



UNIVERSITY OF
NEGROS OCCIDENTAL–RECOLETOS, INCORPORATED

Bacolod City

CHED AUTONOMOUS UNIVERSITY

#51 Lizares Ave., Bacolod City, Philippines 6100 • www.uno-r.edu.ph • 0344332449 loc 106

Transportation Sustainability Report

Sustainable Transportation Management and Campus Mobility

The University continues to strengthen its commitment to sustainable transportation through an integrated mobility system that prioritizes accessibility, operational efficiency, and environmental responsibility. The current transportation framework demonstrates a balanced approach to managing campus vehicle use while promoting shared and low-emission transport alternatives aligned with the Sustainable Development Goals (SDGs).

Campus Vehicle Management

The University actively manages a fleet of **12 institutional vehicles** dedicated to official academic and administrative operations. Daily campus access records indicate an average of **353 privately owned cars** and **100 motorcycles with combustion engines** entering the campus.

Despite this volume, the overall transportation intensity remains moderate. The ratio of **combustion-engine vehicles to the total campus population ranges from 0.045 to 0.125**, reflecting a controlled level of motorized vehicle dependence relative to the University's population.

University Shuttle Service

To reduce reliance on private vehicles and improve mobility, the University provides a **regular, free-of-charge shuttle service** for students, faculty, staff, and campus visitors.

The shuttle system consists of:

- **14 university-operated shuttle units**
- **Average capacity of 60 passengers per shuttle**
- **Approximately 6 shuttle trips per vehicle each day**

This high-capacity shared transportation system substantially reduces the number of individual vehicle trips entering and circulating within the campus. By offering an accessible and reliable alternative to private transport, the University minimizes traffic congestion, improves commuting efficiency, and contributes to lower greenhouse gas emissions.

Promotion of Zero-Emission Transportation

The University recognizes the importance of transitioning toward cleaner mobility options. While **Zero-Emission Vehicles (ZEVs) are available on campus, they are not directly provided by the University**, members of the campus community increasingly utilize environmentally friendly transportation alternatives.





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Current observations indicate:

- **Average of 4 Zero-Emission Vehicles operating on campus daily**
- **ZEV-to-campus population ratio of ≤ 0.002**

Although current utilization remains modest, the presence of zero-emission transport reflects an emerging culture of sustainable mobility and provides a foundation for future expansion of clean transportation initiatives.

Sustainable Parking Management

The University adopts a land-use strategy that prioritizes educational and green spaces over extensive parking infrastructure.

Current indicators include:

- **Total ground parking area: 14,516 square meters**
- **Parking area occupies less than 1% of the total campus area**

This limited parking allocation demonstrates the University's commitment to discouraging excessive dependence on private vehicles while maximizing land for academic facilities, open spaces, and ecological functions.

During the last three years, the University has implemented measures that resulted in **a reduction of less than 10% in campus parking area**, representing a gradual transition toward more sustainable campus land-use planning.

Initiatives to Reduce Private Vehicle Use

The University has implemented **one institutional initiative** specifically designed to reduce private vehicle use on campus. This initiative complements the free shuttle service and supports behavioral change toward shared and more sustainable transportation options.

Together, these measures contribute to reducing traffic congestion, lowering fuel consumption, and improving the overall environmental quality of the campus.

Pedestrian-Friendly Campus Environment

Walking remains a fundamental component of the University's sustainable mobility strategy. The campus provides **well-established pedestrian pathways** designed to promote safety, convenience, and accessibility.

Several sections of the pedestrian network incorporate **disabled-friendly features**, supporting inclusive mobility for persons with disabilities and ensuring equitable access to campus facilities.





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These pedestrian infrastructures encourage active transportation, reduce short-distance vehicle use, and contribute to a healthier and more inclusive campus environment.

Contribution to the Sustainable Development Goals

Based on institutional evidence, the University's transportation programs demonstrate a **significant contribution**, supporting **6–9 Sustainable Development Goals (SDGs)** through integrated mobility management and sustainable transport initiatives.

Key contributions include:

- **SDG 3 – Good Health and Well-being:** Encouraging walking and reducing exposure to traffic-related air pollution.
- **SDG 9 – Industry, Innovation and Infrastructure:** Developing efficient and accessible transportation infrastructure.
- **SDG 11 – Sustainable Cities and Communities:** Promoting inclusive, safe, resilient, and sustainable campus mobility.
- **SDG 12 – Responsible Consumption and Production:** Optimizing shared transportation resources and reducing unnecessary vehicle use.
- **SDG 13 – Climate Action:** Lowering greenhouse gas emissions through shuttle services and the promotion of low-emission mobility.
- **SDG 10 – Reduced Inequalities:** Enhancing transportation accessibility through disabled-friendly pedestrian infrastructure and free shuttle services.

The University's transportation management system reflects a strategic commitment to sustainable campus mobility by balancing operational requirements with environmental stewardship. The provision of **free university shuttle services, controlled vehicle management, pedestrian-oriented infrastructure, responsible parking policies**, and the **gradual adoption of zero-emission transportation** collectively demonstrate measurable progress toward reducing transportation-related environmental impacts.

These initiatives not only improve mobility and accessibility for the campus community but also reinforce the University's commitment to international sustainability standards and the achievement of the Sustainable Development Goals. The continuous enhancement of sustainable transportation policies positions the University as an institution that integrates environmental responsibility into everyday campus operations while fostering a resilient, inclusive, and low-carbon campus environment.

