

Carbon Reduction Target

for

Tishk International University (TIU)

Target	Scope Covered	Baseline Year	Target Year	Reduction Goal	What It Means
Achieve net zero carbon emissions	Scope 1 (direct emissions from fuel combustion, university-owned vehicles, heating systems) Scope 2 (indirect emissions from purchased electricity and district heating)	2025	2050	45% reduction in carbon emissions from baseline 2025 levels	TIU will either eliminate emissions from its own energy use and operations or fully offset remaining emissions through carbon credits, renewable energy projects, or other verified measures. The goal ensures that TIU's operations are climate neutral, contributing to global efforts to limit global warming.

Explanation of the Target

- Scope 1 emissions:** These are direct emissions produced on campus, e.g., from university vehicles, boilers, or fuel-based generators. Reducing Scope 1 means using cleaner fuels, electrifying vehicles, and increasing energy efficiency in campus buildings.
- Scope 2 emissions:** These are indirect emissions from purchased electricity or heat. Reducing Scope 2 involves switching to renewable electricity sources (like solar panels), buying green electricity, or improving energy efficiency in lighting, air conditioning, and other systems.
- Net zero by 2050:** Achieving net zero doesn't always mean zero emissions—it can also mean balancing emissions with carbon offsets or absorption projects. For TIU, this could involve planting trees, investing in renewable energy, or other carbon capture initiatives.
- Importance:** Setting this target signals TIU's commitment to sustainability, aligns with global climate goals like the Paris Agreement, and encourages students, staff, and the community to engage in sustainable practices.