

國立彰化師範大學碳中和宣言

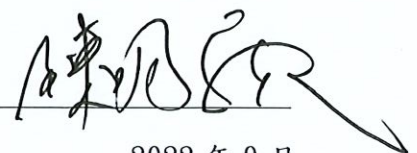
國立彰化師範大學遵循溫室氣體盤查議定書，執行各項碳排放之管理，預計將於 2029 年達成碳中和之具體目標。

本校已訂定「國立彰化師範大學推動節能減碳實施要點」，針對電力節約、照明能源節約、空調能源節約、用水節約、環保教育等管理措施，減少碳足跡及二氧化碳之排放，每年至少投入新臺幣 500 萬以上之經費進行耗能設備汰換，並且預期每年達到提升至少 1% 總能源效率之目標，預計 2029 年前既有設備相較 2021 年，總年耗電將至少降低 130 萬 kWh。

此外，本校將加速推動在進德校區、寶山校區廣設太陽能發電裝置，並已設置一座百萬瓦級儲能系統，另規劃三套十萬瓦級儲能系統輔助校園微電網運轉，此儲能系統可將在夜間離峰時段儲存電能並在白天尖峰時段放出，達到負載轉移之效果，可降低尖峰燃煤火力機組之出力，同時降低最大線路電流，進而減少電力傳輸損失約 3%，進而減少電廠碳排放量。

未來本校將由教學與永續推動單位，持續推動節能減碳措施與相關課程，期使本校成為永續校園且師生具備永續發展之理念與行動力，成為未來我國永續發展之重要推動者。

校長



2022 年 9 月



Carbon Neutrality Declaration – National Changhua University of Education

National Changhua University of Education will adhere to the Greenhouse Gas Protocol and implement various carbon emission regulations in order to achieve carbon neutrality by 2029.

Our institution has formulated the “National Changhua University of Education - Energy Conservation and Carbon Reduction Bulletin” which intends to conserve electricity, water, and energy used for lighting and air conditioning. It also aims to promote environmental awareness in order to reduce the carbon footprint and carbon dioxide emissions. The annual budget allocated for the replacement and maintenance of energy-consuming equipment will amount to least NT\$5 million. Furthermore, a minimum 1% yearly gain in overall energy efficiency is anticipated. Compared to 2021, it is projected that the total annual power consumption of existing equipment will be reduced by at least 1.3 million kWh by 2029.

In addition, our institution has already installed a megawatt-level power storage system and plans to accelerate the installation process of solar generators on the campuses in Jinde and Baoshan. An additional three sets of 100,000-watt-level power storage systems are proposed to assist in the operation of the campus microgrid. Such systems are intended to shift load by saving excess electrical power during off-peak hours at night for later usage during peak hours, which in turn alleviates the load on coal power units during peak hours. Simultaneously, the maximum line current will be lowered, thereby reducing power transfer loss by approximately 3%, resulting in decreased carbon emissions from power plants.

Through our continued education in relevant university courses, as well as our efforts towards sustainability, we will continue to advocate for energy conservation and carbon reduction measures in the future. We anticipate that our institution will become not only a sustainable campus with motivated, environmentally conscious faculty and students, but also a key facilitator of Taiwan’s sustainable development.

President

Ming-Fei Chen

September 2022

國立彰化師範大學永續發展承諾書

國立彰化師範大學依據「聯合國永續發展目標」(Sustainable Development Goals, SDGs) 的 17 項 SDGs 指標，及本校 SWOT (優勢、劣勢、機會和威脅) 自我分析的結果，將自己定義為一所專注於教學、研究暨師資培育的綜合性大學；在教育 and 人文領域具有突出的能力；追求研究、開發和創新的成就；並確保科學、技術和商業管理領域的進步。在此基礎上，學校實施了《中長期發展規劃(2016-2023)》，採用滾動審查機制對方案進行分析修訂。本校各單位制定各項發展計畫與策略，均呼應「聯合國永續發展目標」全部 17 項指標，並依各權責分工，共同朝向永續發展及善盡大學社會責任之方向努力。

本校依據憲法及大學法的規定，尊重學術自由；且本校確保包容與公平的優質教育，並為所有人提供終身學習機會；遵守《就業服務法》、《性別平等教育法》、《身心障礙者權益保障法》等相關規定，確保大學的規章制度不因種族、信仰、身心障礙、性別等因素衍生之歧視或不平等行為，並保證教師工資平等。同時，我們要求全校師生積極維護師資隊伍和管理團隊的廉潔，杜絕貪污賄賂，維護學校的可持續發展。

校長 
2022 年 9 月



Commitment to Sustainable Development – National Changhua University of Education

National Changhua University of Education can be classified as a comprehensive university with a focus on training, research, and faculty development in accordance with the 17 Sustainable Development Goals (SDGs) of the United Nations and conclusions from our own SWOT (Strengths, Weaknesses, Opportunities, and Threats) self-evaluation. Our institution possesses remarkable capabilities in educational training and the humanities, pursuing achievements in research, development, and innovation while ensuring advancements in science, technology, and business management. On such basis, the university has implemented the “Medium to Long-Term Development Proposal (2016-2023)”, which may require more investigation and amendment. Each department of the university, working with cohesion and abiding by the division of responsibilities, formulates various development plans and strategies, all of which align with the 17 “United Nations Sustainable Development Goals,” in order to achieve sustainable development as well as fulfill our university’s social responsibilities.

In accordance with the provisions of Taiwan’s Constitution and University Law, our institution supports academic freedom. We also ensure inclusive and equitable high-quality education, providing lifelong learning opportunities for all individuals. We abide by the *Employment Services Act*, the *Gender Equality Education Act*, the *Person with Disabilities Rights Protection Act*, and other pertinent laws to ensure that the rules and regulations of the university prohibit discrimination or inequality caused by factors including ethnicity, religion, disabilities, and gender. As a result, promising equal pay for faculty. Concurrently, we expect all students and faculty members to actively maintain faculty and management integrity in order to eliminate corruption and preserve the institution’s sustainable development.

President Ming - Jie Chen
September 2022