



國立勤益科技大學
NCUT
National Chin-Yi University of Technology

University : National Chin-Yi University of Technology
Country : Taiwan
Web Address : www.ncut.edu.tw



[SDG 12] Responsible Consumption and production 責任消費與生產

[12.3.1] Does your university as a body measure the amount of waste generated and recycled across the university??

National Chin-Yi University of Technology (NCUT) is deeply committed to sustainability, with a clear focus on resource recovery, recycling, and the promotion of environmental preservation. Through its comprehensive efforts, NCUT seeks not only to reduce waste but also to enhance the quality of life for its community while ensuring ecological protection and creating a sustainable future.

Promoting Resource Recovery and Recycling

NCUT actively participates in and encourages responsible waste management by promoting resource recovery and recycling. These efforts are integral to conserving resources and reducing environmental impact. By placing resource recycle bins throughout its buildings and fostering awareness of recycling benefits, the university contributes to a culture of environmental stewardship.

Sustainable Resource Utilization

Sustainability is central to NCUT's mission. The university strives for efficient resource management, with initiatives that reduce consumption and promote the responsible use of materials. This reduces its environmental footprint and supports long-term sustainability goals.

Enhancing Quality of Life and Preserving the Environment

NCUT believes that a sustainable approach to living directly improves the quality of life for its community. Through waste reduction, resource conservation, and environmental preservation, the university promotes a cleaner, healthier living environment that extends to society at large. Protecting natural habitats, biodiversity, and ecological balance is a top priority, and the university's sustainable practices help minimize its ecological impact.

Creating a Healthy, Safe, and Comfortable Living Environment

NCUT's efforts in resource recovery, recycling, and sustainability ultimately aim to create a safe and comfortable living environment for everyone. The university fosters an atmosphere where environmental responsibility is ingrained in daily life, ensuring the well-being of future generations.

Recycling Initiatives

NCUT has outlined specific recycling categories to manage its waste:

1. **Plastics:** Beverage cups, PVC bottles, Yakult bottles, milk bottles, etc.

2. **Glass:** Items like glass jars.
3. **Metals:** Iron wire, nails, iron plates, machinery.
4. **Waste Paper:** Magazines, books, photocopy paper, fax paper, recycled paper, newspapers.
5. **Waste Batteries:** Dry batteries and other types.



Garbage reduction compressor: NCUT installed a 13.8KW garbage compressor (as shown in the picture) in June 2022 to reduce the number of garbage removals.

Food Waste Management

NCUT has a robust food waste management system, providing bins for food waste collection from faculty and students. The university diligently recycles lunch boxes and has collected over 876 kilograms of food waste in 2023, with about 300 kilograms being composted for use as fertilizer for plants and trees on campus.

Environmental Protection and Sustainable Practices

NCUT is dedicated to environmental protection, demonstrated through comprehensive policies on waste management, energy conservation, and recycling. The university regularly hosts environmental meetings to raise awareness and shares best practices for sustainability with its community.

Effective Garbage Classification and Recycling

The "Regulation for Implementation of Garbage Reduction and Resource Recycle" is strictly enforced, ensuring all waste is properly sorted into recycling categories like paper, plastic, glass, metal, and batteries. Non-recyclable waste is responsibly sent to incineration plants.

Energy Conservation and Waste Reduction

NCUT emphasizes energy-saving strategies, holding regular environmental and energy conservation meetings to promote best practices. These efforts reduce the campus's overall environmental footprint and encourage efficient resource use.

Commitment to a Greener Future

NCUT's environmental protection initiatives are a call to action for students, faculty, and staff to embrace sustainable practices, contributing to a cleaner, greener campus. Through its holistic approach to sustainability, NCUT sets an example for a more eco-conscious world. Its efforts extend beyond its campus to promote environmental well-being for society at large, ensuring the health of both people and the planet.



Kitchen waste bin installation location



廚餘要回收 請分 生 跟 熟

生廚餘

綠能發電



果皮類



蔬菜類



咖啡渣



茶葉渣

不回收項目

果核類、果殼類
(椰子殼、榴槤殼...)
筍殼
(茭白筍、玉米筍殼、竹筍...)
玉米芯、鳳梨冠芽
蛋殼、海鮮殼
長纖維類
(甘蔗皮、蔗渣、麻蕙莖、香茅草)
稻草、禾本科植物...
以上皆視為「一般垃圾」

熟廚餘



麵食類



米食類



豆食類



肉類



蛋類



粉狀類



罐頭類



調味類



零食類

注意事項

- 廚餘投入前應先去除水份及雜質(塑膠袋、牙籤、竹筷、衛生紙等垃圾)。
- 廚餘可自主堆肥，民眾如有設備，以不影響環境衛生為前提，可自行運用。



台中好環保



資源好康報



違反者，將依「廢棄物清理法」處新台幣1200~6000元罰鍰。

National Chin-Yi University of Technology Food Waste Recycling Statistical Table

Month	Quantity (kg)	Note
2023.01	42	
2023.02	42	
2023.03	46	
2023.04	44	
2023.05	48	
2023.06	41	
2023.07	47	
2023.08	48	
2023.09	52	
2023.10	43	
2023.11	49	
2023.12	50	
2024.01	46	
2024.02	44	
2024.03	48	
2024.04	47	
2024.05	46	
2024.06	49	
2024.07	44	
Total	876	

The food waste recycling initiative at NCUT is a significant step toward sustainable waste management. By implementing recycling bins campus-wide and collaborating with the Taichung City Taiping District Cleaning Department, NCUT is actively reducing organic waste. The composting of a portion of this waste further underscores the university's commitment to environmental responsibility. This initiative complements other environmental efforts on campus, like the Source Reduction Plan and paperless policies.



貳、資源回收

臺中市一般廢棄物應回收及試辦回收項目

紙類	紙容器類 (含鋁箔包、紙製餐具)	鐵、鋁類	玻璃類	廚餘(養豬)	光碟片	彈簧床墊	堪用傢俱
塑膠類 (塑膠容器、免洗餐具、保麗龍杯)	乾電池、鉛蓄電池	照明光源	食用油	潤滑油	二手物品	水銀體溫計	
陶瓷磚瓦	電子電器	小家電	臺中市公告應回收項目	臺中市試辦回收項目			
塑膠袋 (不含鋁箔、紙等複合性材質且去除內容物)	舊衣 (不含枕頭、布偶、棉被)	包裝用保麗龍 (含保麗龍杯、魚箱、蛋糕盒)	輪胎	另蠟燭玻璃罐(含蠟)亦有回收。			
行動電話及充電器	機動車輛	資訊物品	部分行政區社區及市場菜葉之堆肥廚餘有回收。				

貳、資源回收

「資源回收輔導團」主動出擊(2/2)

資源回收輔導團擴大參與

● 成員：環保志工、學生及環境教育志工及環保團體，參與社區輔導計畫單位者。

● 服務對象：

- 社區(機關、學校、團體)
- 便利商店(超市、量販店)
- 夜市商圈、餐飲業
- 事業(營建工地)



2023 Inorganic waste statistics table

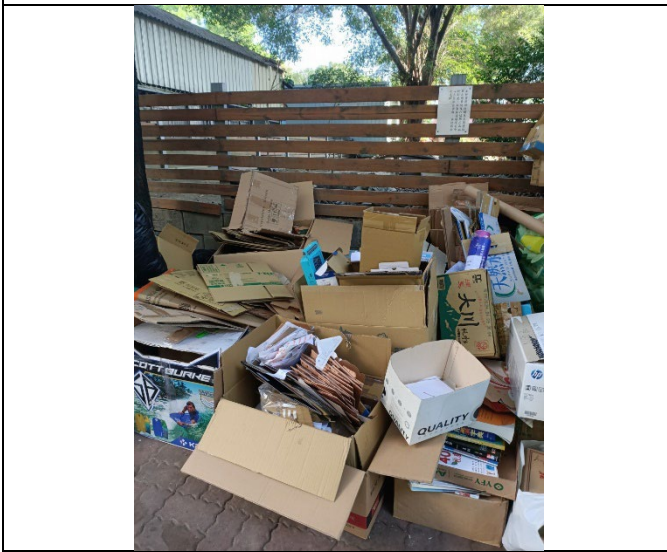
Kg

Item	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Paper	2,470	2668	2390	1647	2085	1780	2738	4102	4456	2869	2598	2481	32284
Iron	614	493	455	417	324	452	276	1059	735	234	277	349	5685
Alumium	43.4	27.6	54.7	138.2	31	29	40	80	107	103	43	93	789.9
electric wire	93	31	122	157	53	51	0	82	41	5	15	25	675
PET bottle	280	203	407	310	456	365	190	217	384	296	280	326	3714
Plastic (fine)	173	90	149	179	191	168	116	188	208	170	168	199	1999
Plastic (coarse)	150	214	216	120	207	234	178	386	196	110	132	266	2409
Glass	196	141	196	185	142	197	146	139	162	125	191	234	2054
Keyboard	82	84	54	10	48	185	22	52	59	17	47	41	534
Aluminum foil package	308	159	476	216	392	477	139	159	346	454	505	525	4156
Bettary	0	5	3	0	0	5	8	8	28	94	3	5	159
Light tube	4	4	9	15	7	0	29	20	10	18	7	17	140
paper tableware	1243	1235	2070	1741	1913	1141	496	645	783	1145	1189	1332	14933
Plastic tableware	422	284	680	405	534	489	208	237	326	286	171	245	4287
CD	36	22	6	4	0	0	20	49	0	5	3	8	153
Plastic Bag	98	72	53	46	0	52	22	61	66	43	54	108	675
Total	6,212	5732	7340	5590	6383	5625	4628	7484	7907	5974	5683	6254	74646.





Resource recycling bin





NCUT has established resource recycling bins in every building across the campus, with daily collection of recyclable items by cleaning staff. Additionally, the school regularly counts and recycles inorganic waste, ensuring effective waste management and contributing to environmental sustainability.