

Annual Report
on SDG7 Affordable and Clean Energy

7.2 University measures towards affordable and clean energy

7.2.6 Clean Water and Sanitation

Strategic Plan of Thaksin University identifies the emphasis on environmental conservation, including carbon management; therefore, the related activities have to serve the plan.



กลยุทธ์ 6.7 พัฒนาสู่การเป็นมหาวิทยาลัยสีเขียว และเป็น The University of Globalization

แนวทางการพัฒนาตามกลยุทธ์ 6.7

6.7.1 พัฒนามหาวิทยาลัยให้เป็นมหาวิทยาลัยในสวน (The University in the Park) ด้วยแนวคิดมหาวิทยาลัยสีเขียวตามเกณฑ์ UI Green Metric World Universities Ranking ที่เป็นเอกลักษณ์และ Landmark ใหม่

6.7.2 สร้างมหาวิทยาลัยให้เป็นชุมชนวิชาการที่เป็นมิตรกับสิ่งแวดล้อม เช่น การส่งเสริมสังคม/ชุมชนคาร์บอนต่ำ (Low Carbon) พลังงานสะอาดและมลภาวะฐานศูนย์ (Zero Waste)

6.7.3 ส่งเสริมให้เกิดพื้นที่การเรียนรู้แบบเปิดและการทำงานร่วมแบบหุ้นส่วนและพันธมิตรทั้งในและนอกมหาวิทยาลัย (Open Learning Space) รวมถึงเป็นพื้นที่สาธารณะ (Public Space) ที่ประชาชนเข้าถึงได้

Public evidence: https://soqd.tsu.ac.th/page_detial2.php?menu=1&ids=9&mid=7&seid=44

Thaksin University has demonstrated a strong institutional commitment to sustainability by declaring its direction toward carbon neutrality in response to the global climate crisis. As one of Thailand's leading higher education institutions, the University aligns its environmental efforts with national strategies and global sustainable development frameworks. Its participation in the “ECOLIFE in U” program reflects this commitment and has earned the University recognition as one of the top three best-performing higher education institutions nationwide in 2024.



To reduce emissions and support **clean energy practices**, Thaksin University has implemented comprehensive policies encouraging both staff and students to engage in **environmentally responsible behavior**. The ECOLIFE in U initiative—organized by the Ministry of Higher Education, Science, Research and Innovation (MHESI) in collaboration with Kid Kid Co., Ltd.—promotes practical participation in sustainability actions. These include **waste separation**, **reduction of plastic use**, and **low-carbon commuting**. By encouraging daily behavioral change, the University effectively **reduces unnecessary energy consumption** and **lowers greenhouse gas emissions**.



A significant mechanism supporting **carbon reduction** is the adoption of the **ECOLIFE Filling system**, which records energy and waste management data in a measurable and transparent manner. Waste is weighed and categorized before being entered into the platform, enabling accurate calculation of how much carbon footprint is reduced over time. This data-driven approach provides evidence for continuous improvement, supports sustainability planning, and ensures accountability in carbon-neutral practices.



The University strengthens participation by awarding ECOPOINTS to individuals who actively engage in eco-friendly actions. These points can be redeemed for privileges or transferred into volunteer service hours according to faculty requirements. This incentive model encourages long-term engagement and builds a **strong culture of environmental responsibility**, while simultaneously **reducing energy use** and **carbon emissions** generated from daily activities.

Thaksin University's progress in carbon reduction is a continuation of long-standing environmental initiatives: **TSU GREEN HEART** promotes correct knowledge of waste and resource management among first-year students to cultivate sustainable habits from the beginning of university life. **TSU GO GREEN** encourages creative recycling and upcycling activities, such as eco-fashion competitions and innovation projects using recyclable materials. These projects reduce environmental impact by extending the life cycle of materials and reducing energy consumption associated with producing new products.

Both initiatives demonstrate how behavioral change and creative resource use contribute to reducing carbon emissions beyond technological solutions. Environmental responsibility is also embedded in academic learning. The General Education course **“000015131: Volunteerism for Social Development,”** taught by Asst. Prof. Seree Boonrat, integrates **sustainability themes with practical experience.** Students participate in **community-based environmental projects,** reinforcing **awareness of energy use and resource conservation.** This helps develop graduates who understand **clean-energy transitions** and can promote **low-carbon practices** in society.



As a result of these systematic and participatory approaches, Thaksin University was selected as one of the top three universities with outstanding performance in the ECOLIFE in U 2024 initiative. Between August 2024 and May 2025, the University recorded one of the highest reductions in waste and carbon footprint through the ECOLIFE platform, proving the success of - 6- its campus-wide carbon-reduction strategies. Thaksin University is scheduled to receive this national honor on 28 August 2025 at the Office of the Permanent Secretary, MHESI. Looking ahead, Thaksin University continues to move toward its vision of becoming a leading social innovation university by 2027. The University plans to expand its carbon-neutral strategies

through innovation, technology, and cross-sector collaboration. Its goal extends beyond creating a green campus—it seeks to inspire youth and Thai society to adopt sustainable, low-carbon lifestyles for long-term environmental resilience.

Public evidence: <https://www.tsu.ac.th/home/details.php?id=5442>