

## Energy

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### Ambitious Goal

A highly energy -efficient campus with ambition to become net-zero CO<sub>2</sub> emissions campus.

### Baseline Data 2019 (All data used as baseline are annual data recorded or computed for the calendar year of 2019)

- Electrical Energy consumption from the grid was 33,006,038 kWh.
- Electrical Energy consumption from the solar power plant was 7830536 kWh.
- Total gasoline consumption was 25739 liters.
- Total diesel consumption was 1,998,152 liters.
- Energy CO<sub>2</sub> emission was 14.094 Tons.
- CO<sub>2</sub>/FTE was 0.85 Tons/FTE.

### Objectives

- Increase the share of renewable energy in the total energy consumed at the campus.
- Energy management to achieve a net- zero emission campus.

### Actions

1. Implement energy efficiency and green measures in all new projects and buildings.
2. Expand the solar farm to meet full energy demand of the campus.
3. Apply in a gradual manner energy efficient standards to existing buildings.
4. Use an electricity incentive scheme, to provide a financial incentive for colleges and units to reduce their electricity use.
5. Monitor and analyze energy and carbon data and provide relevant information to colleges and units.
6. Raise student and employee awareness and invest in their training.
7. Review the operation of heating and cooling to ensure needs are met efficiently.
8. Install sub meters where appropriate for energy audit purposes.

## Key Performance Indicators

- Carbon emissions from energy use (Tons).
- Carbon emissions from energy use per staff and student (Tons/FTE).
- Carbon emissions from energy use per total budget (Tons/JD).
- Percentage of energy generated from onsite renewable or low carbon sources (%).
- Percentage saving of Electricity and Fuel (%).
- Number of energy audits for campus buildings and operations.

## Alignment with Sustainability Development Goals

This Action Plan aligns with UN Sustainable Development Goals:

- #7 Affordable and Clean Energy
- #9 Industry, Innovation and Infrastructure
- #11 Sustainable Cities and Communities
- #12 Responsible Consumption and Production
- #13 Climate Action

## Alignment with JUST Strategic Plan 2022-2026

- #5 University environment and infrastructure

## Challenges

- Lack of data
- Financial Resources
- Existing behavior and culture