

## SDG 12.2.1

NUK conducts ethical procurement in accordance with the procurement policy of the Environmental Protection Administration (now Ministry of Environment).

### 1. Green procurement policy:

- (1) Implement environmentally-friendly green procurement matters in accordance with "Organization's Priority Procurement of Environmental Protection Products Measures" and "Institutional Green Procurement Performance Evaluation Methods 2024" formulated by the EPA in 2001.
- (2) The implementation rate of green procurement in 2024 was 99.88% and 99.96% in 2023, both exceeding the government benchmark of 95%..

### 2. Priority procurement policy:

- (1) In accordance with Article 69 of the People with Disabilities Rights Protection Act and the Regulations on Priority Procurement of Products and Services from Welfare Institutions, Organizations, or Sheltered Workshops, the University has implemented priority procurement measures.
- (2) In 2024, the priority procurement rate reached 8.16%, an increase of 2.17% compared with 5.99% in 2023, thereby exceeding the 5% requirement stipulated in Article 3 of the Regulations.

### 3. Regulation amendment:

#### **(1) Government Procurement Law(1998/2019)**

<https://law.moj.gov.tw/ENG/LawClass/LawAll.aspx?pcode=A0030057>

#### **(2) Regulations for Priority Procurement of Eco-Products (2014/2023)**

<https://law.moj.gov.tw/ENG/LawClass/LawAll.aspx?pcode=A0030084>

#### **(3) People with Disabilities Rights Protection Act (1980/2025)**

<https://law.moj.gov.tw/ENG/LawClass/LawAll.aspx?pcode=D0050046>

#### **(4) Regulation for Obligated Purchasing Units / Institutions to Purchase the Products and Services Provided by Disabled Welfare Institutions, Organizations or Sheltered Workshops(2005/2024)**

<https://law.moj.gov.tw/ENG/LawClass/LawAll.aspx?pcode=D0050066>

4. Other supporting materials can be found in the excerpts of our university's 2024 Sustainability Report. The summary is provided in the attachment.

d. Annually review the appropriateness of the school's administrative rules and regulations.

B. Enhance smart power and introduce water management system to participate in UI Green Metric World University Rankings - Water Resources (SDG 6, SDG 15).

- Utilize smart power system monitoring to reduce electricity waste year by year.
- Water saving installations and water management.
- Sewage recycling.

**3. Carbon emission :** Using 2015 as the base year, the school estimates its own GHG emissions every year to get a complete picture of the current situation of GHG emissions. Total carbon emissions in 2024 was reduced by a total of 16.33% from 2015 levels, mainly due to the implementation of energy-saving measures such as the replacement of old air-conditioners and the use of energy-saving light bulbs.

#### ▼ Carbon Emission Statistics by Year

| Year | Carbon Emissions (MT CO <sub>2</sub> e) | Savings over 2015 (%) | Carbon emissions per capita (MT CO <sub>2</sub> e/capita) |
|------|-----------------------------------------|-----------------------|-----------------------------------------------------------|
| 2015 | 7,400.63                                | -                     | 1.41                                                      |
| 2016 | 7,617.74                                | -2.93%                | 1.23                                                      |
| 2017 | 7,438.98                                | -0.52%                | 1.17                                                      |
| 2018 | 6,754.27                                | 8.73%                 | 1.06                                                      |
| 2019 | 7,090.45                                | 4.19%                 | 1.10                                                      |
| 2020 | 6,786.91                                | 8.29%                 | 1.07                                                      |
| 2021 | 5,732.90                                | 22.54%                | 0.85                                                      |
| 2022 | 6,041.62                                | 18.36%                | 0.89                                                      |
| 2023 | 6,173.00                                | 16.59%                | 0.89                                                      |
| 2024 | 6,191.99                                | 16.33%                | 0.89                                                      |

\*Carbon emissions are quoted from electricity bills; per capita carbon emissions are self-estimated.

## 5.3 Sustainable Supply Chain

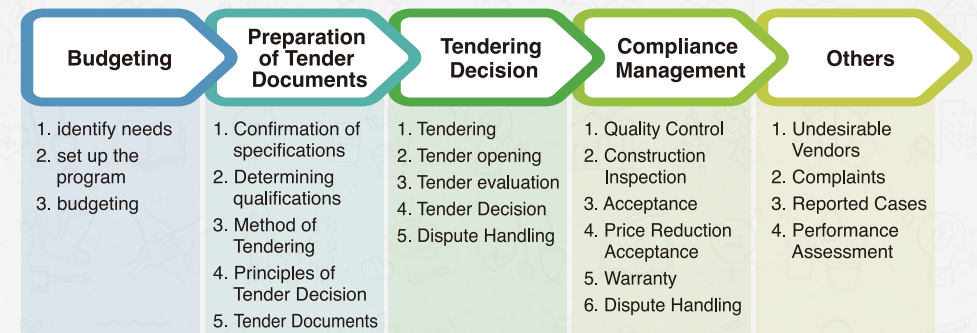
### 5.3.1 Green Procurement and Priority Purchasing

The services provided by the vendors mainly include business equipment, instrumentation, construction and cleaning services. As a public organization, the school is required to comply with the Government Procurement Act as stipulated by the Public Works Committee of the Executive Yuan, and to conduct open procurement for purchases exceeding NT\$150,000 according to the different amounts of the purchases, as well as to conduct performance management in accordance with the contract.

| Scale of Procurement            | Large Procurement                                                                                                                                                                                                                                                                                                                  | Checked Amount                           | Announced amount                       | Falling short of the declared amount and exceeding one-tenth of the declared amount                                                                                                                                                                                                     | Small amount                                                                                                                                                                                                                                                                                                         |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nature of Procurement           | Project<br>Property<br>Labor                                                                                                                                                                                                                                                                                                       | 200 million<br>100 million<br>20 million | 50 million<br>50 million<br>10 million | 1.5 million                                                                                                                                                                                                                                                                             | More than \$150,000 and less than one-tenth of \$1.5 million<br><br>Less than \$150,000                                                                                                                                                                                                                              |
| Tendering / Awarding of Tenders | 1. <b>Open tender</b> (Article 19)<br>2. <b>Selective tendering</b> (Article 20 , 21)<br>3. <b>Restricted tenders</b> (Article 22: in accordance with Article 22, item 1, paragraphs 1 to 16)<br><br><b>Principles of Tender Award</b><br>The lowest bid, the most beneficial bid (article 52), award of bid with fixed rate (fee) |                                          |                                        | <b>Article 23:</b> Measures for Tendering Unannounced Amounts of Purchases by Central Authorities"<br><b>Article 2:</b><br>1. 22-1-1~15<br>2. 22-1-16<br><br><b>Restricted tendering</b><br>3. Publicly soliciting written quotations or business plans from vendors (openly available) | <b>Article 23:</b> "Measures for the Central Authorities' Procurement of Unannounced Amounts"<br><br><b>Article 5:</b> The Central Authorities may directly contact manufacturers for procurement without going through the announcement procedure, and may be exempted from providing quotations or business plans. |

#### ▲ List of Scale of Procurement and Method of Tendering

#### ▼ Purchasing Flowchart



- Determining funding sources and purchase amounts
- Signing and filling out requisitions and purchasing specifications

- Purchase under a joint supply contract
- Decide on the best way to tender



| Budget Amount Acceptance               | Under \$100,000             | Over \$100,000 to \$150,000 | More than \$150,000 Less than \$1,000,000                                                    | Above \$1,000,000 but less than \$1,500,000                    | More than \$1.5 million                                    |
|----------------------------------------|-----------------------------|-----------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|
| Procurement Approval                   | Requesting Unit Supervisor  | Chief Secretary             | Vice President                                                                               | Vice President                                                 | President                                                  |
| Tender Document Approval               | —                           | —                           | Chief Secretary                                                                              | Chief Secretary                                                | Administrative VP                                          |
| Reserve Price Approval                 | —                           | —                           | Dean, General Affairs                                                                        | Administrative VP                                              | President                                                  |
| Lead Tender Opener                     | —                           | —                           | Chief of Construction & Maintenance General Affairs or other appropriate officer as assigned | Dean, General Affairs or other appropriate officer as assigned | Administrative VP or other appropriate officer as assigned |
| Lead Inspector                         | Requesting Unit's own staff | Staff from requesting unit  | Dean General Affairs or other appropriate officer as assigned                                | Dean, General Affairs or other appropriate officer as assigned | Administrative VP or other appropriate officer as assigned |
| Payment & Expenditure Voucher Approval | Requesting Unit Supervisor  | Dean, General Affairs       | Chief Secretary                                                                              | Chief Secretary                                                | Administrative VP                                          |

Notes:

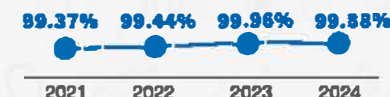
1. All budget amounts above (below) are inclusive.
2. Listed personnel applicable duty agent
3. Tender opening officer who conducts the tender opening process and is responsible for the handling of the tender opening site and related decisions.
4. The chief inspector will preside over the acceptance procedures and conduct random checks to verify whether the vendor's performance results are not in conformity with the requirements of the contract, plans or samples, and to decide on the disposal of any non-conformities.
5. The most junior staff member handling the procurement case shall not be the principal inspector of the procurement or the inspector of samples and materials.
6. It is inappropriate for a mechanic, journeyman, administrative or program assistant to preside over the opening and deciding of tenders and to preside over the initial inspection and acceptance of tenders.
7. For procurement cases with a purchase amount of more than \$1,500,000 and the most favorable bid, the members of the procurement evaluation committee and the members of the working group should be established prior to the bidding process and be responsible for the approval according to the hierarchical level of "Approval of Purchase Cases".
8. For procurement cases with a purchase amount of less than \$1.5 million, the Administrative Vice President shall approve the members of the Purchasing Evaluation Team that should be set up prior to the bidding process if the bidding spirit is the most favorable to the bidder and the bidding decision is made by selecting the one that best meets the needs; the Administrative Vice President may waive the need to set up a working group.
9. For procurement cases under \$150,000, the requisition for expenditure should be sent to the General Affairs Office for endorsement.

## ▲ Procurement process hierarchical accountability

In accordance with "Measures for Priority Procurement of Environmentally Friendly Products by Organizations" and "Measures for Evaluating the Performance of Green Procurement by Organizations", the achievement rate of green procurement has reached more than 99%. In addition, the University has implemented priority procurement in accordance with "Measures for Priority Procurement of Goods and Services Produced by Welfare Institutions for the Physically and Mentally Handicapped or Sheltered Workshops".

## Green Purchasing Policy:

1. The University will conduct environmentally friendly green procurement in accordance with "Regulations on Priority Procurement of Environmentally Friendly Products by Institutions" and "Scoring Methods for Green Procurement Evaluation by Institutions" formulated by the Environmental Protection Administration (EPA).
2. The University actively promotes the green procurement of official supplies, especially the first category of products with environmental labels. Products or raw materials whose manufacture, use, and waste disposal comply with the requirements of recycled materials, recyclability, low pollution, or energy saving are considered as Category II products. These are all within the scope of green procurement under the Government Procurement Act.
3. According to the statistics, the achievement rate of the designated green procurement items in 2024 is 99.88%, which is increasing year by year. Purchased items include: computers and other electronic products, printers, copiers, shredders, refrigerators, lighting fixtures, air conditioners, and drinking fountains.



▲ List of Achievement Rates of Green Procurement Designated Items

## Priority procurement policy

In accordance with Article 69 of "People with Disabilities Rights Protection Act" and "Regulations on Preferred Procurement for Products and Services Produced in Disability Welfare Care Facilities and Institutions and Sheltered Workshops," the University has implemented priority procurement. In 2023, the achievement rate of priority procurement was 5.99%. In 2024, it increased to 8.16%, which was in compliance with the 5% requirement stipulated in Article 3 of the above-mentioned Act and Regulations. It also demonstrates the school's social responsibility in purchasing.