water during its activities. It is targeted that to use 100% of the recycling water by 2050.



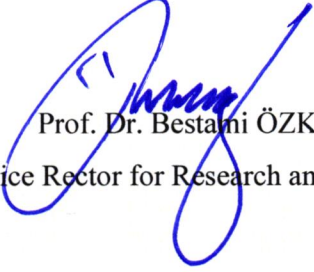
- By the end of 2024, renewable energy investments and energy-related emissions will be reduced by 75% and the entire campus will become climate neutral for supplying electrical energy in 2025,
  - By reducing the emissions from transportation to half of baseline year emissions at the end of 2025, YTU aims to reach emission neutral transport through completely using environmentally friendly vehicles on campus by 2030.
- YTU will achieve "100% Clean Energy" by 2030 and "Zero Carbon" by 2050.

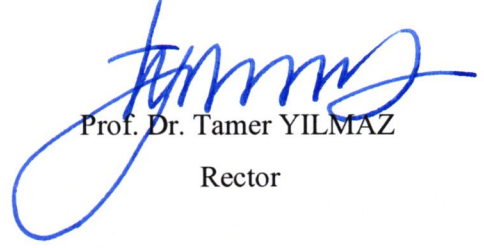




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Hereby it is declared that YTU is committed to ensuring low carbon intensity, circular solutions in its activities and achieving the UN's environmental sustainability goals by protecting the environment and human health for all its employees, students and stakeholders.

  
Prof. Dr. Bestami ÖZKAYA  
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Rector