



Northern Border University

Sustainability

Carbon reduction target covering Scope 1&2

Northern Border University aligns with Saudi Vision 2030, which prioritizes sustainability and carbon reduction. The Kingdom aims to achieve net-zero emissions by 2060, and the university is committed to reducing Scope 1 and Scope 2 emissions through energy efficiency initiatives, renewable energy integration, and sustainable campus operations. Our university has a carbon reduction target aligned with Saudi Vision 2030 and the broader sustainability initiatives of the Kingdom. As part of Saudi Arabia's commitment to achieving net-zero carbon emissions by 2060, our university is actively working to reduce Scope 1 (direct emissions from university-owned sources) and Scope 2 (indirect emissions from purchased electricity) emissions. This commitment is in line with the Saudi Green Initiative (SGI), which aims to cut carbon emissions and enhance sustainability across various sectors, including education.

To achieve these goals, the university has implemented several initiatives:

1. Energy Efficiency & Renewable Energy Integration
 - Upgrading campus infrastructure with energy-efficient lighting and HVAC systems.
 - Increasing the share of renewable energy sources, such as solar power, to reduce reliance on fossil fuels.
2. Sustainable Campus Operations
 - Implementing smart building technologies to optimize energy consumption.
 - Reducing water and electricity waste through monitoring and awareness programs.
3. Carbon Footprint Reduction Strategies
 - Transitioning university transportation fleets to hybrid or electric vehicles.
 - Encouraging sustainable mobility options, such as carpooling and cycling.
4. Academic and Research Contributions
 - Conducting research on renewable energy, carbon capture, and sustainability practices.
 - Integrating climate change and sustainability topics into the curriculum to educate future generations.

These efforts contribute to the national target of reducing carbon emissions by 278 million tons annually by 2030, as outlined in Saudi Vision 2030. The university remains committed to supporting the Kingdom's sustainability agenda and ensuring that its carbon reduction initiatives align with global climate action efforts.