Template for Evidence(s)
UI GreenMetric Questionnaire

University : Kanchanaburi Rajabhat University
Country : Kanchanaburi
Web Address : https://green.kru.ac.th/ , https://kru.ac.th/ , https://sdg.kru.ac.th/

[2] Energy and Climate Change (EC)

[2.10] Greenhouse gas emission reduction program



Description: The greenhouse gas emission reduction program aims to decrease the amount of greenhouse gases (GHGs), which are significant contributors to climate change. This program focuses on improving resource management, production, energy usage, and human lifestyles to enhance efficiency and reduce emissions that

impact the atmosphere, such as carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O).

Objectives

1. Reduce Greenhouse Gas Emissions Across Various Sectors: including industry, energy, transportation, agriculture, or communities, the program will implement measures to promote the use of cleaner and more efficient energy sources.
2. Promote the Use of Renewable Energy: such as solar, wind, and biomass energy, to reduce dependence on fossil fuels, which are major sources of greenhouse gas emissions.
3. Encourage Forest Conservation and Green Spaces: Reforestation and ecosystem restoration play a crucial role in absorbing carbon dioxide from the atmosphere and enhancing biodiversity.
4. Promote Clean Technologies and Green Innovations: The adoption of new technologies in production, transportation, and resource management processes that reduce greenhouse gas emissions.
5. Raise Awareness and Encourage Public Participation: Educating and motivating the public and communities to recognize global warming issues and engage in greenhouse gas reduction efforts through behavioral changes.

Activities/projects implemented are as follows:

Activities/projects	Descriptions	Results
1. Improve the Electrical System within the University	- Improve the electrical system: 1. Divide the electrical usage connections into zones and adjust the load according to each zone. 2. Increase the size of electrical wires to better suit the usage. 3. Completely upgrade the connection points for incoming wires (low-voltage) from aluminum cables to copper cables. **Fiscal Year 2019:** 4,800,000 THB **Fiscal Year 2022:** 20,708,263.51 THB	In the first half of the fiscal year 2024, electricity costs decreased by approximately 1 million THB.
2. Issue Announcement on Energy Management and Resource Use Towards a Sustainable University	The university issued a Announcement on Energy Management and Resource Use Towards a Sustainable University, serving as a guideline for resource management and reducing overall electricity consumption. **Issued on:** May 14, 2024	
3. Convert Streetlights to Solar- Powered lights	Convert all streetlights to solar-powered lights in both work areas and residential areas.	
4. Establish a Schedule for Turning Football Field Lights On and Off	Establish a schedule for the football field lights as follows: **Football field** - **Tuesday:** Main lights on from approximately 18:30 to 20:00. - **Monday, Wednesday, Thursday:** Small lights on from approximately 18:30 to 20:00.	

	- **Other fields** (gym group, badminton court, table tennis court) Closed at 20:30.	

Readmore : https://green.kru.ac.th/eng/ec_2024.php , https://green.kru.ac.th/eng/criteria.php