



Environmental Sustainability: Transport and Fleet Management

By 2050, most University vehicles transporting students will have been replaced by green energy vehicles by developing partnerships with donors and industry. Green charging stations will be available on all campuses for all electric vehicles. All campuses will be bicycle and pedestrian friendly with safe storage. The transport policies of the university need to be reviewed to include strategies to reduce carbon emissions.

Intercampus and Hospital Bus Service

Number of trips and passenger utilization	 26 buses operating for the intercampus and hospital service. The bus service operations complete approximately 73 832 trips per annum. More than 9 000 students and staff daily during academic term and exams throughout the year.
Mileage and Fuel Consumption on the Bus Service Operations.	 Average of 51 692 km completed each month on the bus service operations. Average of 23 451 litres of diesel is consumed each month on the bus service operations. Average kg of CO₂ Emitted per month is 62 614 kg



Sustainable Practices Targets

- 1. Bus Service:
 - a. To reduce the emissions by 35% at the end 2025, this will reduce number of litres of diesel by 30% which will equate into cost savings.
 - b. To reduce number of trips through rationalising of routes, this will be done by reassessing routes that departs with less than 20% capacity.
 - c. Invest in driver skills training to reduce high fuel consumption.
 - d. To induce at least two electric buses to operate in our intercampus routes in 2025 second semester.

University Fleet / Vehicles

University Fleet	•	More than 200 motorised vehicles Operating in a decentralised model allocated to university schools and departments. Students, Staff and Visiting Academics requires authorisation before making use of the University fleet.
Mileage and Fuel Consumption on University Fleet	•	Average of 103 490 km completed each month to operate university fleet. Average of 10 211 litres of fuel (diesel and petrol) is consumed each month on the university fleet. Average kg of CO_2 Emitted per month is 23 805 kg



Sustainable Practices Targets

2. University Fleet:

- a. To reduce carbon emissions by 20% at the end 2025 this will reduce number of litres of fuel by 10-15% which will equate into cost savings.
- b. To centralise the management of the University Fleet in a Centralised-Fleet Management System by September 2025.
- c. To replace vehicles older than ten (10) years with green energy vehicles by introducing two electric vehicles each year from 2025 to 2029.
- d. To reduce fuel and maintenance expenditure by 40% at the end of 2025.

3. E-mobility Strategy:

The University is in the process of developing an e-mobility strategy that will pave way to different mode of transportation on our campuses. The Sustainable Development Goal 7 aims to ensure access to affordable and clean energy.



- a. The strategy aims at promoting sustainable commuting by introducing e-bicycles, e-golf carts, e-utility carts on campus from 2024.
- b. To procure the first electric vehicle by November 2024
- c. To develop infrastructure for cycling and disability mobility within campuses by 2030.
- d. To Install infrastructure such as solar powered charging stations across all university campuses by 2027.
- e. The e-mobility strategy will be fully implemented in the first three months of 2025.

4. Achievements

- The University has procured a total of 15 e-golf carts and e-utility carts as of 30 September 2024.
- The University has implemented a shuttle bus to and from the transport hub (Park Station and Rosebank), staff and students get to use this service while leaving their vehicles at their homes this has come in effect from May 2024.

5. Campaigns

- a. The Services Department hosted a successful campaign on environmental sustainability on the 3 4 October 2024.
- b. More campaigns on e-mobility will run in 2025, Gateway To Success (GTS), Transport Month and other online Workshops.