



เรียนรู้เพื่อรับใช้สังคม



HUACHIEW CHALERMPRAKIET UNIVERSITY

SUSTAINABILITY REPORT

Academic Year 2024



To Pursue Knowledge to Serve Society

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Executive Summary

Huachiew Chalermprakiet University (HCU), established in 1992, employs more than 600 personnel, many of whom have served since its formative years. The university operates six days per week (equivalent to approximately 3,744 working hours per year) and maintains full academic functions while prioritizing environmental sustainability through deliberate efforts to reduce energy consumption and strengthen its institutional green profile.

Since 2012, HCU has implemented a systematic energy-saving program that directly supports the United Nations Sustainable Development Goals, particularly **SDG 7: Affordable and Clean Energy**, **SDG 11: Sustainable Cities and Communities**, **SDG 12: Responsible Consumption and Production**, and **SDG 13: Climate Action**. Central to this effort is the cultivation of an institutional culture of energy stewardship. Energy-efficiency practices have been embedded across all levels of university operations through structured awareness campaigns, capacity-building activities, and staff development programs. All employees received foundational training in energy conservation to enable them to apply relevant knowledge and skills in their daily routines and to serve as advocates for responsible energy use. Student participation has also been encouraged through energy-saving initiatives integrated into campus activities, complemented by community outreach programs promoting energy literacy as part of the university's corporate social responsibility agenda.

Through a combination of investment and non-investment measures, HCU has successfully reduced energy use by approximately **3,000,000 kWh**, corresponding to an estimated **2,000 tons of CO₂ emissions avoided**. These reductions generated cumulative financial savings exceeding **15 million Thai baht**, with an average return on investment of 3.37 per year. The university's strong commitment to sustainable energy management has earned national and regional recognition. HCU received the **Best Energy Saving Building Award from the Metropolitan Electricity Authority (MEA) in 2015**, followed by further distinctions at the **Thailand Energy Awards (2016)** and the **ASEAN Energy Awards (2016)**. More recently, in 2021 and 2022, HCU again received MEA recognition for best practice in energy-efficient building management, demonstrating the long-term success, scalability, and continuity of its sustainability initiatives.

HCU attributes this progress to the shared commitment of its administrators, faculty members, staff, and students, who collectively advance the university's sustainability agenda. Reflecting its dedication to global sustainability frameworks, HCU became a signatory to the **SDG Accord in 2021**, facilitated by the Global Alliance—EAUC (the Alliance for Sustainability Leadership in Education) and HESI (Higher Education Sustainability Initiative). Through this ongoing engagement, the university reaffirms its role as an institution of higher learning committed to integrating the SDGs into education, research, operations, and community engagement, thereby contributing to national and global sustainability objectives.



Figure 1 The SDG Accord

HCU's commitment to sustainability extends beyond national boundaries. By partnering with the **SDG Accord** (<https://www.sdgaccord.org/>), the university reports its sustainability practices and activities within an international framework, contributing to a global network of higher education institutions dedicated to advancing the United Nations Sustainable Development Goals. Through this partnership, HCU collaborates and shares best practices with universities worldwide, reinforcing its role in the international sustainability community. Furthermore, HCU's annual sustainability reports are disseminated through the **Sustainability Exchange**, administered by the EAUC, and are accessible at <https://www.sustainabilityexchange.ac.uk/home>. This global reporting mechanism enhances transparency, supports benchmarking, and facilitates cross-institutional learning.

The **Huachiew Chalermprakiet University Sustainability Report 2024** is organized into two major sections. **Section 1** presents the introduction and historical background of the university's sustainability journey, outlining its institutional motivation toward becoming a sustainability-driven university, the guiding principles behind its energy conservation initiatives, the organizational structure supporting sustainability programs, and notable recognitions received. **Section 2** details the university's sustainability-related activities and projects implemented during the 2024 academic year, structured according to the **17 United Nations Sustainable Development Goals**, thereby demonstrating HCU's comprehensive and goal-aligned approach to sustainable development.

Huachiew Chalermprakiet University Sustainability Committee
Samut Prakarn, Thailand

Section 1 Introduction and Historical Background

1.1 The Inspiration

From His Majesty the Bhumibhol Adulyadej's (King Rama IX) words in June 24, 1994,

“May you manage the university along the path of righteousness”

we reminded ourselves in thinking, speaking and doing to follow our King's words. We aimed to apply his words in conducting sustainability projects.



Figure 2 The auspicious opening ceremony by H.M. King Bhumibol Adulyadej

1.2 The Strategy

Active participation and effective communication among all stakeholders form the foundation of Huachiew Chalermprakiet University's (HCU) success in advancing sustainability initiatives. The university's achievements in addressing the United Nations Sustainable Development Goals (SDGs) are rooted in strong institutional commitment supported by clear policies and strategies formulated by senior leadership—including executives, deans, directors, and managers—and implemented collaboratively with faculty members, staff, students, and external partners from both governmental and non-governmental organizations. The dissemination and operationalization of these policies have collectively shaped HCU's sustainability culture.

To ensure systematic progress toward its sustainability objectives, HCU has articulated formal sustainability policies and established organizational structures responsible for guiding and implementing related activities. These structures include representatives from all levels of the university workforce and are supported by adequate institutional funding, ongoing evaluation, and continuous improvement mechanisms. University-wide participation is encouraged in all sustainability-related activities. Notable programs such as “Bike, Grow, Save,” Research to Innovation (R2I), the Sustainable Community Project, the Sustainable Arts and Culture Festival, and Sustainable Research initiatives exemplify HCU's commitment to fostering engagement and driving meaningful impact. These projects, among others, are detailed in Section 2.

In addition to program implementation, HCU actively evaluates its sustainability performance through participation in international assessment frameworks, including the Times Higher Education (THE) Impact Rankings and the UI GreenMetric World University Rankings. The integration of the 17 SDGs with the UI GreenMetric assessment categories, as illustrated in Figure 3, further supports the university's comprehensive approach to sustainable development and global benchmarking.

1.3 Employee Development and Educational Training

At Huachiew Chalermprakiet University (HCU), continuous capacity building is central to advancing institutional sustainability goals. Through systematic education and training, faculty members, staff, and students gain a clear understanding of the university's sustainability policies and initiatives, fostering long-term awareness and shared responsibility. To strengthen implementation, HCU regularly engages sustainability experts, including specialists from **SUN Thailand**, as well as keynote speakers and consultants invited to international academic conferences hosted by the university. These engagements enhance internal competencies and support the effective integration of sustainability principles into daily operations.

In addition, HCU actively benchmarks against best practices from leading organizations and adapts relevant strategies for campus-wide application. Some of these practices are also transferable to personal settings, enabling staff to extend sustainable behaviors beyond the workplace.

1.4 Smooth Transition of Administration

Since the university's initial transition toward sustainable, clean, and green practices in 2013 under the leadership of **Assoc. Prof. Dr. Prachak Poomvises (former President)**, Huachiew Chalermprakiet University (HCU) has continued to strengthen its sustainability agenda. Under the current administration of **Assoc. Prof. Dr. Uraipan Janvanichayanont**, the university has not only upheld its established best practices but has also undertaken a systematic review of existing policies to ensure that sustainability initiatives proceed **continuously, efficiently, and inclusively across all faculties and administrative units**.

The smooth transition between leadership periods is significant because it demonstrates institutional stability and long-term commitment to sustainability—a critical factor in sustaining momentum, preventing policy discontinuity, and embedding sustainability within the university's core operations. This continuity has enabled HCU to refine strategic directions, expand stakeholder participation, and promote coherence in policy implementation across academic and administrative sectors.

Moreover, in pursuit of broader global impact, HCU has progressively expanded its sustainability efforts from the local to the international arena. By applying lessons learned from both internal initiatives and global partnerships, the university continues to develop and enhance practices that align with international standards and support the United Nations Sustainable Development Goals.

Section 2 Sustainability Metrics



END POVERTY IN ALL ITS FORMS EVERYWHERE

2.1

Huachiew Chalermprakiet University (HCU) is founded by Poh Tech Tung Foundation which is the largest charitable institution in Thailand. Thus, from its early beginnings, the target of the founders is to help the needy and those at the grassroots level. As part of its anti-poverty program, the university provides a plethora of financial aid every year. There are also significant partial financial aids such as free accommodation, free school uniform as well as the provision of cost-of-living allowance. Table 1 shows the different financial aids provided by the university in academic 2024. Financial aid can be full, 75%, 50%, partial or other kind of financial aid covering the tuition fees, other matriculation fees, cost of living allowances, transportation, food, health insurance, legal counsel of the recipients, and others.

While the Huachiew Chalermprakiet University support the bottom 20% of household income, it provides more financial aids (either in full or in part) as way of giving back to the society and in concordance with the mission of its founder. Moreover, most students at Huachiew Chalermprakiet University are mostly from low middle income families, who have difficulties in attaining a higher degree education if left unsupported.

Table1. Full Scholarships and Financial Aids for Incoming Freshmen for Academic Year 2024

Types	Number of Recipients	Total Amount (in THB)
1. Full HCU Financial Aid	251	5,816,660
2. Third Party Scholarships	162	3,407,150
3. Low-interest Loans**	2793	288,759,970
4. Poh Teck Tung Foundation Scholarships	634	38,355,670
TOTAL	3840	336,339,450

*The University provides the remaining expenses of the students throughout the curriculum such as accommodation fees and provides a monthly stipend of 5000THB for the cost-of-living allowance of students who applied loan from the government. The amount above ONLY includes the money provided by the university.

**In earlier sustainability reports, low-interest financial loans were not included; graduates start to pay the low-interest loans when they reach the minimum wage mandated by Thailand's Ministry of Labor.

2.2



The university promotes food security and improved nutrition of its students and employees through its low-chemical backyard vegetable and fruit gardens despite the fact that it is not an agricultural university. In its food safety project, the university produces organic vegetables and fruits for the consumption of the staff and students. It is a project to grow fruits and vegetables without chemicals and pesticides. In addition, the fertilizer used for planting is organic fertilizer produced from leaf and organic waste within the university to be composted to become fertilizer, which will be used in growing crops within the university. The project has been in operation since 2018 and grows various types of plants such as food plants, Thai herbs and Chinese herbs for sale to employees, students and surrounding communities. Excess produce were sent to nearby markets for sale.



Organic Vegetable Project (Non-chemical)

The harvest is either sold and eaten in its fresh form or processed to be in the form of beverages, salads and other forms. The harvest are not only for the students and employees consumption, they were also used as gifts during special occasions such as birthdays, Christmas, anniversaries and new year, which introduces a healthy perspective on gift-giving and saving money for buying expensive gifts.

Students and Staff Hunger Interventions

As part of its program to reduce hunger, especially during examinations when the students may not have enough time to find food and beverages for themselves, the university introduced the feeding program during examinations. In this program, the university cooks porridge, local food and nutritious meals and feed the entire population of the university dormitories during examination periods.



Sustainable Food Choices on Campus

The university has three large canteens located in three different buildings, where each canteen can accommodate hundreds of students. As part of its mission to support local Small Medium Enterprises (SMEs) and to provide a variety of sustainably sourced food items, the university invited food trucks from local SMEs to sell food products on a rotation basis, so different kinds of food reaches the university in different days. All of these sustainable food sources for the staff and students are posted on University's Facebook page, so the staff and students can access them online.



2.3

The Ministry of Higher Education Science Research and Innovation (MHESI) of Thailand initiated the project named “Reinventing University” to promote excellence in specific areas of education. Huachiew Chalermprakiet University (HCU) actively participates in this project and has been evaluated by MHESI to be in Group 5 (Excellence in the Professions). The classification of HCU in this category is timely and appropriate to the university’s short, medium and long term strategic plans, which gear the university to be the leader in health sciences and Chinese studies.

Among the 13 faculties, six of them are in the field of health sciences, producing qualified graduates and professionals. Annually, the university produces graduates in the health science profession as shown in the table below.

Table 2. Number of graduates in each of the health science and wellbeing faculty from 2021-2023

Faculty	2022	2023	2024
Nursing	203	133	145
MA Nursing	1	5	7
Pharmaceutical Science	73	72	89
MS Cosmetic Science	1	0	0
Medical Technology	133	128	181
Physical Therapy	93	69	103
Public Health	39	66	139
Traditional Chinese Medicine	61	47	37
One-Year Practical Nursing	96	100	100
Medical Science	9	15	1
TOTAL	709	635	802
Total number of graduates	1360	1330	1312
Percentage of graduates in health science and well-being	51.47%	47.74%	61.12%

It can be seen from the table that more than 60% of the graduates of the university are health science graduates and ready to serve the health care industry of the country and the world.

The health science graduates of Huachiew Chalermprakiet University are produced in close collaboration with government hospitals and top NGOs ensure that the graduates are at par with their counterparts all over the world.

HCU Healthy Campus

Assoc. Prof. Dr. Uraipan Janvanichyanont presided over the launching of the project “HCU Healthy Campus. The activities include walking and counting steps around the stadium, planting trees in front of the auditorium. and doing aerobic dancing in front of the Chinsophonpanich Building. The activities of the project continues until 31 August 2024, whether

- Walking and counting steps until 31 August.
- Tai Chi every Tuesday and Friday (25 July-25 August)
- Aerobics every Monday and Wednesday (24 July-28 August)
- Yoga every Wednesday and Friday (26 July-25 August)
- Providing knowledge about Office Syndrome, good nutrition and mental health.



HCU Community Service

Huachiew Chalermprakiet University launched its 222nd -224th HCU Community Service Project, in collaboration with community welfare doctors of Poh Teck Tung Foundation and Om Noi Municipality, Samut Sakhon Province to build relationships between the university and the community, create voluntarism awareness for the common good and create direct experience and professional skills for students with the different faculties participating in the activity. In addition, various agencies have also joined in providing services such as providing general health check-ups, dispensing medicine, tooth

extraction, fluoride varnishing, lice removal, and distributing eyeglasses to people with vision problems for free. All services are free of charge.



Huachiew Chalermprakiet University Prevents New Smokers

Huachiew Chalermprakiet University (HCU) organized a campaign to prevent new smokers from starting to smoke and protect against second-hand and third-hand smoking. The campaign was held in September 2024 on the 1st floor of the Library Building. The opening ceremony was held on Monday the 23rd of September 2024 and presided by Ajarn Chidchanok Siddharthasak, the Director of the Student Development Office, HCU, and Ajarn Teerawut Phongsetthapaisarn President of the Community Pharmacy Foundation, Faculty of Pharmacy participated in the event and provided alcohol spray to distribute to students and university personnel. Within the event, there was an exhibition of drawings to reduce, quit, and public relations activities to promote the campaign for not smoking and being aware of the dangers of cigarettes: “Know (No) Smoking!” During the event on Wednesday, September 26, 2024, there was a live broadcast.



Sexual and Reproductive Health Programs

The Student Development Office organized the reproductive health awareness training to form a group of student representatives who would join forces with the university to take care of fellow students together in the project "Friends of Hearts, Friends of Me, Friends of You. Class 1 was held from March 18-19, 2024 at Srivaree Pavilion Hotel. A team of lecturers from Student Development Office and expert speakers, deans and deputy deans from the Faculty of Social Work and Social Welfare, and Faculty of Nursing facilitated the sexual and reproductive healthcare campaign.



Mental Health Support

The Student Development Office organized a regular basic psychology support training through its psychological counseling services in collaboration with the student guidance and welfare department.





ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND
PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

2.4

Sustainability courses

In the past, subjects in the different curricular offerings taught in the university have included key issues or topics related to sustainability embedded on them as deemed useful by the curricular managers. From academic year 2021 onwards, the university has included in its long-term strategic policy to prioritize the inclusion of sustainability in all its curricular offerings.

The ratio of sustainability courses to total courses = $39/39 \times 100 = 100\%$

Sustainability research fund

The sustainability research fund of the university comes from two main sources: (1) University or HCU Fund and (2) Outside sources. The total sustainability research fund for academic 2019 to 2024 will be shown in turn below together with the research topics in each Faculty of the university. The university research can be summarized in the table below.

Table 10 Average sustainability research fund in three years in **U.S. dollars (USD)**.

Year	Amount (in THB)	Amount (in USD)
2022	5650617	175,132
2023	7614694	236,005
2024	11712888	363,010
TOTAL	24,978,199	774,147
Average annual research fund dedicated to sustainability	8,326,066	258,049USD (76%)

From **2022 to 2024**, Huachiew Chalermprakiet University allocated a total of **774,147USD** for research activities, with an average of **258,049 USD (76%)** per year dedicated specifically to **sustainability-themed research projects**.

Calculation:

Average research fund dedicated to sustainability X 100%

Average Total Research Funds (in US Dollars) = 76.00%

Number of Events Related to Sustainability

The university has aimed towards attaining sustainability in most of the 17 UN Sustainable Development Goals (SDGs). In this section, we will provide evidence to show events, that are related to sustainability, we organized in the past three years (2022-2024). Most of these events are held every semester or three times a year or even more. For convenience in understanding the events, we divided them into two groups: (1) annual events related to sustainability, and (2) newly organized special events related to sustainability to address the long-term strategic plan of the university that started in academic year 2022. The events include conferences, seminar, workshops, awareness-raising, practical training, agreement-signing and others. From 2022-2024, there was a total 64 event types related to sustainability that were hosted or facilitated by the university and increased in frequency of holding these events in academic year 2024 with a total of 362 events held.



Number of student organizations related to sustainability

Student organizations in the university are varied. Sustainability activities are decentralized and conducted in each faculty. All of the groups below are individually managed by each of the 13 faculties. From academic year 2022 to 2024, there were a total of 25 student activities organized by students' organizations that are related to sustainability per year such the figure below:



Number of cultural activities on campus (e.g. Cultural Festival)

There was a total of 14 cultural activities held in academic year 2024 that promotes not only the culture but also sustainability and they will be discussed briefly below with images as evidence

such as the **Loy Krathong Festival and the Songkran Festival**

In the academic year 2024, Huachiew Chalermprakiet University celebrated Loy Krathong Festival on the 5th of November 2024 from 3PM to 8PM. The Loy Krathong is a festival that is observed every November and starts by creating “krathongs” and then floated in the rivers. The problem in the past is that “krathongs” made pollute the rivers, so the university prepared krathongs that are easily biodegradable – mainly made from banana leaves and trunks and some flowers. This cultural activity is done and celebrated by all the thirteen faculties of the university. Recently, due to the impact of the krathongs made on the environment, the university advocated the use of **digital krathongs** such (as the digital posters shown in pictures 1 and 2 above) to prevent any pollutant going to the different bodies of water in Thailand.



Songkran Festival

The Songkran Festival or also known as Thai New Year Festival is celebrated every month of April. The festival is aimed at paying respect to the elders by pouring water on their shoulders and asking for their blessings. This festival tradition is also celebrated in the university with few adaptations to address the needs of the current digital era. For instance, to promote sustainability, the poster of the festival was disseminated on social media and non-biodegradable posters such as vinyl-made posters were not used. At HCU, Songkran is annually celebrated few days before the actual period of celebrated to give chance to its students and employees to visit their family during this long holiday.



Number of university sustainability program(s) with international collaboration

Huachiew Chalermprakiet University (HCU) recently signed a series of Memorandums of Understanding (MOUs) with international partner institutions, reinforcing its commitment to sustainability through collaborative global initiatives. These agreements aim to foster joint activities, research projects, and knowledge exchange on pressing sustainability issues, aligning with both HCU's strategic goals and international Sustainable Development Goals (SDGs). By partnering with institutions that share a dedication to environmental stewardship, social responsibility, and sustainable development, HCU is paving the way for impactful collaborations that will benefit communities both locally and globally. Some of the MOUs and activities that emanated from those MOUs are shown below. As of 2024, there are 14 academic programs related to sustainability with international collaboration.



Education Outreach Activities Beyond Campus

The initiative by Huachiew Chalermprakiet University's Faculty of Traditional Chinese Medicine to provide free consultations, treatments, and health advice to rural communities plays a significant role in promoting health and sustainable well-being. Conducted bi-annually by teachers and senior Traditional Chinese Medicine students, these consultations address critical gaps in healthcare access for individuals who cannot afford Western medicine, particularly in rural areas where financial barriers and limited healthcare facilities can hinder health outcomes. By fostering trust and reliance on accessible, culturally relevant treatment options, the program encourages community members to prioritize their health while also recognizing the value of traditional practices in enhancing overall well-being.

Moreover, the initiative's emphasis on sourcing raw materials for medicines from local suppliers not only supports sustainable health practices but also promotes environmental awareness. By teaching communities to cultivate their own medicinal plants, the program encourages organic farming methods that contribute to ecological health and biodiversity, while reducing dependence on harmful chemicals and fertilizers. This holistic approach empowers individuals to make informed decisions about their

health and well-being, fostering a sense of responsibility toward both their health and the environment. Ultimately, this program exemplifies Huachiew Chalermprakiet University's commitment to integrating health and sustainable living, ensuring that community members can thrive in both their physical health and environmental stewardship.



[illegible]

As for the employees in the different sections of the university, it can be seen that there are more female lecturers and staff than males. Of the total 726 employees of the university, 515 or 70.94% are females.

It can also be seen in the figure below that of the 476 academic staff or lecturers, 353 are females and only 126 are males.

Huachiew Chalermprakiet University and Non-Formal and Informal Education, Muang Samut Prakan Join Hands to Promote Education for All Gender

Huachiew Chalermprakiet University (HCU) and the Center for Non-Formal and Informal Education Mueang Samut Prakan District (NFE Muang Samut Prakan) signed a memorandum of academic cooperation in supporting the development of teaching and learning curricula to meet the needs of the labor market especially labor market that supports gender equality to continuously produce professional manpower, conduct research and academic services to be used to benefit the organization, society, and community regardless of gender. This time, it is a pilot project with the Faculty of Science and Technology, one of the 13 faculties of HCU, and the Non-Formal and Informal Education, Muang Samut Prakan, one of the six in Samut Prakan province (NFE Phra Pradaeng, NFE Bang Phli, NFE Phra Samut Chedi, NFE Bang Bo and NFE Bang Sao Thong)

Gender equality activities has also reached the student body, with Mr. Jirameth Noimueang, a third year student, Faculty of Social Work and Social Welfare joinin gthe phrase writing contest and garnered the first runner-up award in the phrase writing contest to promote gender equality", which was organized by the Department of Women's Affairs and Family Institutions, Ministry of Social Development and Human Security. The Theme: "Equality, fairness, equality throughout Thailand, no discrimination: Taking into account human rights principles"



Proportion of Women Receiving Degrees

The table below presents the total number of graduates and the proportion of women graduates among the total number of graduates in the past three academic years (2020-2022), which shows that there were much more women graduates in the past three years.

	2020		2021		2022	
	Total	Women	Total	Women	Total	Women
STEM	78	63 (80.77%)	20	15 (75%)	16	10 (62.5%)
Medicine	630	567 (90%)	613	545 (88.91%)	602	537 (89.20%)
Arts/Humanities/ Social Sciences	953	716 (75.13%)	703	478 (67.99%)	742	461 (62.13%)
TOTAL	1661	1346 (81.04%)	1336	1038 (77.69%)	1360	1008 (74.14%)



ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

2.6

Water conservation program and implementation

The university has surveyed the water reservoirs within the university and found that the university has 4 clay ponds that can collect rainwater, especially during the rainy season. It also promotes a pleasant atmosphere and ecological balance on campus. The table below shows the dimensions and the water capacity of each pond.

No.	Pond	Space (m ²)	Depth (m)	Volume (m ³)
1	Health-Park Pond 1	1,390	2	2,780
2	Health-Park Pond 2	1,097	2	2,194
3	Pond behind Tang Jew Building	2,974	1.5	4,461
4	66-Rai Pond	28,270	1.5	42,405
	Total			51,840

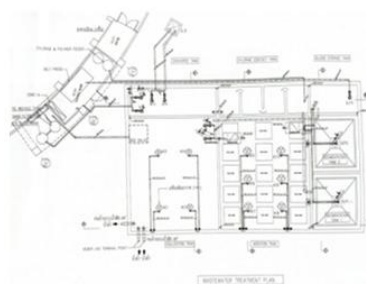


In AY 2024, the university pumps surface water from ponds located on campus to water the plants. Surface water from ponds is being pumped for watering plants larger volumes than used in 2022, with the period when Surface water from ponds is used instead of tap water for watering plants is from November 2022 to February 2023. The volume of surface water from ponds used for watering plants in 2023 is 540 m³, equivalent to 1.04% of the total volume of water of the water sources (51,840 m³).

Water Recycling Program Implementation

The university recycles wastewater with the treatment system under the biological process called Activated Sludge. (Figure 1) The processed water, then, is filled with chlorine to kill germs and disinfect other harmful contaminants. After that, the treated water is stored in the recycling pond. The

university will use 100% of recycled water for watering the plants in the university at HCU2. A total of 42 faucets have been installed to distribute water throughout the lawn and watering plants around HCU2's building. The volume of recycled water is 4,300 m³. It can reduce tap water usage by 2.11% of the total tap water volume. (202,982 m³)



Layout of wastewater treatment system



Faucet of water from water recycling

Water-efficient Appliances Usage

Huachiew Chalermprakiet University has a total of 7,198 items of water-using equipment including basin faucets, toilet bowls, faucets, urinals, and showers. At present 4,004 items out of the total are considered water-saving water equipment.

Table Total number of water-using appliances, the number of water-efficient appliances, and the ratio of water-saving appliances to all water-using appliances.

Appliance	Total Number	Total number water Efficient appliances	Ratio (Percentage)
HCU1			
Basin faucet	773	773	100
Toilet Bowl	842	784	93.11
Faucet	842	0	0
Urinal	260	260	100
Set Hand Shower	239	0	0
HCU2			
Basin faucet	1044	1044	100
Toilet Bowl	1099	1099	100
Faucet	1099	0	0
Urinal	44	44	100
Set Hand Shower	956	0	0
Total Amount	7,198	4,004	
		Average Percentage	55.63



Press pop-up handle basin faucet



Toilet flush

Consumption of treated water

The university uses treated water for consumption as follows:

1. Production of drinking water from water sources through the filtration and water quality adjustment system. The volume of water produced is 33,480 m³. (Water sources for the treated water installation are located outside the university)

2. The production of ice from tap water by using carbon resin twin-tube water filters. The volume of water produced is 108 m³. (Water sources and water treatment systems are located inside the university)

The total volume of treated water for consumption is 33,588 m³, accounting for 64.79% of the volume of all water sources. (51,840 m³)



University's drinking water 350 ml.



Machine for ice production

Water pollution control in campus area

In 2022, the university has announced a sustainability policy that aims to manage the university's water in order to achieve SDG 6 : Clean Water and Sanitation. To achieve the university's water management goals. Therefore, the Division of Facilities which is directly responsible for managing and managing the environment within the university and the energy and environmental management committee of the university with representatives from all departments and faculties have been assigned to jointly campaign and organize various activities.

Sewage Disposal

Huachiew Chalermprakiet University's wastewater treatment system employs the "Activated Sludge Process" as "the secondary treatment" at Area 1 (HCU 1) and Area 2 (HCU 2). Moreover, our university submits monthly summary reports of wastewater treatment system operation to government agencies as E-Report in the web-based database system of Pollution Control Department to Bang Chalong Subdistrict Administrative Organization, and Pollution Control Department, Ministry of Natural Resources and Environment.

These systems allow for recycling activities in which, most wastewater will be treated and reused, i.e., reuse of water in activities requiring lower water quality. The treated water is mainly used for watering plants. If there is any remaining water, it will be used to wash the road surface and use in the cooling system of the air conditioning system (after chlorination). Sludge separation of both areas is pumped out every 3 months by an external contractor (Sa-Ard Dee Part., Ltd.) and is disposed by Song Khlong Subdistrict Administrative Organization, Chachoengsao Province at a sanitary landfill.



ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL

Huachiew Chalermprakiet University strives to realize the use of additional energy saving appliances by paying close attention to efficient energy management in all parts of the organization. The contract with TW Facility Service Co., Ltd. provides care and maintenance of the electrical systems, air conditioning systems, etc., in order to achieve potential and efficient energy saving system with the use of devices such as LED lamps and fans as replacement of the existing ones. Moreover, our equipment storage room are always equipped energy efficient appliances. The most used appliances in our university had electricity saving label No.5 certification of Ministry of Energy (Thailand) and EGAT as energy efficient appliances with a Thailand's standard.

A comparison of the number of energy-efficient appliances and conventional ones, the percentage is 53.

Energy-efficient appliances at HCU

Appliance	Total Number	Total Number Energy Efficient Appliances		Percentage (Academic Year 2024)
		Academic Year 2023	Academic Year 2024	
Huachiew Chalermprakiet University, Area 1 (HCU 1)				
1. LED Lamp	32,939	27,600	27,800	84%
2. Fan	1,874	260	260	14%
3. Split Type Air Conditioner (SPT)	1,155	315	335	29%
4. Small air cooler unit (FCU)	128	0	0	0%
5. Large air cooler unit (AHU)	17	0	0	0%
Huachiew Chalermprakiet University, Area 2 (HCU 2)				
6. LED Lamp	10,013	10,013	10,013	100%
7. Split Type Air Conditioner (SPT)	958	958	958	100%
8. Fan	138	138	138	100%
SUM	47,222	39,284	39,504	
Average Percentage				53%

Source: TW Facility Service Co. Ltd.

The following formula is applied for the calculation:

$$\frac{\text{total smart building area}}{\text{total building area}} \times 100\%$$

***Total Building Area: 48,243 m²**

$$\frac{33,873 \text{ m}^2}{48,243 \text{ m}^2} \times 100\% = 70.21\%$$

Huachiew Chalermprakiet University uses the Building Management System (BMS) that entails using the Lighting Access Control system, which can control the lighting system outside the building from the control room, the auto light power on-off system, the surveillance with CCTV, and a BAS system for controlling Chiller etc. All these systems are controlled by a computer operating system. there is total smart building of 33,873 m² (from total building area of 48,243 m²).

As for renewable energy sources in campus, the University has implemented the HCU Solar Rooftop project by installing solar panels on the roof of the Lecture Building, Canteen 1 and Gymnasium (Power Purchase Agreement with Solar Energy Society Co., Ltd. on July 2, 2020). Therefore, it is self-assessed at one source, which is Solar power. It is one renewable energy source. The solar power capacity is 829.44 kW. In 12 months, the solar power generation is 3,583,180.80 kWh (829.44 kW. x 12 hr x 30 days x 12 months).



HCU Solar Rooftop Project

The university has a policy and committee to develop plans to drive activities/projects and various operations for conserving energy and environment. Huachiew Chalermprakiet University focuses on creating an

environment with green spaces, good ventilation, use of natural light, and reducing all types of pollution within the university for students and staffs to have a good quality of life. Operations related to construction and renovation reflect the policies of the university such as:

1. Energy and Environmental Conservation Policy (Notification No.026 / 2022)
2. Appointment of Energy and Environmental Management Committee (Order No.302 / 2021)
3. Use of label No.5 certification as green label of Ministry of Energy (Thailand) and EGAT as energy efficient appliances with a Thailand's standard and other energy-efficient appliances such as LED lamps, fans, split type air conditioner (SPT)
4. Green library implementation, building learning spaces as a new area in green library for use of natural light and saving energy.
5. HCU Solar Rooftop Project
6. MEA Energy Awards 2021, which was obtained from the energy-saving building contest. Previous awards garnered by the university includes The Best Energy Saving Building of MEA 2015 by the Metropolitan Electricity Authority (MEA) of Thailand with prize money of 2 million baht, and the Thailand Energy Awards 2016 and 2020, and ASEAN Energy Award 2016.

2.8

HCU Speed Up

HCU joined hands with Channel 3, a top Thai TV channel, to build personnel into professionals. Huachiew Chalermprakiet University (HCU), thinking real, acting fast, joined hands with Channel 3 to sign a memorandum of understanding on academic cooperation to create quality personnel and publicize recruitment for various positions, including exchanging knowledge through organizing various activities.





BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION

Research Income from Industry and Commerce

The report below shows the approximate income generated by each faculty from conducting research. The total income generated by all faculty is 7,522,100.75 THB.

ตัวบ่งชี้ 2.2	: เงินสนับสนุนงานวิจัยและงานสร้างสรรค์
ชนิดของตัวบ่งชี้	: บัญชีนำเข้า
เกณฑ์การประเมิน	: ค่าเฉลี่ยของคะแนนผลการประเมิน (เงินสนับสนุนงานวิจัยหรืองานสร้างสรรค์จากภายในและภายนอกสถาบัน) ของทุกคณะและหน่วยวิจัยในสถาบัน
สูตรการคำนวณ	:

$$\text{คะแนนที่ได้} = \frac{\text{ผลรวมของผลการประเมินเงินสนับสนุนงานวิจัยของทุกคณะและหน่วยวิจัย}}{\text{จำนวนคณะและหน่วยวิจัยทั้งหมดของสถาบัน}}$$

ผลการดำเนินงาน

ในปีการศึกษา 2565 มหาวิทยาลัยมีงานวิจัยที่ได้รับเงินสนับสนุนรวมทั้งสิ้น 8,809,368.75 บาท โดยประกอบด้วย เงินสนับสนุนงานวิจัยจากมหาวิทยาลัย จำนวน 1,287,268.00 บาท และเป็นเงินสนับสนุนงานวิจัยจากหน่วยงานภายนอก จำนวน 7,522,100.75 บาท (เอกสารหมายเลข 2.2-1)

ตารางที่ 2-1 จำนวนเงินสนับสนุนการวิจัย มหาวิทยาลัยหัวเฉียวเฉลิมพระเกียรติ ปีการศึกษา 2565

สังกัด	จำนวนเงินสนับสนุนงานวิจัย (บาท)	จำนวนอาจารย์ประจำปฏิบัติงาน	จำนวนเงินต่อคน (บาท)	คะแนนที่ได้ (เต็ม 5 คะแนน)
กลุ่มสาขาวิชาวิทยาศาสตร์และเทคโนโลยี				
คณะวิทยาศาสตร์และเทคโนโลยี	2,084,836.75	42.00	49,638.97	4.14
กลุ่มสาขาวิชาวิทยาศาสตร์สุขภาพ				
คณะพยาบาลศาสตร์	105,296.00	46.00	2,289.04	0.23
คณะเภสัชศาสตร์	220,986.00	43.50	5,080.14	0.51
คณะเทคนิคการแพทย์	99,847.50	29.00	3,443.02	0.34
คณะกายภาพบำบัด	49,660.00	26.00	1,910.00	0.19
คณะสาธารณสุขศาสตร์ฯ	250,595.00	22.00	11,390.68	1.14
คณะการแพทย์แผนจีน	84,750.00	15.00	5,650.00	0.57
กลุ่มสาขาวิชามนุษยศาสตร์และสังคมศาสตร์				
คณะสังคมสงเคราะห์ศาสตร์ฯ	481,143.00	9.00	53,460.33	5.00
คณะศิลปศาสตร์	614,146.50	51.50	11,925.17	2.39
คณะบริหารธุรกิจ	3,490,480.00	34.0	102,661.18	5.00
คณะนิติศาสตร์	879,197.75	8.00	109,899.72	5.00
คณะนิติศาสตร์	448,430.25	6.00	74,738.38	5.00
วิทยาลัยจีนศึกษา	0.00	20.00	0.00	0.00
รวม	8,809,368.75	352.00	25,026.62	29.50

$$\text{คะแนนเฉลี่ย } 29.50/13 = 2.27$$

An example of research project that sold for 1 million baht for the use of product copyright for three years is shown below.



Huachiew Chlaermprakiet University through its Faculty of Traditional Chinese Medicine unveiled the “Inyang”: Relax Product. The product is meant to calm the mind and nerves so the individual becomes relaxed. It is not being marketed in collaboration with Sappe Company, a well-known beverage company in Thailand that produce and export products all over the world. Another product is the Power Booster. This product was produced by the Faculty of Traditional Chinese Medicine from research to be a start-up project. It is now being marketed in collaboration with Sappe Company, a well-known beverage company in Thailand that produce and export products all over the world. This product helps boost energy to kickstart an sluggish day. The university signed an MOU with Sappe to use the formula of this products for three consecutive years and renegotiate after the expiry date.

The Maingo or the Mangeferin-on-the-go is an innovative product of the Faculty of Pharmacy that came from award-winning research. The active ingredient is Mangeferin, which is a substance from the leaf of mangoes. Mango leaves are harvested after all mango fruits are harvested to prevent mango leaves from falling and being burned by farmers. The product is already available online in the university’s drug store.



2.10



REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES

Since the granting of its university status in 1992, Huachiew Chalermprakiet University has been providing financial support to international students staying in the university lead to a degree, certificate, institutional credit or other qualifications.

In 2024, more students from low middle income country such as the Philippines travelled to Thailand and joined Huachiew Chalermprakiet University's International Training and Immersion Programs for Health Sciences and Forensic Science reaching a total 20 programs. Some examples are shown in the Table below

International Training and Immersion Program Credit Transfer	Sending Institution	No. of Attendees FTE (3/4=.75)	Support Provided to All Participants
1. Intensive Training and Immersion Program for Medical Technology	Saint Louis University, Philippines	22.5	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers Paid accommodation for all accompanying lecturers Paid training for accompanying teachers Paid cultural activities Free international services fee Free 24/7 counseling and consultations on health and other concerns Paid one night accommodation of parents if they decide to visit their children
2. Intensive Training and Immersion Program for Medical Technology	University of Baguio, Philippines	11.25	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers

			Paid accommodation for all accompanying lecturers Paid training for accompanying teachers Paid cultural activities Free international services fee Free 24/7 counseling and consultations on health and other concerns Paid one night accommodation of parents if they decide to visit their children
3. Intensive Training and Immersion Program for Pharmaceutical Science	Saint Louis University, Philippines	31.5	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers Paid accommodation for all accompanying lecturers Paid training for accompanying teachers Paid cultural activities Free international services fee Free 24/7 counseling and consultations on health and other concerns Paid one night accommodation of parents if they decide to visit their children
4. Intensive Training and Immersion Program for Forensic Science	University of Baguio, Philippines	9.75	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers Paid accommodation for all accompanying lecturers Paid training for accompanying teachers Paid cultural activities Free international services fee Free 24/7 counseling and consultations on health and other concerns

			Paid one night accommodation of parents if they decide to visit their children
5. Intensive Training and Immersion Program for Medical Technology	University of Saint Louis Tuguegarao, Philippines	9.75	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers Paid accommodation for all accompanying lecturers Paid training for accompanying teachers Paid cultural activities Free international services fee Free 24/7 counseling and consultations on health and other concerns Paid one night accommodation of parents if they decide to visit their children
	TOTAL	84.75	

Campus facilities for the disabled, special needs and/or maternity care

The university recognizes human equality as important, so it has provided equal facilities for students and staff. Students with disabilities and special groups have equal access to campus facilities as regular students. The building usage of students and employees with disabilities and special groups has been surveyed to ensure that facilities for disabled and special needs are installed in all building. Facilities installed in buildings used by students and employees with disabilities and special needs include:

- Toilet for disabilities and special people
- Ramps for disabled people
- Disabled people parking
- Handrails in the study building
- Elevator for disabled people



In 2024, the results of the survey on the use of disabled and special needs in buildings. It was found that in every building used by students and employees with disabilities and special people, all facilities can be fully operated. The buildings with facilities disabilities and special needs are as follows:

Facilities for disabled or persons with special needs in each building

	Building Names	Total operation area (m ²)	All Faciilities for disable, special needs in each buliding	Operating conditions
1	Study Buildings	35,940	T,R,P,H,E	√
2	The Auditorium	3,896	T,R,P,H	√
3	The library	8,800	T,R,P,H,E	√
4	The Five-Story Science Laboratories Building	4,772	T,R,P,H,E	√
5	Administration Building	10,735	T,R,P,E	√
6	Stadium	2,162	T,R,P,H	√
7	Student Dormitory 2	4,355	T,R,P,H	√
8	Student Dormitory 1	5,485	T,R,P,H	√
9	Student Dormitory 3	8,200	T,R,P,H	√
	Total			

NOTE: T = Toilet, R = Ramps, P = Parking, H= Handrails, E= Elevator, √ = fully operation



**MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE,
SAFE, RESILIENT AND SUSTAINABLE**

International Cultural Performances

In the academic year 2024, the Huachiew Chalermprakiet University Hun Khon Group (หุ่นคน) has been invited to perform in the international arena to showcase Thai human puppet. Some examples are shown below:

Performance in the 16th World Chinese Entrepreneurs Conference



Performance in the Flight Operations and Training Regional Conference



Number of cultural activities on campus (e.g. Cultural Festival) including virtual activities (if any)

There are several Thai cultural activities that promotes not only the culture but also sustainability and they will be discussed briefly below with images as evidence.

1. Chinese New Year Festival



Huachiew Chalermprakiet University is the only private Chinese university in Thailand. Briefly,

Huachiew Chalermprakiet University was founded by the Poh Tek Sieng Tung Overseas Chinese Foundation, which is the largest charitable Chinese organization in Thai society. To commemorate the goodness and honor the noble goal of this Chinese Foundation, we celebrate the Chinese New Year Festival. As part of Huachiew Chalermprakiet University's commitment as a green university, candles and joss sticks were used as displays but they were not burned prevent air pollution.



Picture 1 depicts the festival's e-poster. Pictures 2A to 2C unveils the Chinese tradition of paying respect to ancestors. Picture 3 shows the HCU group marching around the campus and towards the administration building. Pictures 4A and 4B show members of the administration praying for the prosperity of the university and all the stakeholders. In Picture 5, members of the administration wishes the students and employees a Happy Chinese New Year, with gifts provided to all participants of the festival.

The blessed candles are brought to the university and offered in front of the Thai Pavilion, which is believed to house the Protector of the university.

Access to Library, Museums and Buildings

Huachiew Chalermprakiet University provides free access to buildings, museums, sports facilities, library and other facilities. Visitors who wish to access the facilities should provide an official identification card such as the Thai Identification card, Driver's License or even passport. Students can show their student IDs

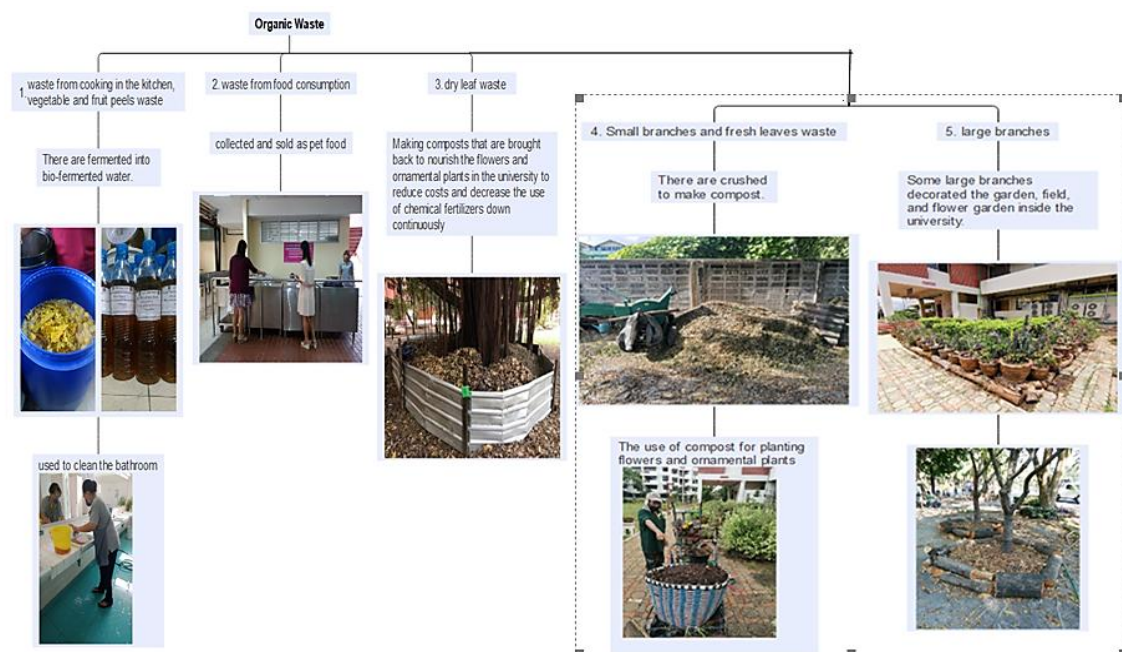


ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

Huachiew Chalermprakiet University (HCU) has strategic objectives to be a sustainable and green university in accordance with Sustainable Development Goals (SDGs) of the United Nations. The waste management at HCU classified waste into three groups: (1) organic waste, (3) inorganic waste, and (3) toxic waste. Waste management is carried out by following the process guidelines according to 3R principle: **Reduce, Reuse, Recycle**. Reduce means to minimize the amount of waste we create. Reuse refers to using items more than once. Recycle means putting the waste to a new use instead of throwing it away.

Organic waste

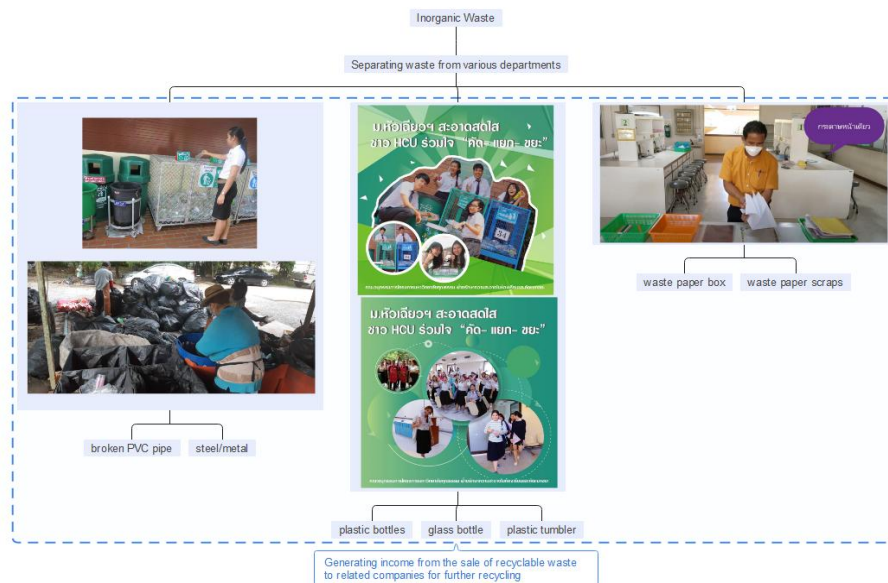
All organic waste was used for treatment/re-use as follows:



Organic waste treatment/reuse

Inorganic waste

All inorganic waste was used for treatment/re-use as follows:



Inorganic waste was used for treatment/re-use

Electronic waste

All Electronic waste was used for treatment/re-use as follows:



Electronic waste was used for treatment/re-use

Organic Waste Treatment

Organic waste is mostly produced by the university staff and students' activities that will generate a lot of waste and affects sustainable environment. Organic waste comes from 1) cooking in the kitchen, vegetable and fruit peels, and meat waste 2) food consumption, and food waste 3) dry leaves waste 4) fresh leaves waste 5) other waste such as large branches. Waste treatment policy can be created in a various way, as shown in the flowchart. The percentage of organic waste treatment in the university is around 88%, which was obtained by dividing the total amount of organic waste treated in tons (40.68) by the total amount of total organic waste in kilograms (46.45).

Total volume organic waste produced (tons)	46.45
Total volume organic waste treated (tons)	40.68
% volume organic waste treated	87.57

Percentage of organic waste treatment

Inorganic Waste Treatment

The university has inorganic waste such as paper, plastic, glass bottles, iron/metal, UHT milk cartons. These are managed by defining the point of disposal, collecting, sorting, and selling to related companies for further recycling. However, garbage (solid wastes) that cannot be sold, such as plastic wrap for snacks, plastic bags contaminated with food waste. After being sorted, they will be gathered in black bags and sent to the Sub-district Administrative Organization for further storage and management. The percentage of Inorganic waste treatment per total Inorganic waste volume is 100.

Total volume inorganic waste produced (tons)	296.96
Total volume inorganic waste treated (tons)	296.96
% volume Inorganic waste treated	100

Percentage of inorganic waste treatment



TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

2.13

The university's total carbon footprint (CO₂ emission in the last 12 months) was 4,079 metric tons divided by total population (8,024 persons) yielded 0.51 metric tons per person.

For the number innovative program(s) in energy and climate change, the university employs seven programs. Our innovations that emerge involve saving energy and resources in order to participate to mitigating global warming and climate change. These innovations represent the reduction of student's fuel consumption for traveling from home to university, the reduction of paper use, the reduction of daily plastic use and environmental protection, and environmental conservation which include the following details:

1. The invention of the innovative bike for collecting leaves within university by Building Division (Routine to Research Project).
2. HCU VR Zone and their instruments in our green library for learning of staffs and students. The development of digital transcripts by the graduation department, Registry and Processing Office.
3. E-Tracking System Program for Procurement Document Tracking, a system for tracking the status of procurement document work (Developed by Ms.Prawee Palakkul, Digital for Education Center).
4. E-Assess System Program for Performance Evaluation, a system for evaluating the performance of personnel (Developed by Ms. Prawee Palakkul, Digital for Education Center) Development of a real-time status display for dormitory students by the student dormitory department.
5. E-Booking System Program for Meeting/Seminar Room Reservations, a room reservation system for staff and students at the Information Resource Center (Developed by Ms.Prawee Palakkul, Digital for Education Center).
6. TCHAMIC (Thai - Chinese Herbal Medicine Information Center) Data Recording System Program, a system for recording Thai - Chinese herbal medicine data at the Thai - Chinese Herbal Medicine Information Center (Developed by Ms. Prawee Palakkul, Digital for Education Center).



CONSERVE AND SUSTAINABLY USE THE OCEANS, SEA AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

2.14

Marine Life Rescue

This activity involves volunteers from all 13 faculties of the university. It is both a fund drive and cleaning drive activities that is aimed at decreasing pollution along the seashore.



กิจกรรมเพียบไม่มีเบื่อนะครับบบ

Garbage Segregation

Garbage Segregation for Better Waste Management

This activity is conducted three times a year before the beginning of the semester to promote awareness for the incoming freshmen and to remind older students of their role in preventing climate change by helping segregate garbage as they throw it in the bin. The actual implementation is managed by the student-head of the class to make sure it is actually implemented.



ขยะต้องการที่อยู่
"โปรดทิ้งให้ถูกที่ ชีให้ถูกทาง"

EcoLife Promoters



This activity is managed, maintained and facilitated by the university student council with volunteers from different faculties facilitating and joining the weekly activities. The activity is conducted during breakfast and lunch when many people (students and staff) are in the canteen enjoying their meals. The EcoLife Promoters specifically promotes awareness for avoiding single-use plastics.

2.15



PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

Huachiew Chalermprakiet University Bangplee Campus (HCU1 & HCU2) has a total area covered in forest vegetation of 63,514 m². The ratio of the area covered in forest vegetation to the total area is 15.87%.

In 2023, the university has a plan to manage the green space of the university. The annual plan is to plant trees to replace dead or damaged trees to keep the university green and shady throughout the year, and tree planting activities to increase green space, including tree planting activities at HCU Healthy Campus on July 24, 2023, the university held a tree planting activity, which is one of the activities to highlight the importance of tree planting and provide opportunities for students, staffs, and administrators to plant trees to raise awareness of participatory green space preservation, with 45 trees are *Tecoma Stans* (L.) Kunth and 5 *Madhuca esculenta* H.R. Fletcher. trees are planted, representing approximately 200 m². (<https://www.hcu.ac.th/event/1069>)



Tree planting activity to increase the green area of the university on July 24, 2023

In addition, the university has various activities to promote the increase of green areas to the surrounding communities. For example, Mangrove Forest planting event on April 1, 2023 by students and lecturer from the Faculty of Public Health and Environment Planting trees with personnel from the Public Health and Health Sciences Students Union of Thailand at the Royal Thai Army Nature Education Center by planting mangrove trees. The type of tree that is planted is mangrove tree.

Total area on campus covered in planted vegetation of = 102,135.5 m². With the total area of 400,114 m², the university has the ratio of the planted vegetation area to the total area of 25.53%.

Community Tree-planting

Huachiew Chalermprakiet University conducts tree planting activities together with its students to inculcate in the minds of the students the importance of watershed and to help combat global warming. Tree-planting activities are quite common in the university, given its determination to help provide a greener and cleaner environment. In the image below, the tree-planting activity was conducted near a temple.



Conservation: plant, animal, food and agriculture secured

In academic year 2024, Huachiew Chalermprakiet University has announced the university's sustainable development policy. The aim is to promote landscape management within the university to create ecological balance, which will lead to the conservation of plant and animal species living on campus to be able to sustainably live and ensure stability and biodiversity. The plan to implement the project for plant and animal conservation is included in the action plan and assigned to the Building Division, Financial Affairs Department and Faculty of Public Health and Environment to jointly implement the project according to the plan as shown in Table 5.

Table 5 Action plan for plant and animal conservation 2021-2023 (Medium-Term Project)

	Project/Activity	academic year			
		2022	2023	2024	
1	Animal Conservation Projects				Division of Buildings
	1.1 Explore bird species on campus		←→		
	1.2 Explore wildlife on campus			←→	
2	Plant Conservation Project				Division of Buildings
	2.1 Explore tree species on campus			←→	
3	Food Safety Project				Financial Affairs Department
	3.1 Growing fruits and vegetables without pesticides and chemicals	←→			
	3.2 Sell organic fruit and vegetable products	←→			
4	Water Resources Conservation Project				Division of Buildings
	4.1 Improve water quality in the pond			←→	
5	Community Reforestation Project for Plant and Animal Conservation (Local Community)				Faculty of Public Health and Environment
	5.1 Mangrove Forest planting volunteers to increase green space			←→	

Animal Conservation Projects

To achieve and sustainable animal conservation. The university has a project to promote sustainable bird learning and bird conservation within the campus as the diversity of bird species can indicate the integrity of green spaces and the university's ecosystem. In 2024, a sign birds found on campus will be created in addition to those found on campus in 2022 and data on all bird species surveyed on campus as a database to monitor the university's ecological condition.



Students scan signs to educate about birds found on campus.



Elected Representation

Huachiew Chalermprakiet University promotes democracy and recognizes that the presence of an independent Supreme Student Council or Union helps in providing governance input, provides support for students, and provides support and conduct of social activities. Student Committee Election Project Faculty of Science and Technology Academic year 2024



During the students' electoral process, HCU encourages all bonafide students to exercise their rights of suffrage or the right to choose the people who would lead them.



The new top officials of the Huachiew Chalermprakiet University Supreme Student Council are presented below

Lawmakers' Outreach Services/Free Legal Services for Stakeholders

Ease your suffering with the Legal Advice Center for Citizens Faculty of Law Huachiew Chalermprakiet University. Questions such as “Can I claim compensation from a third party?” Community issues such as problems with small houses or third-party houses, family issues and the like.

Ajarn Sirinphon Tharamat, law practitioner and lecturer at the Faculty of Law, Huachiew Chalermprakiet University can be consulted free of charge through the Legal Advice Center for the Public of the Faculty of Law, Huachiew Chalermprakiet University. Tel. 02-713-8100 ext. 1689.



Proportion of Graduates of in Law and Civil Enforcement

In its mission to support good governance as well as an ethical and moral society, Huachiew Chalermprakiet University has continually identified areas it can serve for the betterment of the society. The table below shows the graduates in law and civil enforcement in the past three years.

Degree/Academic Year					
2021 Total	2020 Law & Civil Enforcement (%)	2022 Total	2020 Law & Civil Enforcement (%)	2023 Total	2020 Law & Civil Enforcement (%)
1336	100 (7.49%)	1360	153 (11.25%)	1330	164 (12.33%)

From the table, it can be seen that in the past three academic years, there were increasing percentage of graduates in the law and civil enforcement area.

2.17

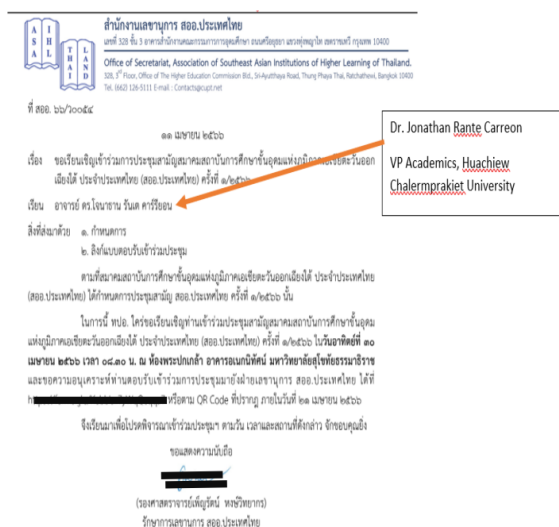


Relationships to Support the Goals

Huachiew Chalermprakiet University (HCU) is a member of the Association of Southeast Asian Institutions of Higher Learning (ASAIHL). ASAIHL officials and members hold meetings several times a year to discuss various issues related to higher education and how to address world issues such as those raised Sustainable Development Goals of the United Nations. ASAIHL officials and members hold meetings several times a year to discuss various issues related to higher education and how to address world issues such as those raised Sustainable Development Goals of the United Nations.

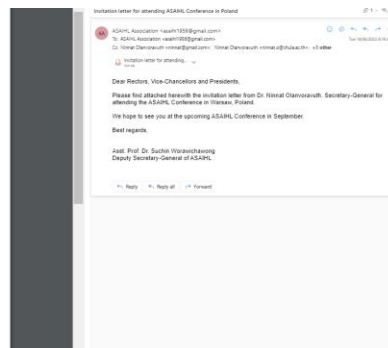
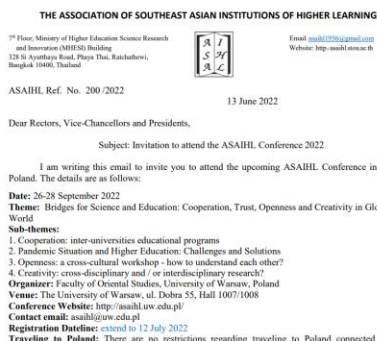
Through this partnership, HCU can has direct involvement in, or input into, national government or regional non-government organizations SDG policy development - including identifying problems and challenges, developing policies and strategies, modelling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management.

Below are the meetings attended by Huachiew Chalermprakiet University for Academic Year 2022-2023, with the arrow showing the location of Huachiew Chalermprakiet University Official participating the meeting and the logo of ASAIHL.



This regional organization looks not only on higher education issues but also issues related to the immediate concerns of society such as creating policies, models, identify problems and challenges

that are related to the attainment of the UN's Sustainable Development Goals through the help of Higher Education Institutions. Examples of projects discussed in meetings and conferences shown below.



The university signed an agreement with EAUC to collaborate closely in gathering data on addressing the SDGs. **The full Sustainability Report of Huachiew Chalermprakiet University can be accessed here:**

<https://sustainability.hcu.ac.th/wp-content/uploads/2024/11/Sustainability-Report.pdf>

Other Reports

Please find below the link to other annual sustainability reports of Huachiew Chalermprakiet University. The gathering and reporting of data was in collaboration with SDG Accord and published on the Sustainability Exchange website:

Annual SDG Accord Report 2024

[file:///C:/Users/User/Downloads/2024_sdg_accord_progress_report_1%20\(3\).pdf](file:///C:/Users/User/Downloads/2024_sdg_accord_progress_report_1%20(3).pdf)

More than a university project

https://www.sustainabilityexchange.ac.uk/ckfiles/0_SDG_ACCORD_CASE_STUDIES_2024/CS47_SDG_2024_case_study_Huachiew_Chalermprakiet_University_More_than_a_University.pdf

International Skills Training

https://www.sustainabilityexchange.ac.uk/ckfiles/0_SDG_ACCORD_CASE_STUDIES_2024/CS46_SDG_2024_case_study_Huachiew_Chalermprakiet_University_Case_Study_Health_Training.pdf