Annual Report
on SDG 7 Affordable and Clean Energy

7.2 University measures towards affordable and clean energy

7.2.4 Does your university as a body have an energy efficiency plan in place to reduce overall energy consumption?

Thaksin University reduces energy consumption under a university-wide policy, the Guidelines for Energy and Environmental Conservation of Thaksin University (15 June 2022). Each campus turns the policy into a working plan run by an appointed energy management working group. Each campus sets energy-saving measures, runs annual training and promotion plans, tracks electricity use, and undergoes internal energy management audits. The Songkhla campus is a designated controlled building under the Energy Conservation Promotion Act B.E. 2535 (1992) and has published an energy management report every year since 2015.

1. Policy

Three levels of policy commit the University to reducing energy use.

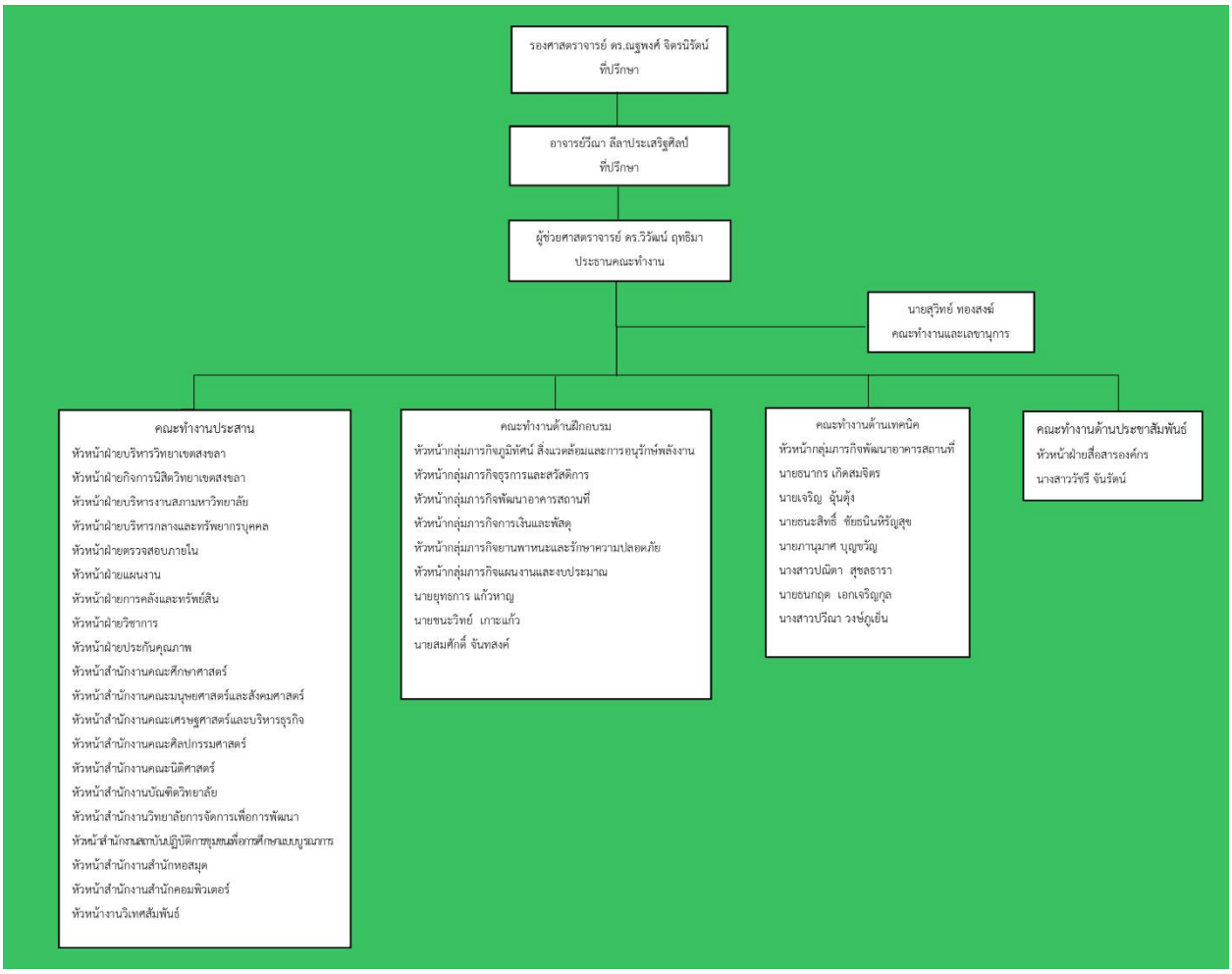
Level	Policy	Date
University	Guidelines for Energy and Environmental Conservation of Thaksin University: responsibilities, rules and commitments for reducing energy use	15 June 2022
Songkhla campus	Energy Management Policy, Songkhla Campus	Published May 2026
Phatthalung campus	Energy Conservation Policy, Phatthalung Campus	Published March 2023

2. Organization

Each campus has an appointed energy management working group and a separate team that audits its work.

Songkhla campus. The campus is a designated controlled building under the Energy Conservation Promotion Act B.E. 2535 (amended 2007). It must therefore run an energy management system and have it inspected and certified each year, as required by the Ministerial Regulation on Energy Management in Factories and Controlled Buildings B.E. 2552 (2009). Energy work is run by the Energy Conservation Unit of the Infrastructure Development Mission Group.

- Order appointing the Energy Management Working Group
- Order appointing the Energy Management Monitoring and Evaluation Team
- Order appointing the person responsible for energy in the controlled building



Phatthalung campus. The Phatthalung Campus Office runs an Energy Management Project with its own working group and internal auditors.

- Order appointing the Energy Management Working Group
- Energy management structure



3. Plan and measures

The plan reduces consumption through set energy-saving measures, efficient equipment, renewable supply and annual training.

Measure	Campus	Evidence
Energy-saving measures for buildings and staff	Songkhla	Energy-saving measures
Energy conservation projects	Songkhla	Energy conservation projects
Annual training and energy conservation promotion plans (2023, 2024, 2025)	Phatthalung	2023, 2024, 2025
Efficient use of electrical appliances	Phatthalung	GreenHeart: efficient appliances
Energy conservation program and air-conditioner maintenance	Phatthalung	GreenHeart: carbon footprint

Solar power replacing grid electricity, in use since 1 November 2024	Phatthalung	Solar power system

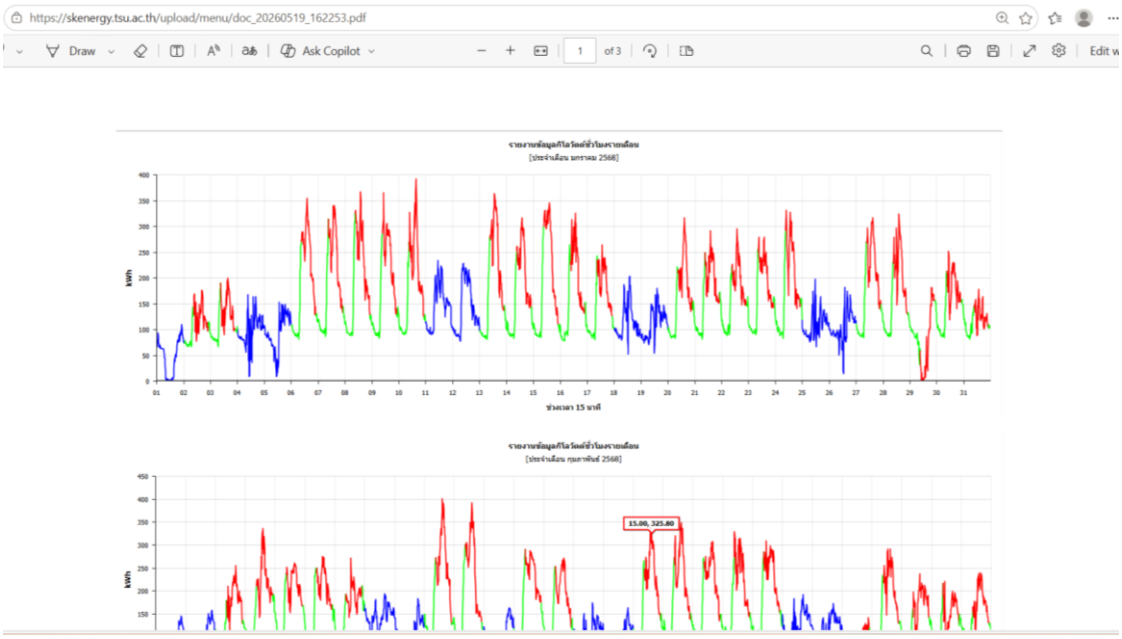
Phatthalung's decision to install solar power was based on its annual energy data for 2022–2024.

4. Monitoring and reporting

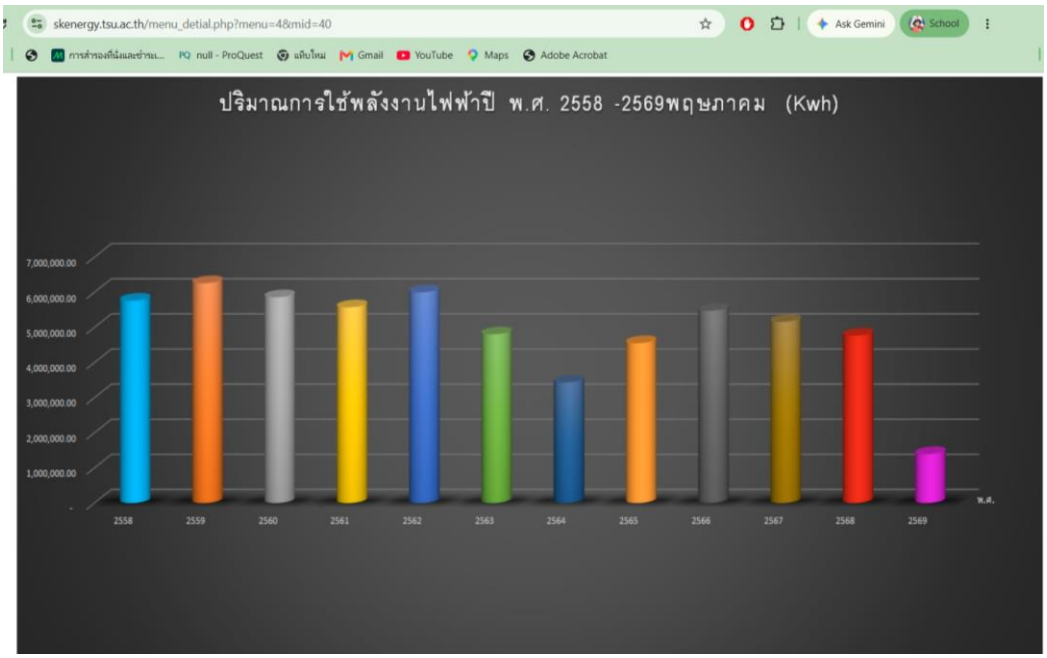
Both campuses measure electricity use, publish the data and review results each year.

Songkhla campus

- Annual energy management reports published for every year from 2015 to 2024, including the 2024 energy management audit and certification report.
- Specific energy consumption (SEC) tracked by year and by academic year, with electricity bills published for 2017–2025. doc_20260519_162253.pdf



- Smart-meter (AMR) graphs of kWh use.
  https://skenergy.tsu.ac.th/menu_detial.php?menu=4&mid=40

- 

- Minutes of energy management review meetings, where results are analysed and corrective actions agreed. https://skenergy.tsu.ac.th/upload/menu/doc_20250806_131800.pdf

Phatthalung campus

- Annual electricity use (kWh) recorded monthly since 2010, with floor area, cost and peak demand.

Evidence portals

The documents cited above are published on these public sites.

Site	Owner	Contents
Songkhla Campus Energy Conservation https://skenergy.tsu.ac.th/upload/menu/doc_20250806_131800.pdf	Energy Conservation Unit, Infrastructure Developmen	Policy, measures, appointment orders, annual reports,

	t Mission Group	SEC, bills, review minutes
Phatthalung Campus Energy Management Project	Phatthalung Campus Office	Policy, appointment orders, electricity data, solar, training plans, audit
TSU GreenHeart	Phatthalung Campus Office	Energy and climate change programs

https://adminpt.tsu.ac.th/greenheart/page_detial.php?ids=1067&menu=2&mid=783

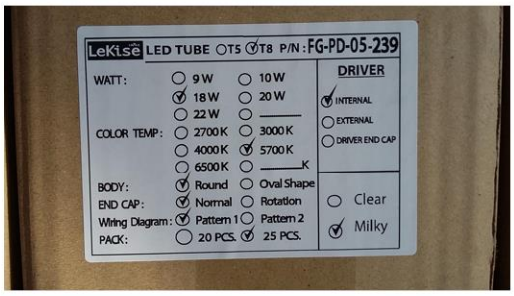
Energy efficient appliances usage are replacing conventional appliances



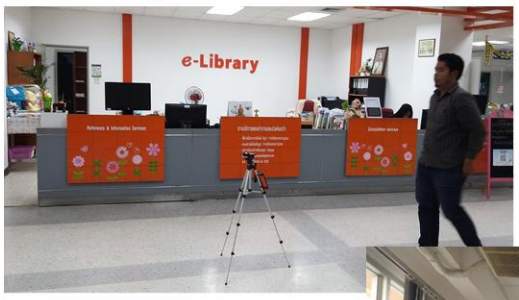
Thaksin University has replacing conventional appliances with energy efficient appliances that have a 5-star energy rating or ENERGY STAR for electronic devices and using LED light bulbs as follows

Appliance	Total Number	Total number energy Efficient appliances
LED Lamp (18W)	22,922	13,789
LED Lamp (36W)	8937	8672
Air Conditioner	2050	1998
Computer	3873	3349
Refrigerator	103	95
Electric kettle	44	44
Total	37,929	28,447
Average percent (%)	75	

"From the above, we found that 75% of these appliances are energy efficient appliances."











Conclusion

Thaksin University's energy efficient appliances usage of 75% towards total appliances