Annual Report
on SDG6 Clean Water and Sanitation

6.4.1 - Does your university as a body have a policy to maximize water reuse across the university?

Thaksin University has established a clear institutional policy to maximize water reuse across all campuses as part of its sustainability commitment under the TSU Strategic Plan (2023–2027), which aligns with the United Nations Sustainable Development Goal 6 (Clean Water and Sanitation). The university's policy, first implemented in 2022 and reviewed in 2024, promotes the efficient and sustainable use of water through the reuse of treated wastewater, rainwater harvesting, and circular-water innovations in both academic and operational settings. This policy operates seamlessly through five interrelated dimensions, policy and strategy, research, teaching, community engagement, and operation, ensuring that every aspect of the university's mission contributes to responsible water stewardship. At the strategic and policy level, the TSU five-year plan defines a vision for a "Green and Zero-Waste University", emphasizing the efficient use and reuse of resources. The university collaborates with the Provincial Waterworks Authority Region 5 (PWA 5) in long-term campaigns such as "Valuing Water Resources through the 3Rs: Reduce, Reuse, Recycle", encouraging behavioral change among staff and students to minimize water consumption. These initiatives also extend to campus infrastructure development, ensuring that all new or renovated buildings comply with national green-building standards that support water recycling and rainwater capture for cleaning and irrigation.

Thaksin University, Phatthalung Campus, promotes sustainable water resource management through an integrated approach to water collection, water supply production, water quality monitoring, and wastewater management. The university has established a surface water catchment area to collect and store rainwater, providing an important raw water source for its on-campus water supply system. The system has a maximum production capacity of

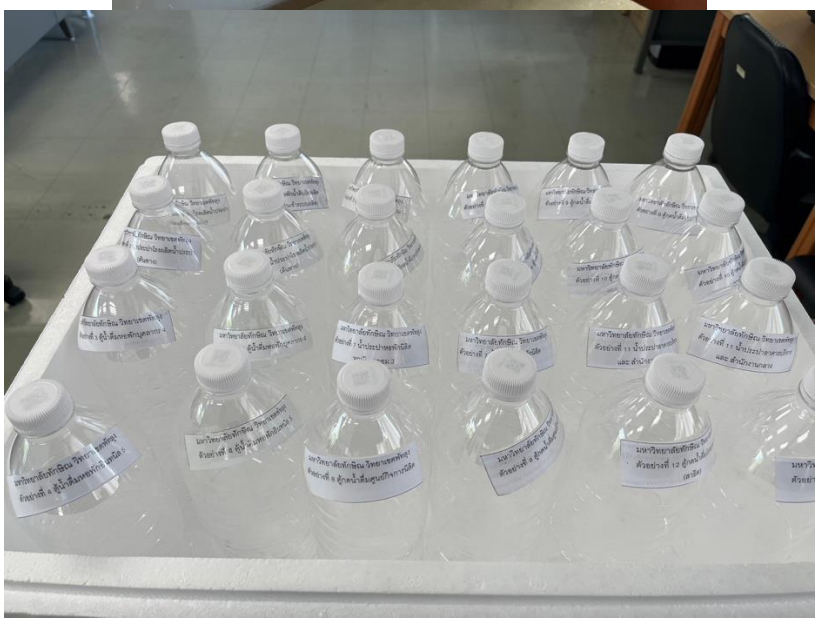
approximately 2,400 cubic metres per day, supporting the daily water needs of students, staff, and university facilities.

In addition to producing clean water, the university recognizes the importance of using water resources efficiently and reducing pressure on natural water sources. Its water management approach includes improving water filtration systems, managing wastewater, promoting responsible water use, and considering opportunities to reuse treated wastewater for purposes such as landscape irrigation, road cleaning, and building maintenance.

These measures reflect the university's commitment to sustainable water management and provide a basis for implementing and strengthening a university-wide approach to water reuse. To support the Water Reuse Policy indicator (6.4.1), the university should demonstrate that water reuse is explicitly addressed in an official institutional policy, with clear implementation measures and supporting evidence accessible to the public.







Supporting evidence:

Policy on Efficient Water Resource Management and Water Reuse

https://iro.tsu.ac.th/upload/menu/doc_20261022_104342.pdf

TSU Strategic Plan (2023-2027)

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

Thaksin University Researchers Repurpose Krajood Sedge Scraps for Wastewater Treatment in the Songkhla Lake Basin

https://www.tsu.ac.th/home/details.php?id=5572

Thaksin University Green University Policy, Section 4: Water Management:

https://sdg.tsu.ac.th/detail.php?id_list=163&aNum=20231108221217