



ALISHER NAVO'I TASHKENT STATE UNIVERSITY OF UZBEK  
LANGUAGE AND LITERATURE

# CAMPUS CARBON NEUTRALITY PLAN

---

In order to create a sustainable future, TSUULL students and staff come together to combat climate change.

# Rector's Initiative

## Plan to Achieve Carbon Neutrality by 2030

The production and consumption of energy account for the majority of our carbon emissions. Our focus will be on reducing our carbon emissions in the sectors and more, where we have made tremendous progress.

Since we have consistently been cutting our carbon emissions by every year, we can say that we have been making great progress. We still have a lot of work to do and issues to resolve, but as the effects of climate change worsen, we are extremely running out of time. With this reason, our university shall unite to take actions to sustainable life for all.

Here is how the Action Plan Strategies allow to be carbon neutral by 2030.

### ➤ Renewable energy Sources to power the Campuses and use of the most energy efficient appliances;

To power the campuses, we have switched to renewable energy sources.

To 2023, Our campuses are fully powered by the energy produced in house – by solar panels. No natural resourced energy is currently being purchased. On the contrary, the university supplies other organizations with the electricity generated by solar cells on campus since it does not own the batteries which allow energy storage.

We aim to achieve more within this strategy by exploring and putting into practice a variety of renewable energy sources, along with exploring and putting into practice a variety of technologies to build a highly efficient infrastructure, which accounts for a large portion of the carbon reduction on campus. Among those new technologies, energy storage from renewable sources for use on campus when energy demand increases is out next action we are targeting towards.

In keeping with our goals for sustainability, we are dedicated to identifying alternate sources of energy for our campus in order to drastically cut our carbon emissions and support a sustainable planet.

### ➤ Optimizing university infrastructure through energy efficient strategies;

We have made initiatives to improve our energy efficiency and address overuse of heating, lighting, and air conditioning, which allows us to both cut our fuel costs and carbon emissions.

These initiatives to date include the replacement of all lighting system with LED lamps which consume significantly less energy than the appliances the university owned prior; Main Building ground floor LED lamps have been installed with the sensor function which contributes greatly to the efficiently use of energy; The air conditioners are all installed around the campus with the inverters which is considered the most energy efficient. The university buildings are designed with wide windows with the energy efficiency purpose which means the passive daylight lighting is enough for the rooms and some corridors with stairs. The buildings are also designed with the natural air ventilation system, that considerably contributes to campus energy efficiency.

The implementation of these measures will continue throughout the campus. TSUULL strives for saving money on the annual energy bills, which leads to a decrease in carbon emissions.

### ➤ Increase recycling rate and improve waste management;

We have already taken steps to ensure that no waste from the university is dumped. We still have work to do to increase recycling rates and decrease the quantity of waste we produce. Recycling as much of our waste as we can not only benefits the environment and prevents it from being dumped in landfills, but it also saves the university money because recycling is much less expensive.

TSUULL needs to send all of its dry mixed recycling to a recycling facility for processing, and all of its general garbage should be sent to an energy recovery facility to be turned into energy.

### ➤ Reduce single-use plastic;

The university is in need to extend its partners in terms of single use plastic free businesses. There is great deal of effort put into reduction of single-use plastic so far, however, when the number of food suppliers with no single-use plastic policy will allow the university to go much more plastic free than it has ever been. It is important to replace plastic cutleries with wooden ones, plastic straws with biodegradable alternatives, provide water urns in all outlets for staff and students to refill their own water bottles and installed more water fountains across campus, biodegradable take away boxes to replace polystyrene boxes previously used.

Thus, it needs to be ongoing to remove single-use plastic across campus.

### ➤ Reduce water consumption;

It is important that there should be an implementation for water recycling on campus premises, TSUULL needs to take advantage of natural rain, snow, and other weather conditions in order to reduce the consumption of natural resources.

## ➤ Increase biodiversity on Campus;

In order to maintain and enhance animal and plant species as well as to give our students a place to conduct fieldwork, we will raise the biodiversity levels on campus. We will boost the levels of biodiversity through our estate strategy, which includes a sustainable urban drainage system, to become a natural habitat for species.

## ➤ Encourage sustainable choices across campus;

For those who needs to run quick errands, university has purchased several e-bikes. They are always parked on the bicycle rack of the university when not in use and whether staff or students can rent it for small of charge. Besides, in order to support the e-vehicle commuters, university is planning to implement charging stations on Campus to make the use of e-vehicles convenient.

Overall, these efforts will be governed by campus representatives who will set procurement strategies involving long- term financial exposure, changes to pre-determined price caps, or any change in strategy leading to a material impact on cost assumptions.

We believe, we can do more to encourage faculty, staff, and students to choose their life options with sustainability in mind. All strategies are underway, and one of their main goals is to reduce carbon emissions.