

# 2023 Hualien County

SDGs Voluntary Local Review

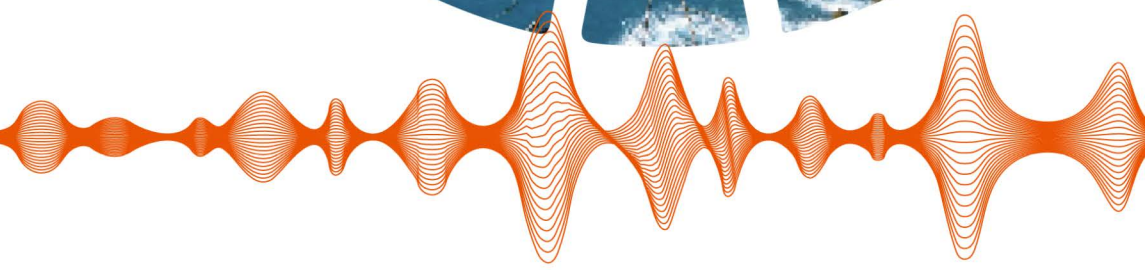
聯合國永續發展目標

United Nations Sustainable  
Development Goals

## Hualien County SDGs Voluntary Local Review



花蓮縣政府  
Hualien County Government



# 2023

## Hualien County

SDGs Voluntary Local Review

聯合國永續發展目標

### Hualien County SDGs Voluntary Local Review

<b>Message from the County Mayor</b>	<b>3</b>
<b>01 United Nations and Taiwan Sustainable Development Goals</b>	<b>4</b>
<b>02 About Hualien County</b>	<b>8</b>
Three Axes, Three Centers, Highlight Development	14
County Government Team - Collective Effort	16
<b>03 Sustainability is Hualien's Daily Life</b>	<b>18</b>
Challenges and Issues in Sustainable Development	20
Sustainable Development Goals Review and VLR Preparation Methods	24
Sustainable Development Strategy Framework	26
<b>04 Sustainable Development Goals Review and Outcomes</b>	<b>30</b>
SDG1 No Poverty	32
SDG 2 Zero Hunger	37
SDG 3 Good Health and Well-Being	39
SDG 4 Quality Education	44
SDG 5 Gender Equality	47
SDG 6 Clean Water and Sanitation	48
SDG 7 Affordable and Clean Energy	51
SDG 8 Decent Work and Economic Growth	52
SDG 9 Industry, Innovation, and Infrastructure	54
SDG 10 Reducing Inequality	55
SDG 11 Sustainable Cities and Communities	57
SDG 12 Responsible Consumption and Production	61
SDG 13 Climate Action	68
SDG 14 Life Below Water	75
SDG 15 Life On Land	78
SDG 16 Peace, Justice and Strong Institutions	80
SDG 17 Partnerships for the Goals	81
<b>05 Future Vision</b>	<b>83</b>
<b>appendix:Hualien County SDGs Indicators</b>	<b>85</b>



## Message from the County Mayor

The United Nations' 17 Sustainable Development Goals (SDGs) and ESG (environmental, social, and governance) represent the global direction toward sustainability. Laozi's "Tao Te Ching" states, "Man follows the earth, the earth follows the heaven, the heaven follows the Tao, and the Tao follows nature." Confucianism emphasizes the harmony of heaven, earth, and man, while traditional Chinese medicine advocates adapting to the seasons. These principles demonstrate that Chinese culture has long incorporated the concept of nature and sustainability into daily life. Hualien, nestled against Taiwan's highest Central Mountain Range and facing the vast Pacific Ocean, enjoys a unique natural advantage. The people of Hualien value the harmony between man and nature, and are in line with global trends to transform Hualien into a sustainable city that follows the natural order. For Hualien, sustainability is a way of life.

Hualien focuses on "economic sustainability, social sustainability, and environmental sustainability," developing regional plans based on local characteristics under the framework of "three axes, three centers, and several highlights." By continuously promoting diverse developments, Hualien aims to balance environmental protection, social equity, and economic growth. In collaboration with all county residents and partners, Hualien is steadfast in our commitment to the vision and goals of the SDGs. Going forward, Hualien will continue to fulfill its obligations as a global citizen, using sustainable development as a governance guideline and sharing Hualien's experience in promoting sustainability with the international community.

Hualien County Mayor  
**Hsu Chen-Wei**

1

# United Nations and Taiwan Sustainable Development Goals







In 2015, the United Nations released the document “Transforming Our World: The 2030 Agenda for Sustainable Development,” which presents a comprehensive approach that includes “economic growth,” “social progress,” and “environmental protection.” The Agenda outlines 17 core Sustainable Development Goals (SDGs) and 169 specific targets. These goals are based on the 5Ps: “Planet” for the environmental value, “People” and “Peace” for the social value, “Prosperity” for the economic value, and “Partnership” for the implementation aspect. This agenda serves as a global action guide to promote sustainable development and is a key reference for countries around the world to formulate their 2030 Sustainable Development Goals.

Taiwan has embraced the vision and spirit of the United Nations Sustainable Development Goals (SDGs) to ensure the implementation of Taiwan’s sustainable development goals, establish a robust mechanism for promoting sustainability, and align with international standards while taking into account Taiwan’s local development needs. Over the past decade, Taiwan has made sustainable development a benchmark for

the promotion of national policies. In 2016, Taiwan initiated the formulation of the Taiwan Sustainable Development Goals, and in 2018, it released the Taiwan Sustainable Development Goals, which include 18 core goals and 143 specific targets. In 2019, 336 related indicators have been proposed. The goal is for all citizens, regardless of their status or background, to have the right and responsibility to realize their potential and live a dignified and quality life in a healthy environment.

Hualien County has adopted “Smart City, Sustainable Hualien” as its overarching development vision, using the SDGs as an integrated municipal management plan. Following the release of the first Voluntary Local Review (VLR) in 2021, Hualien published the second edition of the VLR in 2023. We aim to continuously review policies using the United Nations measurement indicators, incorporating the 2030 targets into our future vision for sustainable development. By adhering to the five key principles of sustainable development, we strive to make sustainability a true part of daily life in Hualien.



### No Poverty

End poverty in all its forms everywhere.



### Zero Hunger

End hunger, achieve food security and improved nutrition and promote sustainable agriculture.



### Good Health and Well-Being

Ensure healthy lives and promote well-being for all at all ages.



### Quality Education

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.



### Gender Equality

Achieve gender equality and empower all women and girls.



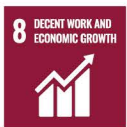
### Clean Water and Sanitation

Ensure availability and sustainable management of water and sanitation for all.



### Affordable and Clean Energy

Ensure access to affordable, reliable, sustainable, and modern energy for all.



### Decent Work and Economic Growth

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.



### Industry, Innovation, and Infrastructure

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.



### Reducing Inequality

Reduce inequality within and among countries.



### Sustainable Cities and Communities

Make cities and human settlements inclusive, safe, resilient and sustainable.



### Responsible Consumption and Production

Ensure sustainable consumption and production patterns.



### Climate Action

Take urgent action to combat climate change and its impacts.



### Life Below Water

Conserve and sustainably use the oceans, seas, and marine resources for sustainable development.



### Life on Land

Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss



### Peace, Justice and Strong Institutions

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable, and inclusive institutions at all levels

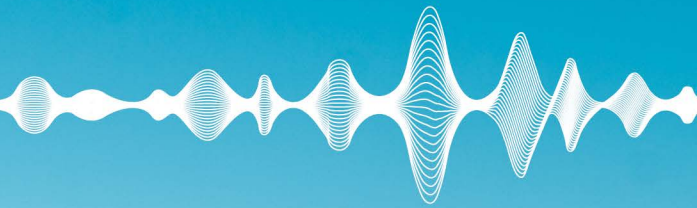


### Partnerships for the Goals

Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.

# 2

## About Hualien County





# The Beautiful Land of Hualien, the Home of the Sun

## Majestic Mountains and Seas, Magnificent Scenery

Hualien County is located on the eastern side of Taiwan, bordered by the Pacific Ocean to the east and the Central Mountain Range to the west. It is bordered by Yilan to the north and Taitung to the south, making it the largest county in Taiwan by area. The County encompasses both the Central and Coastal mountains, with extensive mountainous terrain and a long, narrow geography. Within its borders are 43 of Taiwan's 100 Peaks, the world-renowned Taroko National Park, Yushan National Park with ecosystems ranging from subtropical to alpine, and Sixty Stone Mountain and Chike Mountain, famous for their sea of daylilies. In addition, the Kuroshio Current converges in the waters off Hualien, bringing abundant fish to Qixingtian and attracting whales and dolphins. The majestic mountains and vast seas provide Hualien County with rich, pristine environmental and biological resources.



### The largest administrative district in Taiwan

About 137.5 kilometers long from north to south

About 43 kilometers wide from east to west

A coastline of 121.9 kilometers

Total area of 4,628.57 square kilometers

Home to **43** of Taiwan's  
**100 Peaks**



**87%** green cover

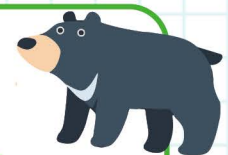


**21%** of Taiwan's forests

**2** national parks

**1** wildlife sanctuary

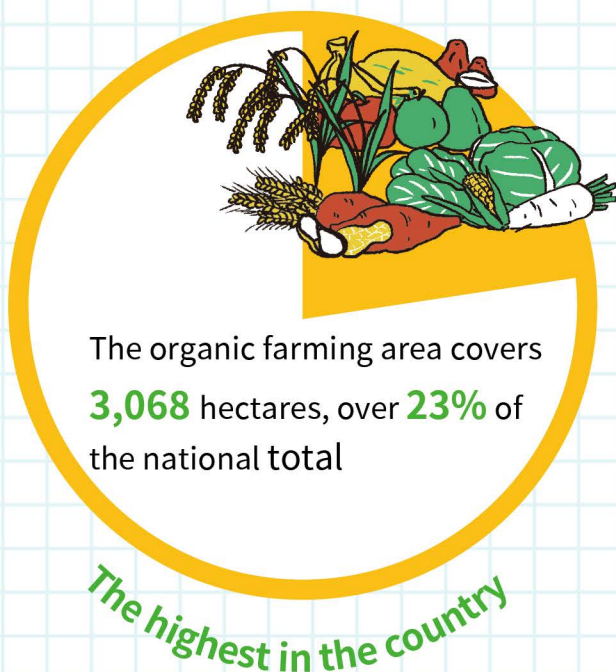
**2** important wildlife habitats



## Organic Capital, Sustainable Agriculture

Organic agriculture is a sustainable and forward-looking industry, and Hualien County is known as Taiwan's "Organic Capital." The County boasts 3,068 hectares of certified organic farmland, nearly a quarter of the nation's total and the highest in Taiwan. The Hualien County Government has prioritized a sustainable environment in agriculture and established the country's first Organic Agriculture Promotion Office on February 21, 2020. Through policy support, we aim to increase farmers' willingness to transition to organic farming. This includes covering the full cost of organic certification for farmers and providing subsidies for organic materials, land rental, and greenhouse facilities to significantly reduce farmers' financial burdens. In addition, we help local farmers' associations purchase various machinery and provide convenient on-site services for farmers.

Hualien's main crops include rice, soybeans, corn, gracilaria, bitter melon, taro, dragonfruit, watermelon, pomelo, arrow shoot, coffee, and honey-flavored black tea. Through "organic certification" and the establishment of facilities such as "cold chain logistics center," "camellia oil processing plant," "organic soy milk processing plant," and "health crop processing plant," product quality is assured. In 2020, Hualien County applied to join the Asian branch of the internationally renowned "International Federation of Organic Agriculture Movements" (IFOAM ASIA) and signed a cooperation memorandum with the "Asian Local Governments for Organic Agriculture" (ALGOA). Through international exchange and cooperation, Hualien was authorized to host the second World Organic Youth Summit in 2023, which bring young representatives from about 25 countries to Hualien for exchange, thus expanding Hualien's global visibility in the development of organic agriculture.



Hualien has a rice cultivation area of

**17,913**



**14,429** households engaged in agriculture and animal husbandry



**4,054** households engaged in forestry



**525** hectares households engaged in fishery

## Diverse Ethnic Groups, Cultural Convergence

Hualien County boasts a diverse ethnic composition and a rich blend of human and social cultures. Hakka, Minnan, mainland Chinese immigrants, and indigenous peoples coexist harmoniously in Hualien. It is also the city with the largest indigenous population in Taiwan. Hualien is home to six indigenous groups: the Amis, Truku, Sakizaya, Kavalan, Bunun, and Seediq. Each group has its own unique culture, language, customs, and social structure, contributing to the County's rich and diverse ethnic culture. The fusion of multiple ethnic groups brings abundant cultural vitality to Hualien. Whether it is the enthusiastic indigenous culture, the hospitable Hakka traditions, or international new immigrants

from around the world, Hualien showcases the city's inclusiveness and vibrancy. This diversity also reflects in the County's various religious beliefs, including Buddhism, Taoism, Yiguandao, Catholicism, Christianity, indigenous ancestral and natural spirit beliefs. The diverse ethnic groups, beautiful natural landscapes, historical and cultural heritage from different eras provide rich themes for Hualien's festivals and events, forming the unique charm of the County. Preserving the culture of various ethnic groups, ensuring their welfare and rights, and promoting Hualien's economy and tourism through different ethnic cultures and characteristics are critical aspects of the County's development strategy.

### Indigenous People



The indigenous population is about **93,340**, accounting for **29.3%** of the County, making Hualien with the largest indigenous population in Taiwan.

### New Immigrants



Hualien's foreign population is diverse, showcasing the city's inclusiveness and vitality.

### Han Chinese



The Hakka population is about **108,860**, accounting for **34.2%** of the County's total population.



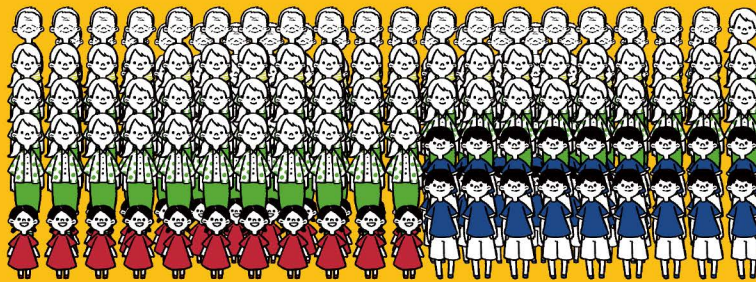
## Elder Care and Livable Environment

Hualien County's population is relatively concentrated in northern areas such as Hualien City, Ji'an Township, and Xincheng Township, as well as in southern areas like Yuli Township. The total population and the number of children under the age of 14 have been gradually decreasing each year, while the number of elderly people over the age of 65 has been steadily increasing, highlighting the County's growing problems of low birth rate and aging population. To care for the daily lives of the elderly, help them age in place, and encourage their social participation, the Hualien County Government has been actively expanding long-term care service centers. The goal is to achieve "aging in place," "delaying aging," and "healthy aging." To ensure the

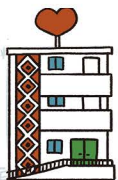
psychological well-being of the elderly and enrich their later years, the Hualien County Government has established the Hualien County Senior Citizens' Club, which provides a friendly leisure space for the elderly and organizes a series of activities and courses for seniors. To serve residents over the age of 55 in remote townships, the Hualien County Government has specially designed a mobile classroom van that travels to 13 townships, offering welfare education, lifelong learning courses, cultural and recreational activities, community meals, and mobile social welfare services. The goal is to make Hualien a health-friendly and livable city for the elderly.

### Total Population of Hualien County

318,306



Population aged 0-14	Population aged 15-29	Population aged 30-64	Population aged 65 and above
<b>35,905</b> /11.28%	<b>55,362</b> /17.39%	<b>165,264</b> /51.92%	<b>61,775</b> /19.41%



**365** Community Care Points

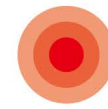


Long-term care coverage rate of **99.94%**, the highest in the nation.

## Three Axes, Three Centers, Highlight Development

In view of Hualien's natural environment, elongated terrain, population distribution and characteristics, tourism development, frequent earthquakes and typhoons, the Hualien County National Land Plan centers on the "Hualien-Taitung Area Sustainable Development Strategy Plan". This plan is integrated with 33 rural regeneration plan communities from the north to the south of the County, which are developed according to regional characteristics under the framework of "Three Axes, Three Centers, Multiple Highlights". The "Three Axes" include the Forest Green Belt Axis, the Ocean Blue Belt Axis, and the Green Valley Corridor Axis, which connect various development areas along the elongated terrain. The "Three Centers" include the Greater Hualien Political and Economic Core, the Multicultural Slow City Core, and the Health and Wellness Core. These are based on the development axes of northern, central, and southern Hualien County, extending local features to plan tourism hubs, multicultural zones, and health and wellness zones. The "Multiple Highlights" emphasize the development of local characteristics through Satoyama and Satoumi, indigenous culture, and rural regeneration, creating multiple highlights in each township of Hualien. This integrates Hualien County's resources into a comprehensive plan that shapes local identity while combining sustainability with the County's core development goals of "international," "smart," "tourism," and "friendly." This helps to enhance and connect each area according to its unique spatial forms and functions, creating local highlights and improving the County's resilience and carrying capacity.

### Legend



Local Core

### Multiple Highlights



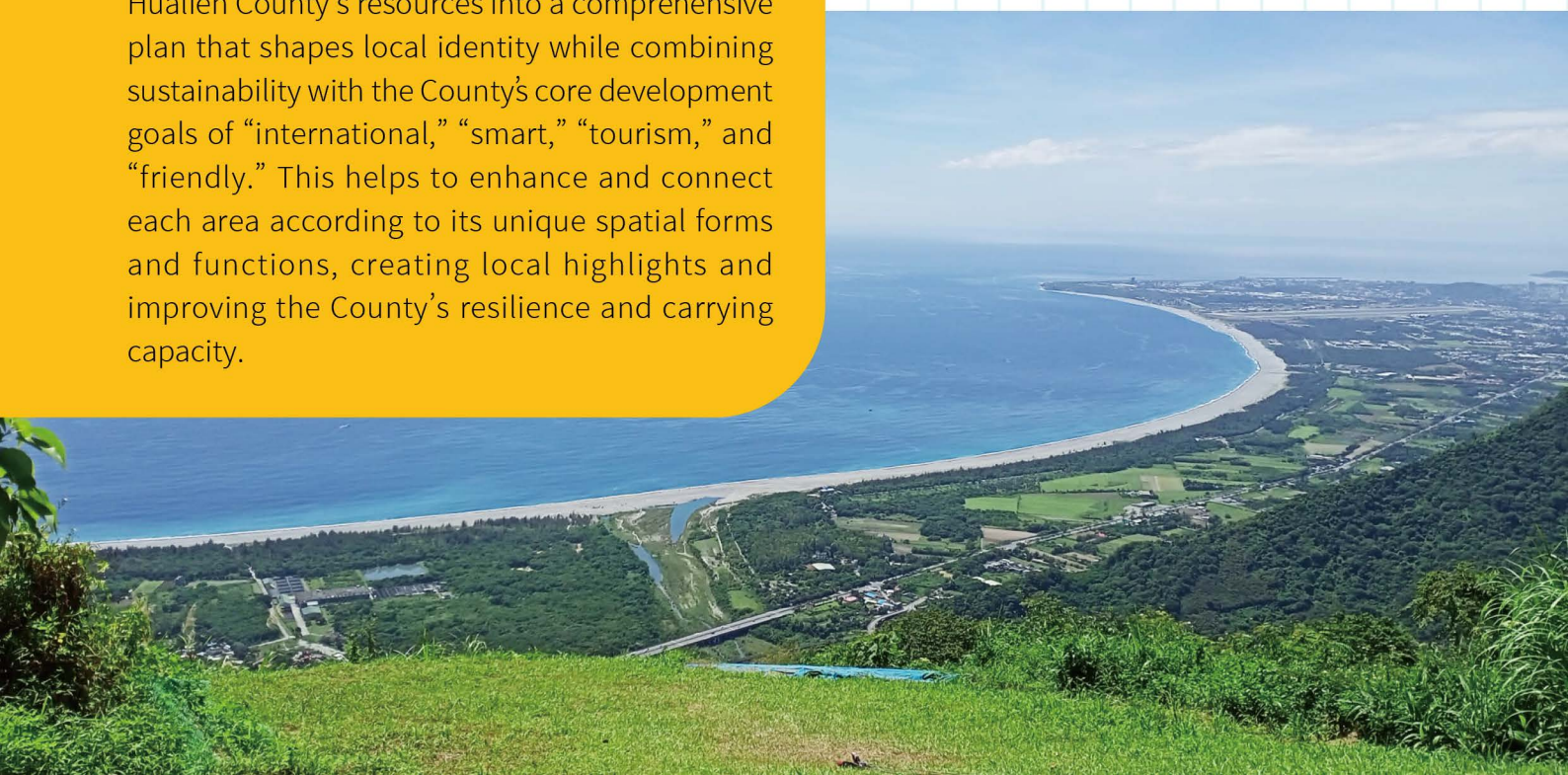
Satoyama and Satoumi

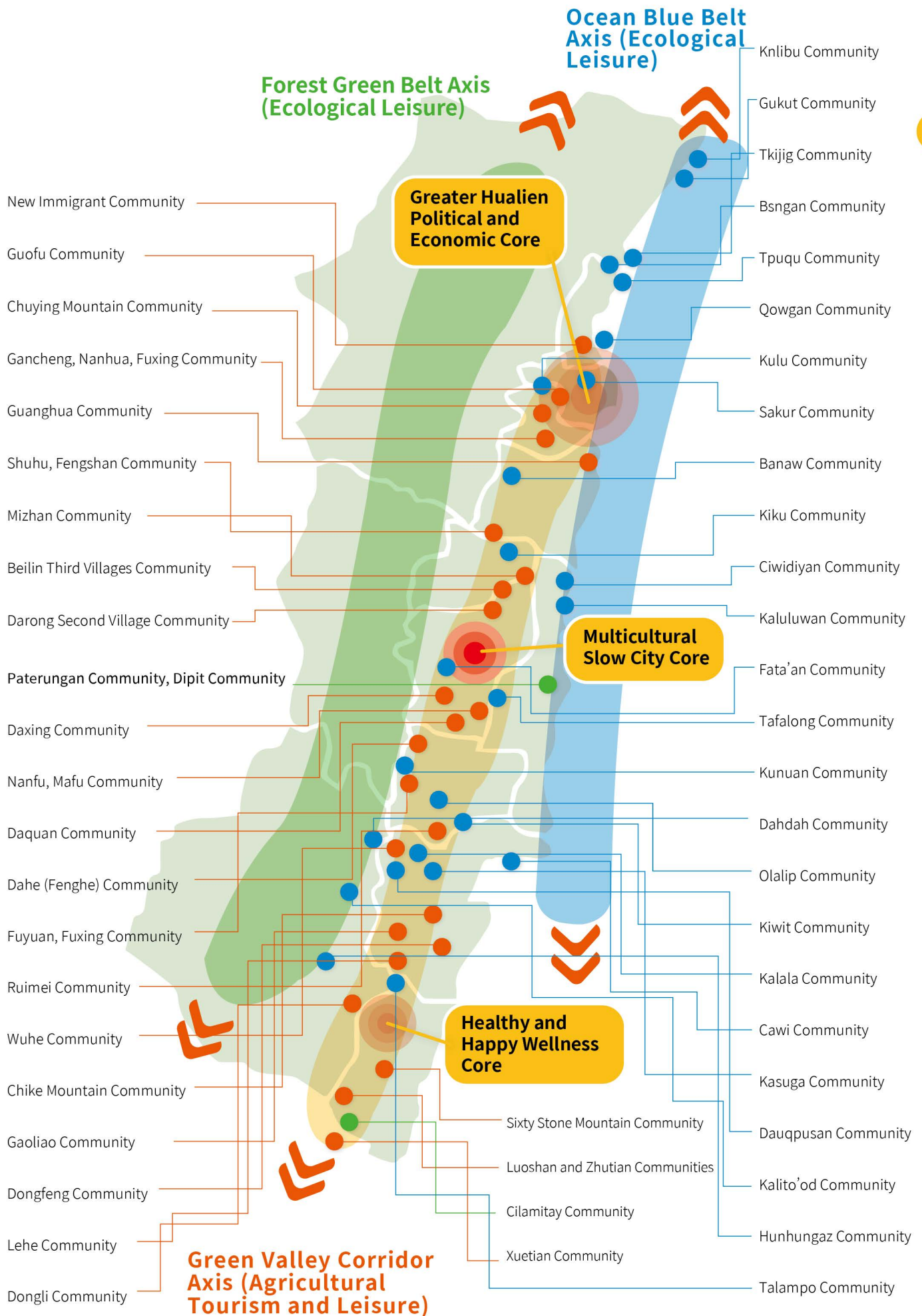


Indigenous Culture



Rural Regeneration

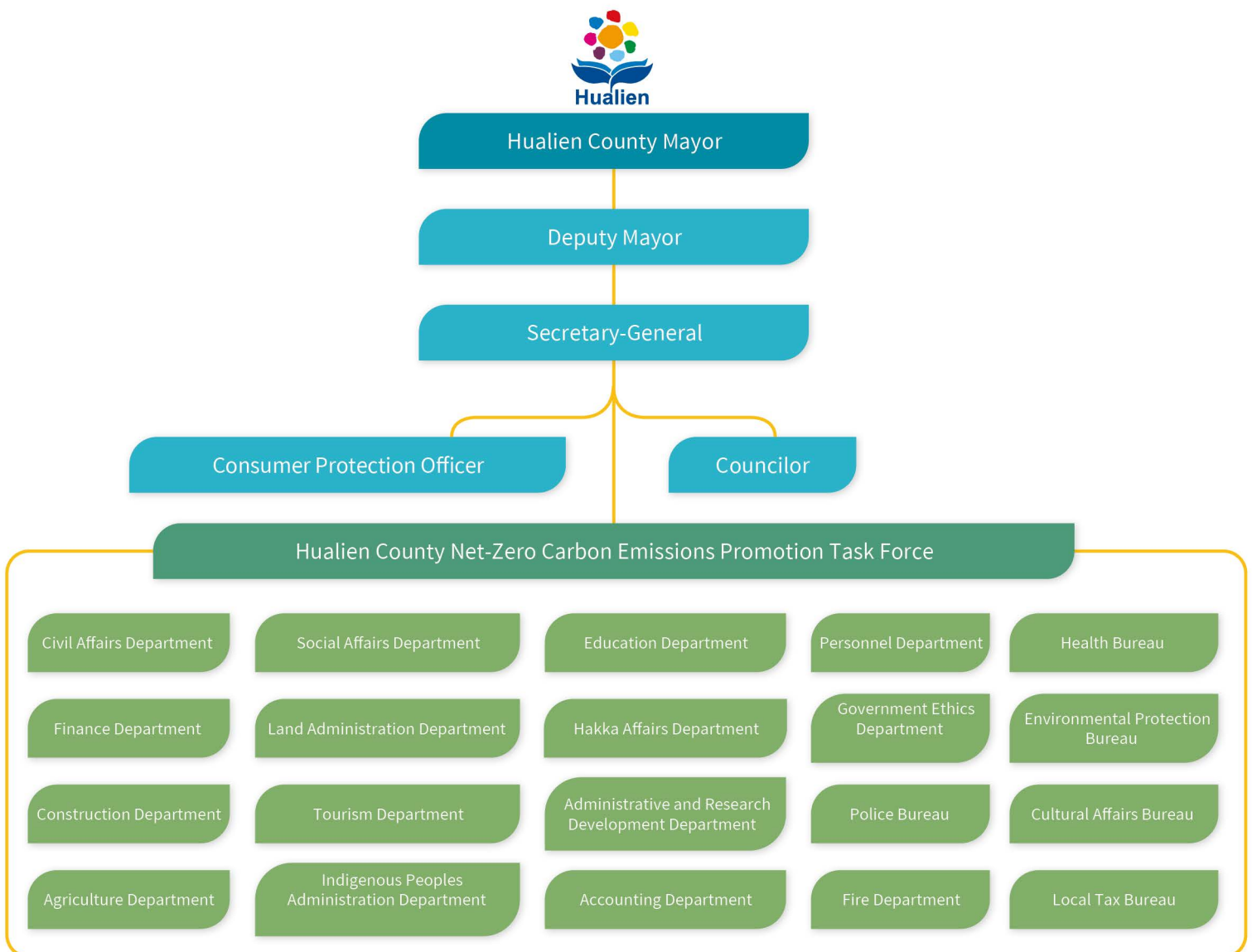




## County Government Team - Collective Effort

The Hualien County Government comprises 20 first-tier agencies. In response to the United Nations’ sustainable development goals and the global net-zero trend, under the leadership of County Mayor Hsu Chen-Wei, and following the central government’s announcement of the “Taiwan 2050 Net-Zero Emissions Pathway and Strategy Overview” in March 2022, two “Hualien County 2050 Net-Zero Carbon Emissions Promotion Meetings” were

promptly convened. Additionally, the “Hualien County Net-Zero Carbon Emissions Promotion Task Force” was established. Through the collaboration and efforts of various departments, the County is fully accelerating the implementation of net-zero strategies to achieve the long-term vision of net-zero transformation. The goals of sustainable development have been incorporated into the governance and development direction, demonstrating a strong commitment to promoting sustainable development.



Livable  
Hualien

因為對大山的承諾  
大海的

A Pledge to Preserve the Beauty of Our Land

# 3

## Sustainability is Hualien's Daily Life







## Challenges and Issues in Sustainable Development

Hualien County is characterized by its elongated north-south shape, with many mountains and few plains, making it the largest county in Taiwan by area. The population is mainly concentrated in the coastal areas on the northern side of the Huadong Valley. Known for its natural tourism resources, Hualien is also the area with the largest number of indigenous people in Taiwan. Due to factors such as limited transportation and logistics, the County's

industries primarily consist of primary agriculture, animal husbandry, fisheries, and tertiary tourism and service industries. As the unique geographic location, natural environment, population structure, and industrial development, Hualien faces challenges such as extreme weather, an aging workforce, and out-migration of young people. The County has identified the current challenges and future issues in sustainable development to formulate strategic policies and goals for continuous promotion of sustainable development.

### Enhancing Disaster Response Capabilities

Due to its geographical environment, Hualien often faces typhoon invasions, with higher rainfall during typhoon periods compared to other regions. Located at the junction of the Eurasian Plate and the Philippine Sea Plate, Hualien experiences a relatively high frequency of earthquakes. Frequent orogenic (mountain-building) activity causes the geological structure to be more fragmented, leading to frequent occurrences of landslides, mudslides, and ground subsidence. The inherently fragile and sensitive environment, and the geographic isolation during disasters, large-scale development is not suitable. Future development challenges lie in strengthening disaster response capabilities, including pre-disaster protection and reporting, as well as post-disaster recovery, to enhance urban and rural disaster resilience.

### Balancing Environmental Conservation and Industrial Development

Hualien's rich natural ecology and geological resources are key features and advantages for its development. However, the pursuit of economic growth and environmental sustainability often leads to conflicts. For example, large-scale tourism or transportation development projects often affect the natural ecological landscape, causing tension between the government, businesses, and the public. Therefore, development must take into account the carrying capacity of the environment while seeking a balance between environmental protection and industrial development.

### Enhancing Basic Public Infrastructure and Services

Due to Hualien's long and narrow terrain with scattered settlements and population distribution, the provision of public facilities

lacks economic scale and incurs higher setup costs. This results in insufficient capacity in basic public services such as transportation, healthcare, educational resources, and waste management, as well as industrial facilities like regional agricultural processing plants, cold chain storage, and logistics. These issues lead to an uneven distribution of resources. The challenge for future development is to use innovative technologies to overcome spatial limitations and provide adequate and necessary basic public services.

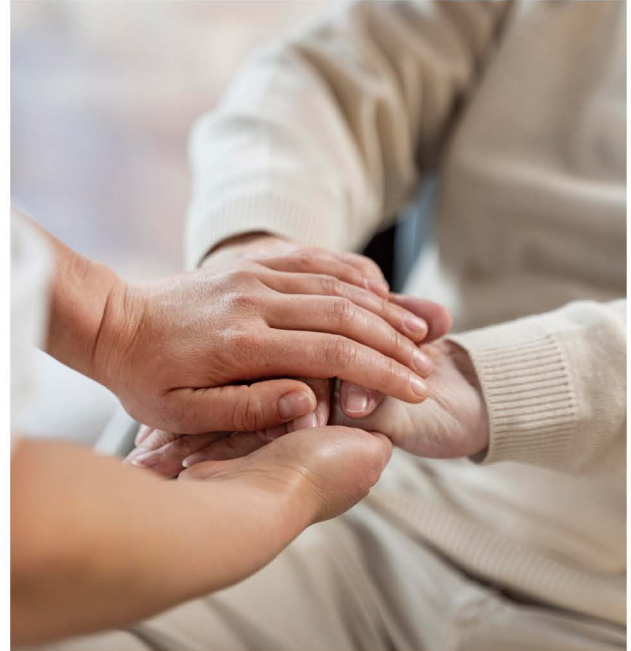
### **Creating a Healthy and Livable Environment**

Although the trend of population outflow from Hualien has gradually eased in recent years, the population growth rate is still negative, and the population structure is aging, exacerbating the shortage of human resources in Hualien. To address the social, economic, and lifestyle changes brought about by this trend, it is necessary to proactively plan and build appropriate public facilities and social service systems related to housing, transportation, education, healthcare, and leisure. This will attract high-quality human resources, ensure sustainable economic development, and provide a comfortable, healthy, and high-quality living environment for the elderly.

### **Enhancing Medical and Long-Term Care Services**

Hualien's population structure is aging, and the administrative region is large, making it relatively inconvenient for residents to access medical services. Currently, localized medical services and smart medical technology have been implemented in Hualien to alleviate the challenges posed by the difficult access to medical resources due to geographical factors. In addition to using digital technology

to provide customized medical services, there should be a continuous effort to cultivate local healthcare professionals and offer appropriate and diverse medical services in the future.



03

### **Embracing Multicultural Characteristics**

Hualien is a melting pot of different cultures, including Minnan, Hakka, and indigenous peoples. Many local cultural projects and activities have been promoted in the past to deepen and pass on cultural roots. However, under the trend of globalization, it is essential to embrace the spirit of “the more local, the more international” to strengthen comprehensive cultural heritage. This involves integrating culture into various social activities such as ecology, production, and everyday life. This can revive the humanistic spirit of various ethnic groups, highlight their cultural values and characteristics, and promote ethnic harmony. It also strengthens the self-identity of various ethnic groups.

### **Focusing on Talent Cultivation and Employment Opportunities**

The quality and diversity of talent are key elements for sustainable development.

According to educational attainment survey data, the proportion of people with higher education in Hualien is lower than the national average, highlighting the need to improve the quality of higher education talent. Future development challenges lie in simultaneously enhancing diverse talents by not only promoting higher and diversified education but also strengthening the cultivation of local technical and vocational talents. Through related support measures, it is essential to provide a good living environment and employment opportunities to retain talent.

### **Improving Transportation Infrastructure and Public Transport**

The Suhua Highway and the Southern Cross-Island Highway are the main external links for Hualien. However, these roads are often disrupted by landslides caused by typhoons, heavy rains, and earthquakes, affecting the movement of people and goods. It is necessary to accelerate efforts to improve their safety and reliability. In addition, the public transportation and green transportation network and services need continuous improvement and planning based on the needs and characteristics of tourism, industry, and local residents

### **Building a Resilient Local Living Environment**

Hualien is located in a relatively peripheral and environmentally sensitive area of the national spatial structure. Although relevant plans for improvement have been implemented, the basic support facilities for daily life are still inadequate compared to urban areas. Future development should aim to provide comprehensive living conditions to ensure that the basic living needs of residents are met. In

addition, efforts should be made to increase the reuse of idle resources, improve environmental hygiene, and enhance the quality of enterprise sanitation management. These measures should promote the health and well-being of residents, thereby building a resilient local living environment.

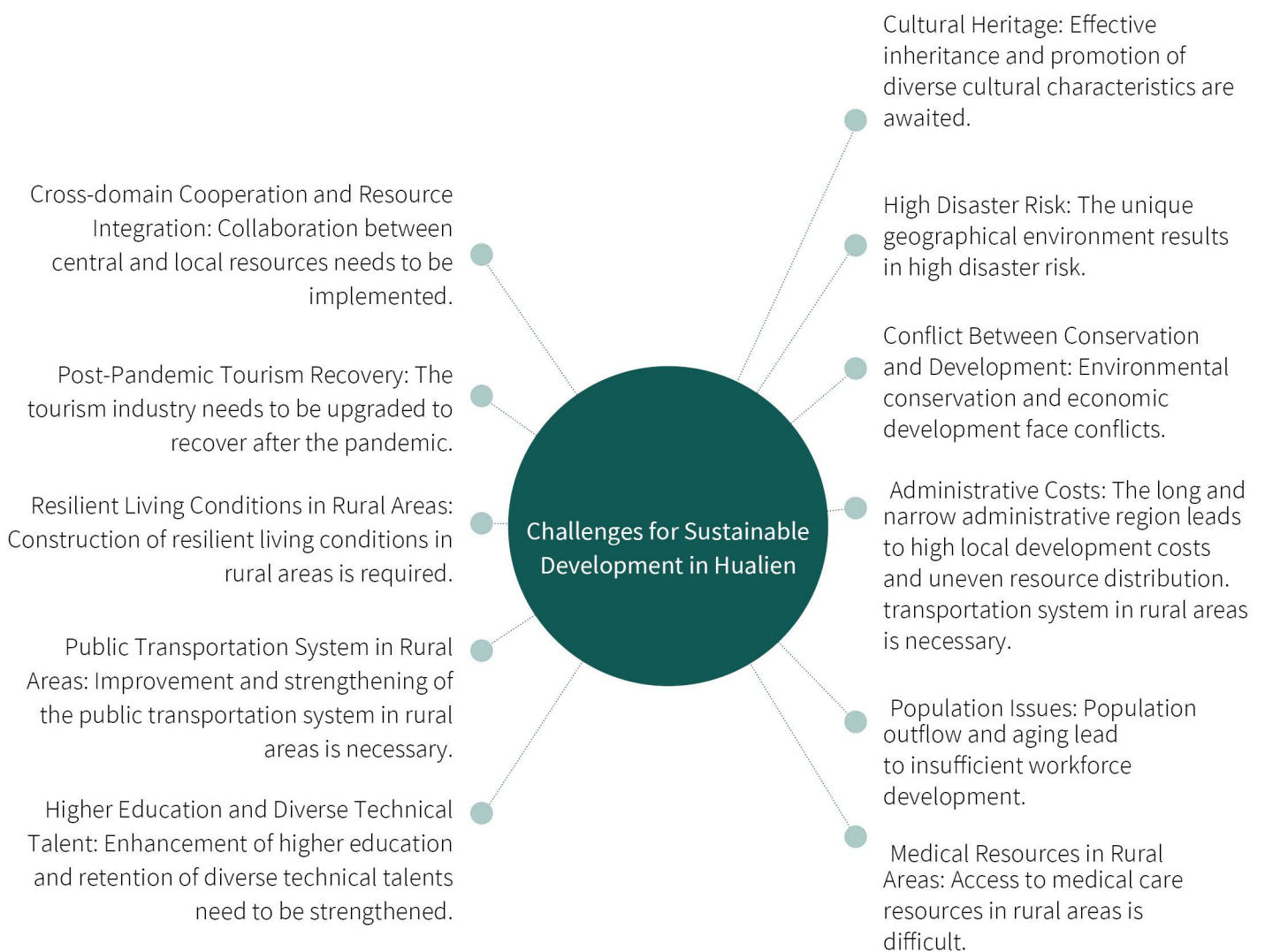
### **Marketing Sustainable Tourism**

Due to the impact of the COVID-19 pandemic, the number of international tourists has decreased significantly. However, as the pandemic subsides, the Hualien County Government will face competition from the global tourism industry. Hualien's tourism industry needs to be actively improved and transformed. This includes continuously creating attractive spots, preparing themed tours, optimizing the industry environment, and highlighting the uniqueness of local tourism. In addition, it is necessary to enhance the digital presence and promote digital experiences to improve regional tourism marketing, accurately attract international tourists, target high-spending visitors, and create new industry trends.

### **Smart Governance for Developing a Resilient City**

Hualien's geography, environmental protection, transportation, tourism resources, industrial development, and culture are closely related and interdependent. However, due to narrow administrative regions and long, narrow terrain, local resources are difficult to integrate and cooperate across regions, which hinders overall development and cannot effectively respond to public needs. Future development challenges include further implementing regional cooperation and building innovative

smart governance models. By utilizing regional cooperation platforms and public participation mechanisms, strengthening overall spatial development, and introducing professional and dedicated units, the Hualien County Government can ensure effective resource utilization and create win-win cross-regional cooperation.



## Sustainable Development Goals Review and VLR Preparation Methods

Under the leadership of County Mayor Hsu Chen-Wei, the Hualien County Government is positioning the SDGs as a method for county governance. This is because, in Hualien, public policies in environmental protection, public construction, social welfare, and education are planned based on the needs of residents and urban development, ensuring necessity and continuity. By conducting a Voluntary Local Review (VLR), the SDGs serve as a common language to evaluate whether policies are beneficial to sustainable urban development and identify policy shortcomings, leading to improved practices. Therefore, the Hualien

County Government first takes stock of various governance plans, comprehensively grasps their relevance to the SDGs, and builds a sustainable development framework and evaluation mechanism.

To facilitate the subsequent quantitative explanation of the achievement of each goal, the VLR preparation process mainly uses Hualien County's existing governance performance indicator system. In addition, it refers to international and Taiwan SDGs indicators, setting a total of 104 indicators.

### Analyzing the Strengths and Challenges of Hualien County

- Analyze the strengths, resources, and challenges of Hualien County in promoting sustainable development.
- Study central policy resources and benchmark cases of sustainable urban development both domestically and internationally.

## Streamlining governance plans and inventory SDGs indicators

03

- Conduct a comprehensive inventory of plans related to sustainable development, including existing and upcoming government plans.
- On June 30, 2023, hold a cross-departmental VLR preparation working group meeting to establish the VLR preparation process, methods, and departmental coordination tasks, and discuss and confirm Hualien County's SDGs strategic framework.
- Based on the inventory results, each department will provide feedback on the relevance and potential indicators of their plans to specific SDGs targets.

## Establishing sustainable development strategies, frameworks, and goals

- Based on the feedback from each department, conduct necessary interviews or cross-departmental coordination meetings to review the coverage of specific targets under sustainable urban-rural, social, economic, and environmental goals.
- Examine the definition, rationality, effectiveness, and data accessibility of the indicators. Refer to domestic and international SDGs indicators to establish the sustainable development strategy framework, indicators, and short-, medium-, and long-term action plans with target values for 2030.

# SDGs Correspondence Table for Each Department

## Sustainable Development Strategy Framework

The issues of low birth rates, aging population, and outflow of young and middle-aged people have a significant impact on the sustainable development of Hualien County. In order to create a truly happy environment for citizens, based on the County's natural environment, cultural and industrial characteristics, and the environmental, social, and economic challenges

	1 消除貧窮 	2 消除飢餓 	3 良好健康與福祉 	4 優質教育 	5 性別平等 
Personnel Department					
Cultural Affairs Bureau, Hualien					
Accounting and Statistics Department					
Civil Affairs Department					
Land Administration Department					
Local Tax Bureau					
Research and Administration Department					
Social Affairs Department					
Hakka Affairs Department					
Economic Affairs Department					
Civil Service Ethics Department					
Indigenous Peoples Department					
Fire Department					
Finance Department					
Education Department					
Agriculture Department					
Health Bureau					
Environmental Protection Bureau					
Police Bureau					
Tourism Department					



and responses that may be faced before 2030, the County's sustainable development strategy framework is constructed according to the UN Sustainable Development Goals. With the vision of "International Smart City and Tourist-Friendly Hualien" and the main focus on "Sustainable Economy," the strategy aims to develop local characteristic industries and attract talent back to Hualien, retaining young and middle-aged people and attracting more talents to settle in Hualien. In addition, the strategy supports a "Sustainable Society" to take care of people's lives and a "Sustainable Environment" to protect the natural environment. It establishes seven major strategies for sustainable development:

"Sustainable Innovative and Industrial Dynamics," "Highlight Construction and Regional Balance," "Smart Governance and Efficient Government," "Cultural Heritage and Friendly Tourism," "Social Welfare and Livable City," "Rooted Education and Future Investment," and "Resilient City and Environmental Sustainability." Each governance goal is aligned with the UN Sustainable Development Goals and linked to the County's seven major sustainable development strategies. By linking the governance directions to the core goals of the SDGs, the goal is to transform Hualien County into a globally connected, resilient, and livable smart sustainable city.

Vision

International Smart City, Tourist-Friendly Hualien

03

Three Major Goals for Sustainable Development in Hualien County



Seven Major Sustainable Development Strategies



Sustainable Innovative and Industrial Dynamics



Highlight Construction and Regional Balance



Smart Governance and Efficient Government



Cultural Heritage and Friendly Tourism



Social Welfare and Livable City



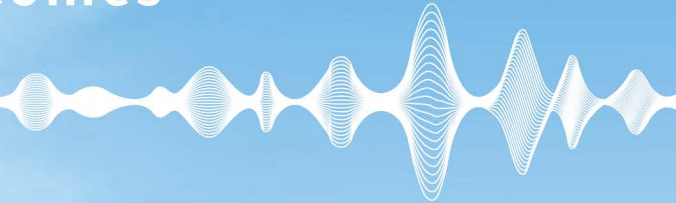
Rooted Education and Future Investment



Resilient City and Environmental Sustainability

# 4

## Sustainable Development Goals Review and Outcomes







# SDG1 No Poverty

## End poverty in all its forms everywhere

The Hualien County Government provides social support for disadvantaged families, children, teenagers, the elderly, low-income (and middle-low-income) households, and indigenous people in rural areas. The goal is to help these groups escape poverty and gradually return to stable and safe lives. In addition, the County actively promotes entrepreneurship, employment, loans, and financing to drive new economic development.

### Supportive Measures for Disadvantaged Groups

#### Rural Mobile Medical Services to Promote Health Equity

Hualien is vast, and to ensure that health knows no distance, doctors provide regular, scheduled mobile medical services throughout Hualien. In an aging society, this allows the elderly to age in place in their familiar surroundings. Mobile medical services are particularly important in rural areas, ensuring continuous medical care in local communities and reducing health disparities caused by distance. In 2022, the total number of service visits reached 41,811.



#### “Settling Down, Thriving Together, Creating the Future” Self-Reliance and Poverty Alleviation Program

In the first phase, social workers visit low/middle-low-income households to understand their general situation and assess their financial status. The social workers encourage

families to record their income and expenses for three months. With the help of financial literacy groups, themed lectures, and one-on-one consultations with financial advisors, participants learn that “managing finances is managing life,” and they can “immediately apply and implement” what they learn, increasing their willingness to participate and learn. The course design focuses on practical topics to enhance “financial knowledge” and includes daily life decisions related to food, clothing, housing, and transportation. Additionally, from the family’s development history and common difficulties, special topics on care planning and debt management are provided, along with asset accumulation savings, to help families maintain and escape poverty.



## Implementation Plan for Promoting Entrepreneurship and Removing Barriers for Low and Middle-Low Income Households

To ensure a stable income for economically disadvantaged families, the Government actively helps unemployed family members who can work enter the job market. The Hualien County Government organizes entrepreneurship promotion workshops and provides subsidies for overcoming employment barriers. To support low/middle-low income households with capable but long-term unemployed persons, the Government addresses multiple employment challenges such as health and caregiving issues. Through joint social labor promotion services and the Entrepreneurship Promotion and Barrier Removal Implementation Plan, we aim to enhance the employment participation and stability of low/middle-low income households.

## Living Assistance for Disadvantaged Children and Teenagers

To address the lack of welfare services and social support for children and teenagers in grandparent-led, single-parent, indigenous, new immigrant, and economically disadvantaged families in Hualien County, which often leads to financial difficulties and lack of caregiving resources, and even perpetuates the cycle of poverty, we assist disadvantaged families affected by mishaps or functional deficits. The Government provides living assistance subsidies for children and teenagers to alleviate economic pressure, maintain stability in their lives, enhance the family's ability to care for them, and promote normal family functioning.



## Guardianship Assistance Declaration Service

For persons with disabilities under the guardianship (assistance) declaration of the Government, we provide various services such as care visits, property management, care arrangements, medical assistance, and welfare resource matching to ensure their protection and rights.

We also actively promote awareness of adult guardianship (assistance) declaration services. This includes on-site promotion at care centers, social welfare institutions, and general communities, distribution of posters and flyers, running scroll messages on Hualien Huilan TV and Dongya TV, and conducting in-service training courses and lectures. These efforts help residents understand the guardianship system and plan for the future care of themselves and their families.

## Establishing Cultural Health Stations in Tribes and Promote Traditional Collective Care

Cultural health stations function as “long-term care detectors” in indigenous tribes. By establishing these stations, we can effectively implement the primary prevention functions of Long-Term Care 2.0 and connect to professional care services for the disabled, thereby improving the quality of life for indigenous elders. The Government has developed these stations into comprehensive service centers, including basic medical

care, elderly care, childcare, after-school tutoring, and daytime meal delivery, providing localized care services for tribal elders. To achieve the goals of the Long-Term Care Ten-Year Plan 2.0, the Hualien County Government aims to build a diverse care environment in indigenous areas that is accessible and usable. This strengthens the traditional “mutual support culture” of the indigenous people, meeting the care needs of local elders through the principle of “indigenous people

caring for indigenous people” and “cultivating indigenous service groups locally.” By the end of 2022, 103 cultural health stations had been approved, accounting for about a quarter of all stations, ranking first in the country. Each station employs 3-5 staff members, creating job opportunities and attracting young people back to the tribes.

## Enhancing Long-Term Care Service System

In order to provide daily care for the elderly, help them age in place, and encourage greater social participation, the Hualien County Government is actively expanding long-term care centers, raising coverage to 99%. This aims to achieve “aging in place,” “delaying aging,” and “healthy aging.” To enrich the mental health and later life of the elderly, the Government has established the Hualien County Elderly Center, which provides a friendly leisure space, and launched the “Silver Joy” activity series. For seniors over 55 in remote towns, the Government has designed a mobile classroom bus that tours 13 towns, offering welfare promotion, lifelong learning courses, recreational activities, communal meals, and a mobile social welfare service window.

Hualien County’s “Long-Term Care 2.0 Service Plan” includes 17 main services, including home care, daycare, dementia daycare, and meal services. A total of 13,018 people receive long-term care services, with a coverage rate of 99%. The County has established the “Hualien County Long-Term Care Management Center” and 13 township sub-stations, providing comprehensive health and social welfare resources and consultation through a

single window, free consultations, and various services. The goal is to ensure proper and complete care for those in need of long-term care, reduce the burden on family caregivers, and improve care and quality of life.

To achieve local services and aging in place, the Health Bureau actively supports and encourages private entities to invest in the long-term care industry. This builds a comprehensive long-term care service system from family support, home care, and community care, to residential care. The goal is to increase the distribution density of long-term care service units, meet the needs of disabled residents, provide more support to those in need and their families, and create a well-integrated long-term care service.

In 2022, the proposal “Developing an Innovative Service Model Connecting Long-Term Care and Medical Services” won the Social Care Service Award at the 5th Government Service Awards from the Executive Yuan. This innovative Long-Term Care 2.0 home-based disabled case family doctor care service model establishes a seamless connection between long-term care and medical services, implementing graded

medical care and creating a “medical-care integration” service. In 2022, the coverage rate reached 108.9%, the highest in the country, benefiting 11,622 disabled case families. The County has 58 contracted clinics, 80 doctors, and 173 nurses participating in the home-based medical care program for disabled families.



## Creating a Friendly Entrepreneurial Environment and Support Measures

### Youth Employment Counseling and Matching

Youth are the future hope for local development. To keep young people in Hualien, their economic needs must be met first. The Hualien County Government holds an annual job fair, inviting many well-known large companies and businesses to participate, providing diverse employment opportunities. This direct interaction between employers and job seekers increases the chances of successful matches. The job fair aims to create a better employment environment and encourage job seekers to take the first step in finding a suitable job. In 2022, the theme was “Turning Salaries into Future, Achieving New Lives.” The fair featured various industries, including tourism and hospitality, sales and services, care services, social welfare, insurance, food and beverage, manufacturing, and national defense, offering a wide range of choices for job seekers. There was also a local industry marketing area where emerging local industries were invited to set up booths to promote cultural and youth entrepreneurship industries. In addition, there were youth employment counseling and job exploration zones to help job seekers understand their interests and abilities through various counseling and testing to facilitate their job search.



### Youth Entrepreneurship Support

Youth have limitless creativity, and starting a business is a dream for many in Taiwan. The Hualien County Government provides a series of subsidies and incentives for youth entrepreneurship. It has also established the Hualien Innovation Base, which provides 12 youth startup offices, a multifunctional conference room, a co-working space, and three small meeting rooms for young entrepreneurs to use. The Government also organizes youth entrepreneurship training courses, master lectures and workshops to enable young people to exchange ideas, network and support each other.

In order to further enhance collaboration and exposure opportunities for young entrepreneurs in Hualien, the County Government partnered with “Meet Startup Community,” Taiwan’s largest innovation

and entrepreneurship platform, to host the first Meet Hualien Innovation and Entrepreneurship Carnival. Driven by government policies and industry development, the event captured international trends and local spirit under the theme “Organic Innovation X Sustainable Development”. The two-day event featured more than 70 startup companies and micro-brands from home and abroad, showcasing Hualien’s innovative and creative potential for future industry development.



## Youth Startup Loans and Interest Subsidies

To assist young entrepreneurs in Hualien with loan applications, the Government provides continuous loan consultation services. By providing expert guidance in writing loan applications, we increase the chances of successful loan approvals. We also offer loan interest subsidy programs to reduce the interest burden on entrepreneurs. In 2022, we provided consultation and guidance to 36 persons, helped young entrepreneurs obtain approval for 14 micro-enterprise loans, and secured financing totaling NT\$11.1 million for micro-enterprises and disadvantaged groups lacking collateral.





## SDG 2 Zero Hunger

### Achieve food security, improve nutrition, and promote sustainable agriculture

Agriculture is an important industry in Hualien County, which has the largest area of organic farming in the country. Hualien County is committed to promoting organic agriculture, safe agriculture, and resilient agricultural production methods, with a focus on food security. Through food and agriculture education and food safety education, we help the public understand the local agricultural features and emphasize the importance of health.

#### Ensuring Sustainable Food Production Systems

##### Improving Agricultural Production Environment and Reducing Costs

To support the central government's promotion of domestic organic fertilizers and applicable organic agriculture fertilizers, we continue to increase the use of organic fertilizers among our county's farmers. This is aimed at reducing the use of chemical fertilizers on fields and increasing the organic matter content of the soil. In 2022, the Government encouraged local farmers to use domestic organic fertilizers, covering an area of approximately 1,041.9280 hectares. We subsidized 1,998.4120 metric tons of organic fertilizer, amounting to around NT\$3,996,824 in composting fees. In addition, we encouraged farmers certified for organic agricultural products (including the transition period) or registered with friendly farming groups to use organic fertilizers recommended by the Agriculture and Food Agency. This covered an area of approximately 1,054.6561 hectares, subsidizing 3,280.376 metric tons of organic fertilizer, amounting to around NT\$9,841,128 in composting fees.

##### Agricultural Material Subsidies

To promote agricultural development, improve the agricultural production environment, reduce production costs, and ensure direct income for farmers, the Hualien County Government implements an agricultural material subsidy program. Each hectare receives a subsidy of NT\$2,200 to achieve sustainable agricultural practices.

##### Green Environment Payment Program

To address climate change and ensure food security, as well as to adjust the oversupply of domestic rice and increase the supply of domestic food, the Hualien County Government supports the Agriculture and Food Agency's "Green Environment Payment Program." This program encourages the cultivation of strategic crops with import substitution or export potential and the planting of local specialty crops with stable production and sales. In 2022, the total area reported for contract farming and environmental maintenance measures reached 18,354 hectares.

## Developing Leisure Agriculture and Promoting Agri-food education

The development of leisure agriculture tourism aims to respect life and preserve natural ecological resources and features. It promotes eco-friendly travel modes to avoid pollution and noise that can harm the environment. Currently, Hualien's five major leisure areas actively promote the use of bicycles (Shoufeng) and electric-assisted vehicles (Dongfeng, Wuhe) as travel modes.

Through the Gold Award Guidance Program for Leisure Area Experience Activities, the Government support Shoufeng, Vataan, Wuhe, Dongfeng and Luoshan Leisure Agricultural Areas in creating educational facilities or experience processes. This helps people learn

about local culture and respect the natural environment. The Agriculture Department collaborates with the Education Department and the Environmental Protection Bureau to assist leisure agriculture businesses and rural community shops in applying for environmental education facility certification and increasing the number of environmental educators. By 2022, six locations were certified, and 145 environmental educators were trained.





## SDG 3 Good Health and Well-Being

### Ensure healthy lives and promote well-being for all at all ages.

Hualien County has established a comprehensive and friendly medical care, infant, toddler, maternity, and long-term care service system. It focuses on the accessibility and fairness of medical resources and care, promotes a culture of exercise and health awareness, and actively prevents diseases, drug abuse, and accidents to ensure the physical and mental health development of citizens of all ages.

### Health Checkups + Vaccine Subsidies to Strengthen Disease Prevention and Healthcare Measures

Hualien County is vast, and medical resources are limited. To promote public health, the Hualien County Government has planned a series of health checkups and vaccine policies, ensuring preventive medical services for citizens. Hualien County is the first in the nation to provide subsidies for shingles vaccines. Low-income and middle-low-income residents over 50, and diabetic residents over 65 can receive the vaccine for free. This aims to protect economically disadvantaged and diabetic elderly residents with lower immunity from shingles and reduce the economic impact on families. To provide accessible health screening services for the elderly near their homes, Hualien County has authorized 13 township health centers to offer integrated community screening services. Residents over 65, and indigenous people over 55, can receive free senior health checkups.

To reduce cancer mortality rates, the County expands cancer screening services during festivals and proactively tracks and manages cases under the National Health

Insurance Cancer Care Quality Improvement Plan. This ensures timely diagnosis and treatment. In cooperation with the Health Promotion Administration, contracted medical institutions are guided to join the comprehensive cancer prevention program. This provides timely cancer screening services before symptoms appear. In addition, citizens are encouraged to undergo adult preventive health services for early detection and management of common chronic diseases such as diabetes, high cholesterol, hypertension, and liver and kidney dysfunction.



## Enhancing Reproductive Health and Reducing Newborn Mortality Rates

To make Hualien a happy and friendly city, several maternal and infant care policies have been introduced since 2022. For pregnant women and newborns, the “Maternal and Infant Care 2.0 - Seven Blessings” program has been launched. It involves 11 prenatal care medical institutions and 13 health centers in Hualien County, implementing three major maternal and infant care programs: “High-Risk Pregnancy Health Management,” “Maternal and Infant Care Nutrition Vouchers,” and “Newborn Congenital Metabolic Disorders Screening.” In addition, four other maternal and infant care programs were expanded: “Maternal Blood Down Syndrome Screening,” “Gestational Diabetes Screening,” “Pertussis Vaccine,” and “Lactation Consultation Clinics,” enhancing comprehensive care for pregnant women and newborns in Hualien County.

To encourage childbirth and ease the burden of childcare, several subsidies have been introduced for children under the age of two. These include a subsidy of NT\$20,000 per newborn, a childcare allowance of NT\$5,000 to NT\$7,000 per month per child depending on birth order, and a subsidy of NT\$8,500 to NT\$14,500 per month depending on birth order and economic conditions for those who use county-approved public childcare

centers or daycare centers. All families with children under the age of two are eligible for these subsidies, which alleviate the economic burden of parenthood.

The Hualien County Government has also established public childcare homes in Hualien City, Fenglin Town, and Yuli Town, and a public daycare center in Xincheng. Public daycare centers will be set up in Jian and Shoufeng in the future. In addition, parent-child centers have been opened in various areas. From north to south, there are six centers in Xincheng, Hualien, Jian, Guangfu, Fenglin, Yuli, and Fengbin, providing spaces for parents and children under six to play, learn, and read together. The goal of “One Township, One Parent-Child Center” will be achieved through public-private cooperation.



## Promoting County Residents' Health

### Reducing Smoking Rates

Integrate anti-smoking themes into school activities to help students develop a non-smoking mindset. Conduct community and workplace health education activities. Under intervention strategies and incentive programs, provide quit-smoking resources,

services, and information to promote smoking reduction and cessation. Use various media to inform the public about anti-smoking policies and promote smoke-free environments. In addition, announce smoking bans in areas beyond those covered by the County’s anti-smoking laws, including smoke-free sidewalks around schools. Ensure thorough inspections

and guidance in smoke-free and tobacco-selling locations. Conduct field tests to enforce the ban on selling tobacco products to persons under 20 years old, and carry out on-site inspections of smoke-free and tobacco-selling locations.

### HIV Prevention and Education

Conduct health education activities for HIV prevention to ensure that the public understands transmission routes, symptoms, and prevention methods. Promote awareness through relevant events targeting the general public, prisoners and guards, sanitation workers, company employees, teachers and students, youth, police and military personnel. In 2022, 139 activities were conducted with 5,991 participants. Provide free, anonymous HIV screening services through local health centers to help people know their status. If the result is positive, assist with referral for further medical follow-up and treatment. In 2022, 3,516 screenings were provided. Offer self-testing kits for purchase, allowing individuals to perform tests at home. This option benefits those who are unable to visit medical facilities or concerned about privacy. In 2022, 113 self-testing kits were made available. Conduct case management services for HIV patients. Upon receiving a confirmed report from a medical institution, immediately contact the patient to provide health education on rights, responsibilities, and contact tracing. Assist with referral to hospitals for antiretroviral treatment to reduce disease progression and viral transmission. In 2022, 456 cases were treated.

### Suicide Prevention Promotion

Establish the Hualien County Mental Health and Suicide Prevention Committee. This committee operates at the county level and involves multiple departments, including health, social services, labor, police, fire, and education. It includes cross-department and cross-company collaboration. Established four working groups: Workplace, Community, Small Circles, and Indigenous Peoples, to carry out various mental health promotion and suicide prevention activities tailored to local needs. The committee meets every six months, chaired by County Mayor Hsu Chen-Wei, with heads of related departments (Social Affairs, Education, Indigenous Peoples Administration, Civil Affairs, Animal and Plant Disease Control, Police, and Fire Departments) as members. Invite experts in mental health, psychology, public health, law, and NGOs to plan, coordinate, promote, and integrate mental health and suicide prevention efforts. This strengthens the network of care, improves the mental health of county residents, and reduces suicide rates. Meetings provide data on suicide reports and deaths, and discuss strategies for suicide prevention. In addition, the County Government works with 13 community health centers, tribal cultural health stations, care centers, and community development centers to promote mental health awareness among indigenous and new residents.



## Drug and Alcohol Addiction Treatment Services

Encourage and promote medical institutions to provide substance abuse treatment services, including co-morbid medical referrals and care. Develop medical service models and plans based on individual needs. For Level 2 drug users, treatment is structured into a three-phase, one-year process. Medical institutions provide addiction treatment (hepatitis B and C testing, HIV testing, urine and blood testing, group/individual psychological counseling, social functioning assessment, vocational assessment, and psychological assessments) based on their addiction expertise and resources. For Level 1 drug users, substitute medication treatments (methadone, buprenorphine) are provided, along with necessary medical assessments (social, vocational, psychological).

For alcohol addiction prevention, continuously support medical institutions in offering alcohol addiction treatment services. Participate in various treatment programs by the Ministry of Health and Welfare and assist in legal alcohol treatment services (such as treatment for reapplication of licenses after drunk driving, mandated addiction treatment, etc.), enhancing alcohol addiction treatment capacity in Hualien County.

Regularly supervise alcohol addiction treatment institutions to develop tailored treatment programs based on individual characteristics and needs. Establish mechanisms for assessment, referral, consultation, and shared care for comorbid conditions, and develop a case management system for alcohol addiction. This aims to improve service quality and content. Announce local alcohol treatment medical institutions, drunk driving treatment facilities, and treatment programs on the website for public access.

## Reducing Traffic Accidents

### Increasing Technological Enforcement to Prevent Traffic Accidents

To effectively deter violations, instill law-abiding habits in the public, and improve road traffic safety to prevent accidents, Hualien County has installed technological enforcement equipment at 19 locations. To eliminate the reputation of being a pedestrian hell, the Police Bureau analyzes locations prone to pedestrian accidents. We not only assign duties to strengthen the crackdown on vehicles that fail to yield to pedestrians but also use technological enforcement equipment to automatically detect such violations around the clock, thus preventing

pedestrian-related traffic violations. The e-accident system has been upgraded to improve the quality of traffic accident handling, and causative factor analysis is continuously strengthened to plan preventive measures and reduce traffic accidents.

To promote road traffic safety, monthly road traffic safety meetings are held, chaired by the County Mayor. Experts, scholars, and road management authorities are invited to discuss traffic engineering, enforcement, education, promotion, and supervision, formulating preventive measures to continually improve traffic order and safety.



## Improving Road Traffic Engineering

To enhance road user safety and reduce the danger of accident-prone roads, police officers, while performing their duties, immediately report to the responsible authorities if they find unclear or incorrectly placed traffic signs and markings, improperly timed or designed traffic signals, or other unfriendly traffic engineering facilities that may jeopardize road user safety. The police officers also propose specific improvement measures to be considered and implemented by the responsible authorities.

## Strengthening Traffic Safety Education

To instill traffic safety awareness in the public and prevent traffic accidents, the Police Bureau actively or upon invitation conducted traffic safety education sessions in 2022 at various locations, including radio stations, agencies, schools, communities, indigenous tribes, and military units. Using traffic accident case DVDs, a total of 94 sessions were held. The key focus areas included preventing drunk driving, mandatory rear seat belt use in small cars, regulations for large motorcycle road rights, preventing reckless driving by teenagers, safety for buses and gravel trucks, motorcycle safety, elderly pedestrian safety, pedestrian-friendly practices, using headlights during the day, and checking for oncoming traffic before opening car doors.





## SDG 4 Quality Education

### Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

Hualien County is committed to providing fair and appropriate educational measures and learning environments for all ages and groups. The county actively promotes the concept of lifelong learning and, in response to technological advancements and industrial development, enhances learning and employment competitiveness. Additionally, it continuously promotes policies of multiculturalism and cultural accessibility to improve the aesthetic quality of the city.

#### Diverse Educational Support Measures and Learning Environment

##### Preschool and School-Age Education

To create a family-friendly environment, reduce the burden of childcare, and encourage marriage, childbirth, and raising children, the Hualien County Government aligns with central policies. The new system of childcare allowances and subsidies for children under two years old has been officially implemented, expanding the scope and increasing the amount of subsidies. The County also organizes parenting education activities in northern, central, and southern Hualien, focusing on children under two years old. These activities cover four main themes: “Child Development,” “Life Safety,” “Parent-Child Interaction,” and “Life Care,” allowing parents and children to spend quality time together, fostering positive relationships, and promoting a friendly childcare environment.

To address the issue of declining birth rates, reduce the burden on parents, and ensure fair and complete educational rights for children in Hualien, the County Government has introduced a series of free subsidy measures.

The “Hualien County Public Kindergarten Free Tuition Subsidy Program” offers free tuition for children aged four to six who are registered in Hualien and attend public kindergartens. Any remaining tuition fees after central government subsidies are fully covered by the County Government to increase enrollment rates and provide a secure environment for working parents. In addition, new facilities such as the “Jian Child and Family Welfare Center” and the “Beichang Elementary School Affiliated Kindergarten” have been constructed to increase public childcare capacity and meet parents’ childcare needs.

For junior high and elementary school students needing academic tutoring and after-school care, a free after-school tutoring policy has been launched. For junior high students, the focus is on reinforcing academic learning and review. For elementary students, the policy includes homework guidance, promoting reading and writing, group activities, physical activities, and life care, providing opportunities for diverse after-school activities so parents can work without

worry. For low-achieving students, free academic assistance is offered, focusing on Chinese, English, and Math for junior high and elementary students. Through individualized and differentiated teaching, students' learning weaknesses are addressed to close learning gaps.

**安心生養 幸福花蓮**

花蓮縣政府

**婦女生育補助**  
補助條件：父或母其中一方設籍本縣達1年以上  
補助內容：每胎補助新台幣2萬元  
申請時間：新生兒出生後60日內  
受理窗口：本縣戶政事務所

**未滿2歲兒童育兒津貼**  
補助對象：未接受托育費用補助  
申請時間：本津貼自受理月份起核定  
於兒童出生後60天內申請，可追溯至  
兒童出生當月  
受理窗口：兒童戶籍地鄉(鎮、市)公所

**兒童托育費用補助**  
補助對象：托育日托、全日托及夜間托育，每週托育達30小時以上  
申請時間：托育事實發生日起15日內  
受理窗口：托嬰中心、公托家園或居家托育服務中心  
補助內容：

	公共托育家園			得公共托嬰中心生養津貼		
	第一批	第二批	第三批	第一批	第二批	第三批
一般家庭	5500	6500	7500	8500	9500	10500
中低收入戶	7500	8500	9500	10500	11500	12500
低收入戶(弱勢家庭)	9500	10500	11500	12500	13500	14500

連絡電話：社會處婦幼科：(03)8228995 居家托育服務中心：(03)8242533

## Smart Campus Digital Learning

Establish a Smart Education Center to integrate technology education into teaching courses, workshops, camps, and seminars, combining practical life situations with maker functions. The center is divided into several zones: teaching activities, maker project displays, VR virtual reality (including a 5G demo classroom and virtual studio),

and digital maker equipment. This ensures diverse information enhancement channels for schools, organizations, the public, and teachers and students. Purchase technology and maker education equipment for schools to borrow, such as laser engravers, autonomous vehicles, AI vision sensor modules, open-source hardware boards (with kits), and programmable building block sets. Distribute these resources in batches to key schools in each district to facilitate borrowing by nearby schools. Implement smart library management and health management systems, a virtual studio, digital learning platform software, and conduct teacher training for the 5G demo classroom. Organize capacity-building workshops and related information and technology education competitions and activities.



## Lifelong Learning for Seniors

Hualien County has developed the “Happy GO, Senior Students” program for active senior learning, offering lifelong learning classes with a variety of courses such as oxygen-rich chair exercises, therapeutic board games, wiser ball, practical English, and singing lessons. The mobile classroom service targets seniors over 55 in the county's 13 townships, providing welfare promotion, themed learning courses, recreational activities, and communal meals.

In addition, the “Senior University” offers courses in languages, arts, music, and dance. To align with Hualien Government policies, the program promotes key elements like digital skills, organic agriculture, and innovation. It teaches seniors how to use digital tools for train ticket booking and medical appointments. The program also incorporates local organic ingredients and agricultural products to educate seniors about organic

farming. Courses are designed based on seniors' interests and creativity, encouraging lifelong learning and active living. At the end of the year, the Government organizes a talent competition and achievement exhibition, inviting Senior Universities to showcase their dynamic and static learning outcomes, providing a platform for seniors to observe and demonstrate their talents.



## Urban Aesthetics and Cultural Accessibility

Hualien City boasts many stunning historical and cultural parks. One such place is the Hualien Cultural and Creative Park, managed by the Ministry of Culture, which was formerly the old Hualien Distillery during the Japan colonial period. The park currently features 26 historic buildings and was a primary filming location for the PTS drama "Gold Leaf." Another notable site is the Hualien Railway Cultural Park, located next to the Dongdamen Night Market. This park connects the old train station, Japanese-style offices, abandoned dormitories, the railway hospital, and the Stone Art Street, preserving the most complete "shared structure" railway cultural area in Taiwan's narrow-gauge railway heritage sites. The restoration of the entire area not only helps residents weave past prosperous visions but also deeply inspires the historical and

cultural context, boosting regional economic and cultural activities. Other sites, such as the old prosecutor's residence and the Youyitsun Cultural and Creative Park, are examples of historical buildings revitalized as part of urban aesthetics. Walking through these areas feels like stepping back in time, filled with nostalgic charm.

Aesthetic education must begin at a young age. As Taiwan's most beautiful garden city, Hualien, with its indigenous people's world-renowned aesthetics, strives to integrate art and culture into daily life. The Hualien County Government is dedicated to laying a solid foundation for this city, promoting sustainable cultural development.





## SDG 5 Gender Equality

### Achieve gender equality and empower all women and girls

In response to increasing awareness of gender equality and the need to protect women's rights, a Gender Equality Education Committee and a Gender Equality Promotion Committee have been established. These committees work to implement gender-friendly measures and eliminate all forms of gender discrimination. We focus on gender equality, environmental safety, social welfare, and social participation.

#### Reasonable Organizational Adjustments for Gender Equality

The heads of primary units and subordinate agencies in the Government are responsible for formulating policies and administrative

guidelines. The appointment considers the needs of County Governance, with gender not being the primary or sole factor. To continually increase the participation of a single gender in decision-making roles and gradually achieve the one-third gender ratio principle, the goal of “gradually increasing the number

of female supervisors” has been included in the gender equality promotion plan in recent years. This effort is supported by regularly updating gender ratio statistics and making timely recommendations for appointing heads of primary units and subordinate agencies. In 2022, the Government appointed four women as heads of primary units and subordinate agencies, resulting in a 20% female appointment rate.

#### Promoting Gender Mainstreaming

To embed the concept of gender equality among staff and in all policies, the Hualien County Government has established the “Hualien County Government Gender Mainstreaming Implementation Plan.” It has also set up the “Gender Equality Education Committee” and the “Gender Equality Promotion Committee.” These bodies work on gender mechanisms, awareness building, impact assessments, statistics, and budgeting. The Government implement the UN's CEDAW, collaborating with businesses, NGOs, and communities to promote gender equality and eliminate discrimination in

families, communities, schools, workplaces, and society. This effort aims to make Hualien County a gender-friendly and happy city. Hualien County participated in the “2022 Executive Yuan Guidance and Incentive Program for Gender Equality Promotion” and won the 21st Golden Award for Excellence.





# SDG 6 Clean Water and Sanitation

## Ensure availability and sustainable management of water and sanitation for all

Hualien County is committed to improving river water quality by promoting on-site water purification, public sewage systems, and water resource recycling centers. The county implements environmental education and collaborates with both public and private sectors to protect water environments. This demonstrates a commitment to sustainable water resource management and ensuring water justice.

### Clean Streams and Pollution Reduction

#### Sewage System

The coverage rate of the sewage system is a crucial indicator of public health quality and an essential facility for protecting the ecological environment. Sewage treatment rate is also a key indicator of sustainable development. In 2022, Hualien County connected 1,298 households to the sewage system, increasing the County's coverage rate by 1.27%. The total number of connected households reached 48,937, with a coverage rate of 38.21% and an overall sewage treatment rate of 46.72%. As the construction of the public sewage system progresses, the connection rate of sewage users increases by about 2% annually, and the amount of sewage treated at the "Hualien Regional Water Resource Recycling Center" also rises yearly.

#### Hualien Regional Water Resource Recycling Center

The Hualien Regional Water Resource Recycling Center was completed in 2009. It is located near the mouth of the Hualien River in Ji'an Township, Hualien County, and covers an area of 7.3 hectares. The center mainly collects sewage from Hualien City, Ji'an Township, and Xincheng Township. The clean and beautiful park, with 7,600 trees, attracts many small animals, and fireflies can be seen on summer nights. The center processes 41,865 tons of sewage daily. The influent water quality is BOD5: 33.2 mg/L, TSS: 51.3 mg/L, COD: 79.8 mg/L; the effluent water quality is BOD5: 4.4 mg/L, TSS: 7.8 mg/L, COD: 12.3 mg/L.

#### Maintaining River Water Quality

To improve river water quality and reduce pollution, Hualien County manages rivers through source control and total quantity control. This includes water pollution discharge control and measures such as using livestock manure for irrigation to reduce pollution at its source and maintain river water quality.



The water quality of major rivers within the jurisdiction remains unpolluted (slightly polluted) or mildly polluted. Excluding the effects of high sediment transport, the rivers are classified as unpolluted (slightly polluted). Among them, the main pollution source of Meilun Creek is domestic sewage, as identified through investigation and analysis. Therefore, the Environmental Protection Bureau promotes the proper disposal of domestic sewage and wastewater in areas without sewage systems and continues to encourage households and laundry businesses to use phosphate-free detergents.

Every year, regular regulatory briefings are held to assist businesses with periodic testing and reporting, ensuring compliance with regulations. In addition, cooperation with local farmers' associations is promoted to advocate for the use of livestock manure for irrigation. This strengthens collaboration between the livestock industry and farmers to increase irrigation land and reduce livestock wastewater discharge.

## River Patrol

The overall water environment, including rivers, streams, reservoirs, riverbanks, lakes, and oceans, relies on collective protection. The Hualien County Government has designated important water source quality areas, recreation areas, and pollution hotspots. It has mobilized NGOs, schools, businesses, and volunteers to form water environment patrol teams. These teams adopt and maintain Hualien County's rivers, wetlands, and ports, conducting regular inspections and cleaning activities, assisting in pollution reporting, and removing litter to maintain water quality health. Currently, Hualien County has 20 water patrol teams with 495 volunteers. The adopted riverbank length reaches 51.8 kilometers, with a total service time of 8,063 hours and 6,352 kilograms of trash collected in 2022. The Hualien County Water Patrol Teams received the National Excellent Water Patrol Team Award in 2022 and the National Special Excellent Award for three consecutive years from 2019 to 2021.

## Water Environment Improvement Projects

In recent years, Hualien County has achieved significant results in improving the water environment of Meilun Creek, Ji'an Creek, and Huilan Bay. These projects have connected ecological breaks, created complete ecological corridors, and built comprehensive recreational paths, resulting in diverse waterfront parks that integrate sports, leisure, and ecological restoration. In 2022, 90% of the Meilun Creek water environment improvement project was completed.

Meilun Creek, managed by the County, originates from Qijiaochuan Mountain and has a total length of 15.4 kilometers, covering

a watershed area of 76.4 square kilometers. Its upstream tributary, Sabagou Creek, is located in Shuiyuan Village, Xiulin Township, and another tributary, Sumeiji Creek, joins Meilun Creek near Jialin Community in Xincheng Township. The creek flows through Xiulin Township, Ji'an Township, Xincheng Township, and Hualien City, eventually entering the Pacific Ocean at Beibin. The upstream water source supplies Hualien City and parts of Ji'an Township, making it a crucial river for the development of Greater Hualien.

## Clean Drinking Water Management

In 2022, the coverage rate of clean drinking water in Hualien County reached 96%, with tap water supply coverage at 90%. The lower coverage is mainly due to Hualien's vast and mountainous terrain. Some indigenous communities are located in high, remote areas with small populations, making it difficult to install tap water pipelines. Therefore, some residents use simple water systems as their drinking water source. Hualien County has 68 simple water systems. Apart from Hualien City, Ji'an Township, and Xincheng Township, which are fully covered by tap water supply, the other 10 townships have simple water systems.

Hualien County is frequently threatened by complex disasters like typhoons and heavy rains, which often damage water intakes and pipelines, cause sediment buildup, and result in water stoppages and turbid water, significantly affecting the residents' water

supply. Therefore, there is a continuous effort to increase the coverage rate of high-quality tap water, actively extending pipelines to areas without tap water, and improving water quality through enhancement projects. These measures aim to increase the coverage rate and improve the drinking water quality and supply response capabilities.

According to the Ministry of Economic Affairs, the national leakage rate for tap water supply areas was 13.10% in 2022, while Hualien County's leakage rate was 16.75%, ranking fourth nationwide. To improve supply efficiency, Hualien County has been implementing a plan to reduce the leakage rate from 2013 to 2024, including pipeline replacement, district metered areas, pressure management, and maintenance operations. The goal is to gradually reduce the leakage rate to below 15% by 2031.

## Public Restroom Management

Cleanliness and public hygiene are indicators of a nation's progress, and public restrooms often form tourists' first impressions. As a major tourist county, Hualien places great importance on the cleanliness and hygiene of public restrooms.

Hualien County manages public restrooms with the principles of cleanliness, friendliness, and intelligence. In recent years, to address societal trends of diverse genders and an aging population, the County has promoted the renovation of old restrooms into gender-friendly facilities. This includes installing handrails in squat toilets and increasing the ratio of seated to squat toilets.

In 2022, 68 old restrooms were renovated, with handrails installed in all squat toilets. Among these, 17 restrooms were remodeled to be gender-friendly. The county will continue to assist in applying for renovation subsidies for old restrooms and work with management units to maintain clean, friendly, and smart public restrooms. To ensure convenience and cleanliness, Hualien County evaluates restrooms based on the principles of "no dirt, no wetness, no odor." The proportion of top-rated restrooms improved from 85% in 2021 to 98.7% in 2022, an increase of 13.7%.



## SDG 7 Affordable and Clean Energy

### Ensure access to affordable, reliable, sustainable, and modern energy for all

Hualien County promotes energy-saving education and implements residential and commercial electricity-saving action plans. By replacing traditional streetlights with LED smart streetlights, utilizing green energy, and generating power through resource recycling, the county provides affordable and reliable sustainable energy for the public.

#### Promoting Electricity and Energy Conservation

##### Energy Saving Partnership Plan

In past years, the Hualien County Government has implemented the Ministry of Economic Affairs' "County and City Joint Promotion of Residential and Commercial Electricity Saving Action Plan." This comprehensive plan subsidized the replacement of ductless air conditioning units, office lighting equipment, and the installation of smart lighting fixtures and medium to large energy management systems in homes, schools, and businesses. Households were also encouraged to replace old refrigerators and home air conditioners. The plan assisted nearly 600 businesses and schools and over 10,000 households in the county, resulting in an estimated annual savings of over 16 million kilowatt-hours of electricity. Following this, the "Energy Saving Partnership Plan" was launched to strengthen the planning of related electricity-saving education, promotion, and inspection. The plan targets energy education promotion in schools at all levels across Hualien County, especially in rural areas. A series of energy-saving activities were initiated to promote electricity conservation in schools, fostering a deep-rooted understanding of energy use and knowledge. Additionally, the Hualien County Government conducted energy-saving diagnostics for school electrical equipment and gradually replaced energy-consuming

lighting fixtures with LED lights, addressing the issue of high energy consumption due to outdated lighting in rural schools.

##### Energy-Saving Ambassador Training Course

To promote energy-saving capabilities among the public, the Hualien County Government's Tourism Department commissioned the Industrial Technology Research Institute to recruit locals interested in energy-saving issues or scholars with expertise in energy-saving. This initiative led to the formation of the Hualien County Energy-Saving Diagnosis Ambassador Service Team. The training course for electricity-saving ambassadors focuses on diagnosing and recommending improvements for commercial and residential electricity use. The course trains 20 volunteers on how to use diagnostic equipment to detect energy consumption issues. This program aims to integrate energy-saving knowledge into daily life, encouraging home-based electricity saving and spreading the concept throughout communities. It also provides energy-saving diagnostic services to residents, continuously encouraging energy-saving behaviors to achieve a low-carbon and livable county, contributing to the overall goal of reducing electricity consumption.



## SDG 8 Decent Work and Economic Growth

### Promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all

Hualien County strives to create a friendly industrial environment, enhance industry upgrading and innovation, and develop local cultural characteristics. It promotes sustainable tourism to boost economic development, aiming to create more job opportunities and a secure employment environment while driving economic growth.

#### Creating Job Opportunities

To reduce the unemployment rate and meet the job-seeking needs of the unemployed, career changers, indigenous people, middle-aged and older adults, and people with disabilities, the Hualien County Government regularly conducts various vocational training programs. Additionally, the county holds an annual job fair, inviting many well-known large companies and businesses to participate. This provides diverse employment opportunities and enhances the chances of successful matches through direct interaction between

employers and job seekers, promoting full employment and the right fit for the right talents.



#### Promoting Sustainable Tourism Development

### Hualien's Six-Level Industry "Slow & Premium"—The Premier Brand of Exquisite Festivals

In today's global tourism trend, the tourism industry cannot rely solely on selling natural scenery, as this is essentially a primary industry with low value and high resource consumption. Building on Hualien's unparalleled beauty, adding appropriate processing and value, as well as designing and providing in-depth experiences, can better utilize Hualien's advantages, enhance visitors' experiences, and create higher value. Hualien

uses "Slow & Premium" as the core value of its festival brand, focusing on themes of "Clean," "Quiet," "Environment," "Vigor," "Beauty," and "Proximity" to create premium themed tours. The "Hualien Aesthetics Festival" transforms previously covered ditches and roads into a fashionable urban avenue. This allows modern fashion crafts to resonate with Hualien's natural landscapes and treasures, forming a beautiful imaginative picture akin to heaven, earth, and humanity. This showcases a unique Hualien fashion, which is the refined activity brand model Hualien aims to create.

## Low-Carbon Tourism: Creating a New Service Industry Chain

Low-carbon tourism has become a highly praised travel method in recent years. Reducing carbon emissions is a goal that governments worldwide strive to achieve for environmental sustainability. Hualien, renowned for its excellent natural environment, is proactive in promoting low-carbon tourism. With its natural and cultural conditions, Hualien can create endless travel styles, and pursuing low-carbon and environmental friendliness aligns with natural laws and prioritizes sustainability, making it the ideal way to experience Hualien. The Hualien County Government plans to develop bicycle paths, beautiful trails, and themed tours for whale watching at sunrise and stargazing at sunset, allowing visitors to fully enjoy the mountains, sea, and valley scenery. These initiatives, along with events like the “Sustainable Hualien Travel Incentive Program,” aim to boost the tourism industry and create a new service industry chain.



# SDG 9 Industry, Innovation, and Infrastructure

## Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation

Hualien County actively develops resilient infrastructure and improves transportation facilities. It aims to enhance public transportation capabilities to bridge the urban-rural gap between the North and South and create a high-quality living environment.

### Strengthening Urban-Rural Infrastructure and Enhancing Public Transport Capacity

Carry out construction, improvement, and maintenance of roads, bridges, and transportation facilities across the County. This includes maintenance work on County Road 193, broadband pipeline construction, maintenance, emergency repairs, and repairs. Implement the life circle road system construction plan and subsidize the maintenance of important sections of rural and urban roads in 13 townships to improve transportation quality and road safety.

The Hualien County Government aims to enhance public transport quality and optimize transportation efficiency and road safety management. It executes projects such as the “Hualien County Intelligent Traffic Control and Regional Road Network Improvement Plan,” the “Hualien Preliminary Transit Station MaaS Application Service Plan,” and the “Hualien County Rural Area Public Transport Service Upgrade Plan Intelligent Bus Stop Installation.”



10 REDUCED  
INEQUALITIES

## SDG 10 Reducing Inequality

### Reduce inequality within and among countries

Hualien County strives to balance dignity and survival equality for all groups by fostering an inclusive society. It values the rights and balanced cultural development of diverse communities, respects religious customs, and encourages social innovation.

#### Promoting Domestic Violence and Sexual Assault Prevention Services

For women and their minor children or adult female family members who experience domestic violence, sexual assault, or emergencies, the Government provide a safe shelter and psychological counseling services. These include daily care, accompaniment for medical examinations and treatment, assistance during police interviews, and employment referral and counseling services. In 2022, we provided shelter for 31 women and their children, totaling 1,182 shelter days. In addition, the Gender Violence Pilot Community Service Plan is implemented. Through courses and activities, we continue to promote violence prevention and self-protection awareness. The Hualien County

Government connects with the community, trains anti-violence speakers, and encourages local residents to strive for zero violence. We educate about various forms of violence and reporting methods, increasing social willingness to support and help, thereby enhancing the county's overall anti-violence capabilities.



#### Cultural Heritage: One Gathering Place per Tribe

Gathering places are essential for indigenous tribes to hold seasonal rituals. They serve as centers for life education, ritual heritage, and community spirit. The Hualien County Government has long valued the promotion and preservation of indigenous culture. It has initiated the construction of tribal gathering places to provide spaces for daily life, important rituals, community cohesion, and cultural transmission.

The construction of these gathering places in Hualien is progressing according to plan. Due to difficulties in land acquisition, the County Government continues to inventory existing land and school spaces. This approach aims to foster mutual prosperity between tribes and local communities, promoting intergenerational learning and cultural heritage.



## Creating a Vibrant Hakka Community

To revitalize the Hakka community's economy and enhance its cultural industries, Hualien County aims to shape the Hakka villages as attractive places for living and tourism. By utilizing relevant resources, the county has organized the "Hualien County Hakka Community Revitalization Local Support Team" and conducted "Hakka Community Revitalization Talent Training Courses." These measures support Hakka youth in starting businesses or finding employment,

attracting young talent to return or move to Hakka villages, and bringing new life to these communities.



## Religious Customs

Subsidize legally registered religious groups to conduct folk religious activities. This helps shape local cultural characteristics and integrate existing local folk festivals. By

promoting key religious cultural industries, the aim is to boost local tourism and industry development while also fostering community stability.





## SDG 11 Sustainable Cities and Communities

### Make cities and human settlements inclusive, safe, resilient and sustainable

Hualien County not only follows national land planning guidelines, but also focuses on urban and rural development to meet the needs of its citizens. It actively improves air quality, promotes low-carbon and energy-saving measures, and develops green and smart transportation. The County also pushes for social housing, and improves public facilities and social services, aiming to build an inclusive, safe, resilient, and sustainable livable city, fulfilling the goal of sustainable urban and rural development.

#### Optimizing Transportation and Road Environment

External roads of the tribes are crucial for their transportation, medical needs, disaster relief, daily supplies, and product sales. To create a friendly environment for the tribes, the Hualien County Government actively improves

external transportation by enhancing road surfaces and constructing external roads. This greatly increases convenience and safety for the tribal people.

#### “Geographic Information Integration Platform” Drives Hualien’s Digital Twin City

Hualien County is promoting a spatial information infrastructure that integrates urban planning services into a user-friendly platform. This platform serves as the county’s spatial information hub, collecting and integrating various spatial data from internal and external sources. It provides search and analysis functions, and provides mapping services both internally and externally. Currently, the platform has become the center for spatial big data in Hualien, housing 203 categories with 944 spatial data sets. It is used by 66 central units, 55 local units (totaling 1,351 officials), and 1,938 general users, for

a total of 3,289 stable users. Future plans include promoting mid- to long-term projects, such as the central government’s “Digital Twin” initiative, to further enhance spatial information applications for more refined policy planning.



## Cultural Heritage Protection Recreates Historical Scenes

Hualien is a society of diverse influences. In addition to rich indigenous cultures, it also bears the historical traces of the Qing Dynasty, the Japanese colonial period, the martial law era, and the current democratic era. These historical memories, combined with Hualien's natural beauty and diverse cultures, form the three treasures of Hualien tourism.

Along the old railway route of Hualien Port Line, six significant historical sites connect from north to south: "Old Hualien Port Street," "Old Hualien Port South Coast," "Railway Cultural Park," "Meilun Creek Historic Buildings," "Niotaoshi Settlement," and "Hualien Port Leisure Wharf." This is part of the "Hualien City Pacific Coastal Corridor Historical Scene Reproduction Project," which aims to recreate the city's unique historical texture by integrating these Pacific coastal spots, effectively promoting local history and culture. The project establishes a new urban exhibition space using technology and innovation. The project also revitalizes historical buildings with virtual technology, showcasing the

development history of Hualien City. It introduces nearby cultural heritage sites and historical spaces from aspects of military, transportation, ethnicity, and industry. This project addresses public expectations for protecting and revitalizing historical buildings, achieving the goal of preserving historical memory while utilizing space. Building on this project, the Hualien County Government is also organizing and restoring important historical buildings within the county, including the "Restoration and Beautification of the BCC (Broadcasting Corporation of China) Hualien Radio Historical Building" and the "Restoration and Beautification of Meilun Creek Japanese-style Dormitory Buildings," shaping a new cultural area where humanistic and natural beauty coexist.



## Reducing Environmental and Air Pollution

### Maintaining Air Quality

In 2022, Hualien County had 343 days with good air quality (AQI  $\leq$  50) and an annual PM2.5 average of 6.8 $\mu$ g/m<sup>3</sup>, making it the county with the best air quality in the nation. This achievement is due to the Hualien County Government's diligent efforts.

Regarding factory control, the four major factories in the Hualien County (Taiwan Cement Heping Plant, Asia Cement Hualien Plant, Heping Power Plant, and Chung Hwa

Pulp Corporation) contribute over 90% of air pollution and carbon emissions. The County Government regularly invites experts to conduct pollution improvement meetings with these major factories, enhancing control measures to reduce emissions. In 2022, the Government guided these industries to invest about 2.66 billion TWD in pollution control improvements, significantly reducing air pollution. In response to stricter cement industry emission standards and the EU's Carbon Border Adjustment Mechanism (CBAM) coming in 2024, Hualien County strengthens

guidance and inspections to ensure both cement plants meet the new particulate matter standards. We also promote carbon audits and encourage suppliers to fulfill social responsibilities, advancing sustainable supply chain development.

For mobile pollution sources, Hualien continues to control high-pollution old motorcycles, reducing emissions from vehicles in use. We use roadside inspections, subsidies, radio broadcasts, print media, LED displays, and promotional events to encourage the replacement of old motorcycles with electric ones.

Hualien also promotes the phasing out of first to third-generation large diesel vehicles, improving and equipping them with pollution control devices. We rigorously enforce exhaust and diesel controls, achieving 327 cases (165 replacements and 162 improvements) in 2022, reducing the number of first to third-generation large diesel vehicles by 7.4%.



## Reducing Waste at the Source

With over 10 million tourists annually, Hualien County's per capita daily garbage production is higher than the national average. Therefore, the County will survey and record the amount of garbage generated at tourist attractions and popular business districts. For areas with high garbage production, a detailed analysis will be conducted to understand the composition

of the waste. Based on the analysis, guidance, and bag-breaking operations will be strengthened to reduce waste generation.

In 2022, Hualien County implemented the Ministry of Environment's guidelines on reducing disposable tableware and packaged drinking water in government agencies and schools, as well as regulations on restricting the use of disposable beverage cups. Meetings were held with various departments to reach a consensus on compliance. It was decided that February to June 2022 would be the promotion period, July to August the trial period, and full implementation starting in September. During the promotion period, efforts were made to identify food service providers willing to offer eco-friendly tableware, and this information was made public on the Hualien County Government's website to increase the use of such tableware. This initiative aims to gradually make the use of eco-friendly tableware a regular practice, extending to communities, markets, and business districts.

## Reducing Single-Use Items

Hualien County inspects public departments to limit the use of single-use items, plastic shopping bags, disposable beverage cups, tableware, straws, plastic microbeads, and excessive packaging. In 2022, the County followed the Ministry of Environment's guidelines for reducing disposable tableware and packaged drinking water in government agencies and schools. Meetings were held with various departments to plan compliance, and 6,000 stainless steel eco-friendly tableware sets were provided for loan to government and private groups.

The County also plans to enforce restrictions on disposable beverage cups starting in 2024. By 2025, the use of plastic shopping bags, disposable beverage cups, tableware, straws, plastic microbeads, and excessive packaging will be fully restricted. Restaurants in business districts and night markets will be required to reduce waste types and amounts, implementing pricing incentives for using eco-friendly tableware, which will be washed and delivered by the County's tableware cleaning center. The goal is to fully ban these items by 2026, making Hualien a zero-waste dining city.



## Waste Reuse

Hualien County has 40 businesses that reuse waste as alternative materials or auxiliary fuels. In 2022, a total of 25 types of waste were reused, including organic sludge, inorganic sludge, livestock manure, waste distiller's grains, sake lees, ethanol mash, plant waste, waste plastics, waste molding rubber, waste glass, waste bricks, stone waste (plates, blocks), waste cement poles, waste paper, waste wood, paper pulp sludge, stone mine sludge, water purification sludge, calcium fluoride sludge, coal fly ash, coal bottom ash (or bottom ash containing coal fly ash), electric arc furnace slag (stone), waste iron, waste copper, waste aluminum, waste lubricating oil, and mushroom cultivation waste bags. A total of 272,626.7 tons of waste were reused, an increase of 27% compared to 2021. Increasing

the waste reuse rate effectively reduces the extraction of natural resources and achieves the goal of waste recycling.

## Turning Waste into Treasure

Hualien County has 40 businesses reusing waste as alternative materials or auxiliary fuels. In 2022, they reused a total of 25 types of waste, including organic sludge, inorganic sludge, livestock manure, waste distiller's grains, sake lees, ethanol mash, plant waste, waste plastics, waste molding rubber, waste glass, waste bricks, stone waste (plates, blocks), waste cement poles, waste paper, waste wood, paper pulp sludge, stone mine sludge, water purification sludge, calcium fluoride sludge, coal fly ash, coal bottom ash (or bottom ash containing coal fly ash), electric arc furnace slag (stone), waste iron, waste copper, waste aluminum, waste lubricating oil, and mushroom cultivation waste bags. A total of 272,627 tons of waste were reused, a 27% increase compared to 2021. Increasing the waste reuse rate effectively reduces the extraction of natural resources and achieves the goal of waste recycling.





## SDG 12 Responsible Consumption and Production

### Ensure sustainable consumption and production patterns

Hualien County has the largest area of organic farming in Taiwan. In addition to actively promoting organic agriculture, the County also integrates the concept of a circular economy into consumption and production models. This reduces general and industrial waste, promotes recycling and resource recovery, and increases the value of reused resources. These efforts effectively achieve energy savings and carbon reduction, supporting sustainable development.

### Promoting Environmentally Friendly Organic Agriculture

#### County Government Subsidies, Building Organic Production and Supply Chains

Hualien has been promoting organic agriculture for many years. Initially, higher costs and lower yields deterred farmers. To encourage organic farming, the Hualien County Government established the nation's first Organic Agriculture Promotion Office in 2020 and covered the costs of organic certification. We also provided subsidies for organic materials, land rental, and greenhouse facilities. Additionally, the Government supported farmers' associations and farmers with various machines, such as automatic packaging machines, rice selection machines, dryers, and sealing machines, to lower the barriers to organic farming and increase farmers' willingness to participate.

For example, in 2021, the Fengrong Farmers' Association renovated its soy milk factory and developed an organic soy milk production line, purchasing and processing organic soybeans from local farmers. The Government also subsidized the establishment of an ice cream factory by the Ji'an Farmers' Association in northern Hualien and pomelo processing

equipment for the Ruisui area in the south. These efforts support regional development and gradually integrate into a complete industry chain. With the introduction of smart systems, remote farming can reduce costs and increase productivity, providing the best support for farmers.



#### Encouraging Cross-Sector Cooperation for Organic Agriculture Development

Hualien is not only increasing organic farming areas but also fostering community collaboration. In 2018, the Fuli Township Farmers' Association became the first in the nation to join the "Satoyama Initiative International Partnership." This initiative balances biodiversity with sustainable resource use, achieving harmony between people and nature, and revitalizing Luoshan

Organic Village. The goal is to make Fuli a model for the “Organic Capital Promotion Zone.” Sustainable agriculture requires cross-sector cooperation. The Hualien Agriculture Department and the Fuli Township Farmers’ Association work with various agencies like the Agriculture and Food Agency, the Experimental Station, the Forestry and Nature Conservation Agency, and the Agency of Rural Development and Soil and Water Conservation. We set up isolation zones, independent water sources, and other facilities to grow organic rice, ensuring guaranteed purchase prices and maintaining income.

Collaboration with the Forestry and Nature Conservation Agency focuses on developing the forest economy, aiming to become the center for the Satoyama industrial ecosystem. Currently, besides Fuli Township, Guangfu Township is also developing Dafong Dafu Organic Ecovillage.



## Promoting Downstream Market Participation for a Sustainable Industry Chain

For a sustainable agricultural cycle, downstream markets must participate along with upstream farmers who are willing to cultivate organically. The County Government not only encourages the food and beverage

industry to use high-quality agricultural products but also established the “Hualien Small Farmers” brand. This cooperative-like concept allows small farmers to unite and connect with the market effectively. The Hualien Small Farmers brand integrates packaging design, logistics, and financial management, and promotes itself through platforms like ETMall and MOMO. It also collaborates with farmers’ association supermarkets to set up “Farmers’ Direct Sales Stations,” offering consignment services for organic small farmers, thus reinforcing Hualien’s organic image. Additionally, five leisure areas—Shoufeng, Vataan, Wuhe, Dongfeng, and Luoshan—are planned to focus on organic agriculture, attracting people to experience the rich ecology and high-quality agricultural products shaped by organic farming. Covering all aspects of life, organic agriculture provides not only safe and high-quality food but also a land-friendly approach that blends production with conservation, implementing sustainable concepts into industry development, preserving habitats, and protecting biodiversity.

The impact of organic farming extends beyond agriculture into education, promoting agri-food education in schools. Around 7,000 kilograms of organic short-term vegetables are supplied weekly for nutritious school lunches. In collaboration with Tsinghua University, National Dong Hwa University, Tzu Chi University, Hualien Agricultural School, and local middle and elementary schools, we are introducing AIoT (Artificial Intelligence of Things) and agricultural blockchain trust tracing to plant the seeds of organic farming and build trust from an early age.



## Low-Carbon Tourism and Green Travel

### Low-Carbon Tourism

Hualien County's low-carbon tourism focuses on six aspects: food, lodging, transportation, education, recreation, and shopping. For food, green restaurants are promoted, encouraging the use of local, seasonal ingredients, waste oil recycling, and reducing single-use products. For lodging, green hotels are encouraged to avoid single-use toiletries, reuse towels and linens for extended stays, use energy-saving devices, display environmental messages, and implement other local low-carbon measures. For transportation, public transport or energy-efficient vehicles are promoted. For education, eco-friendly facilities and recreational sites are chosen, ensuring no harm to the environment or excessive resource use. For recreation, engaging with nature, experiencing Hualien's forests, seas, and farms helps visitors appreciate the environment and local culture. For shopping, local cultural products and traditional crafts are promoted to reduce transport-related energy consumption. Low-carbon store certification encourages businesses to avoid plastic bags, practice waste sorting and recycling, reduce packaging, use energy-efficient lighting, and set air conditioning to 26 degrees in summer or avoid using it.

To build "Low-Carbon Tourism in Hualien," the county has established a low-carbon certification mechanism for lodging and dining. By 2022, 209 establishments were certified as low-carbon (98 stores and 111 hotels). Hualien actively supports the national plastic reduction policy, certifying 88 "plastic-free" restaurants.

For promoting low-carbon travel routes,

Hualien uses various marketing strategies, including filming travel videos, launching a Facebook page and a low-carbon travel information website, and creating a bilingual travel booklet, "Carbon Footprint-Free Hualien." This raises public awareness of Hualien's low-carbon tourism. Core low-carbon travel routes connect certified low-carbon businesses, travel promotions, e-scooter charging stations, e-bus stops, and low-carbon travel information.

In 2022, Hualien planned three low-carbon travel demonstration routes, promoting low-carbon transport, eco-guides, and low-carbon experiences. This successfully reduced carbon emissions by 55.31 kg CO<sub>2</sub>e per person. One example is the "Kiwit Community - Beautiful Lifestyle" route. The destination, Kiwit Community in Ruisui Township, symbolizes resilience with its name, Kiwit, translating to "golden sand" in the indigenous language. The community retains traditional houses and cultural artifacts, offering visitors an authentic cultural experience. Boating on the Xiuguluan River emphasizes a slow, scenic experience over thrill-seeking, combining elements of "forest," "river," "village," and "sea," embodying the concept of "slower is faster."

Hualien County has also planned low-carbon demonstration travel routes, promoting the use of green transportation. Visitors can travel to Hualien by train or bus and then use electric buses or scooters for low-carbon travel. These routes integrate low-carbon hotels, storytelling, tribal tours, and hands-on DIY activities for a narrative-rich travel experience. Each year, low-carbon demonstration routes are planned in commercial and tourist-heavy areas, combining local seasonal cuisine,

tribal culture experiences, and listening to the history of local development. This offers tourists easy participation in customized, low-carbon travel experiences

## Tourism Brand: Starlit Hualien

Hualien County, known for its excellent air quality and minimal light pollution, is ideal for developing low-carbon astronomical tourism. In 2020, Hualien County launched the brand “Starlit Hualien” to promote astronomy-related activities and courses. This initiative leverages local industries to foster education, enhance cultural literacy, and create industry highlights, linking Hualien’s beautiful seasonal night skies with its agriculture, fishery, and livestock industries. Participants can experience the ever-present starlight by occasionally escaping the lights of civilization.

Through the “Starlit Hualien - Mountain and Sea Starlight” training courses and certified guides, the program connects the breathtaking mountain and sea starry landscapes with local industries and activities, developing eco-friendly green sustainable tourism. Currently, 24 trainees have been certified, and astronomical tourism products are being introduced. The program aims to train more participants from various industries and support local businesses in developing related low-carbon services. In 2022, eight major astronomical tourism events were held, creating new industry highlights and encouraging businesses to independently host future events.



## Taiwan Tourist Shuttle - Hualien

Hualien County offers four Taiwan Tourist Shuttle routes, with transfer maps available on the Taiwan Tourist Shuttle website, bus operator websites, and at the Hualien Transfer Station. Comprehensive guides in Chinese, English, Japanese, and Korean provide route information, making transfers convenient for travelers.

The Taiwan Tourist Shuttle Hualien Valley Line package combines whale-watching tickets and Ocean Park tickets to promote low-carbon tourism. It includes a limited edition eco-friendly tote bag and a commemorative pen. Collaborations include the “Taroko Gorge Music Festival” on the Taroko Line and the “Pacific Valley Marathon” promoting the Hualien East Coast Line.

Since 2012, the Taiwan Tourist Shuttle Taroko Line has been in operation, with the Hualien East Coast Line added in 2019. Both lines continue to run. The ridership for the Taroko Line and Hualien East Coast Line was 39% in 2019 and 35% in 2022. The slight decline in 2022 is attributed to the ongoing pandemic, with only a 4% difference compared to the pre-pandemic ridership in 2019.



## Eco-Friendly Night Market

Hualien County's Dongdamen Night Market has consistently earned the highest rating, "Excellent," in Taiwan's environmental night market evaluations for several years. This recognition reflects the market's adherence to top environmental standards in reducing single-use products, recycling, low-carbon energy-saving measures, controlling oil smoke emissions, treating wastewater, and maintaining clean public restrooms. After promotion by the Environmental Protection Bureau, 200 food stalls in the night market now use no disposable tableware for dine-in customers and do not offer plastic utensils for takeout. Additionally, 188 food stalls offer discounts for customers who bring their own containers, replacing 1,200 sets of paper cups, disposable chopsticks, and paper meal boxes. This initiative reduces approximately 598 tons of CO<sub>2</sub> and 4,440 kilograms of suspended particles annually. The night market has at least six garbage and recycling facilities along its main pathways and uses recycled pallets to create recycling carts. Dedicated cleaning staff assist with waste removal and sorting. Garbage produced by vendors is collected by an external contractor, with disposal fees charged based on weight. Two eco-bag exchange stations are set up within the night market, allowing visitors to borrow eco-bags as needed. Visitors can also place unused bags from home in sharing boxes for others to use, promoting the goal of recycling and reusing bags.

Regarding water pollution prevention, 263 food vendors in Dongdamen Night Market were regulated, and all were guided to install filters in their washing sinks, achieving a 100% installation rate. In addition, 216 food-related vendors (including 75 that did not require

it) installed oil-water separators, achieving an 82% installation rate. The market also installed 18 grease traps at the end of the main drainage lines to enhance oil-water separation efficiency, with monthly cleanings to minimize pollution and meet environmental standards for managing oily wastewater. The goal is to eventually have all 263 food vendors equipped with oil-water separation devices.

For air pollution prevention, a comprehensive survey of cooking methods and oil smoke pollution levels was conducted for food vendors in Dongdamen Night Market. Based on the severity of oil smoke pollution, 135 vendors were classified and regulated: 54 with severe pollution, 47 with moderate pollution, and 34 with light pollution. All vendors have installed end-of-pipe oil smoke control devices, achieving a 100% installation rate. Regular inspections and guidance are provided to ensure compliance, and new vendors are assisted in installing and managing their oil smoke control equipment, maintaining a 100% installation rate. Vendors are educated on self-management and maintenance of the equipment to enhance pollutant treatment efficiency. Communication with vendors is facilitated through social media (LINE), where they can report maintenance records, allowing for better monitoring and regular reminders to maintain their equipment, saving manpower for inspections.



## Eco-Friendly Tableware Cleaning Center

Hualien County's Eco-Friendly Tableware Cleaning Center is expected to be completed by the end of 2024, becoming the first publicly-operated center of its kind in Taiwan. It aims to reduce the use of disposable tableware in Hualien County, foster good habits among residents and tourists, encourage the use of personal tableware, and promote responsible consumption.

Construction began in August 2023. The center will be equipped with two thirteen-compartment dishwashers, featuring automated computer systems, filtration

systems, and safety and warning devices. The project incorporates energy-saving and carbon-reduction measures, such as creating a green environment, using eco-friendly building materials, and employing green construction methods. Once completed, the center will professionally clean reusable tableware to provide clean and safe utensils for public use.



## Circular Economy: Turning Waste into Energy

### DAKA Resource Recycling Center

The Hualien County Government, under the Public Construction Promotion Law, collaborated with Taiwan Cement Corporation to establish the “DAKA Resource Recycling Center.” This facility includes a gasification furnace processing unit equipped with a crushing system, gasification furnace, fly ash and bottom ash treatment system, wastewater treatment system, ventilation system, and dichlorination system. The center works in tandem with existing cement kilns to transform waste into resources. The fly ash and bottom ash produced from gasification can be directly used as alternative materials for cement production. Additionally, the heat generated from gasification can preheat the cement kiln, achieving coal and carbon reduction benefits. This process is both environmentally friendly and sustainable.

### Biomass Energy from Livestock Manure and Biogas Slurry Irrigation

The “Posko Biogas Energy Center” in Sanmin, Yuli Township, is the nation's first centralized biogas power generation facility for livestock manure. It was primarily established to address issues of livestock odor and wastewater. Additionally, it aims to enhance the derivative benefits of livestock waste and increase the profitability of livestock operators. The ultimate goal is to transform the livestock industry into a green sector and achieve the government's target of net-zero carbon emissions by 2050 through environmental and economic sustainability.

The center collects manure and wastewater from 11 livestock farms in Yuli Township, Ruisui Township, and Guangfu Township, processing about 300 tons daily. Anaerobic fermentation produces biogas, biogas slurry, and biogas residue. The biogas is used for

power generation, while the biogas slurry and residue are transported to farmland for irrigation.

From an economic perspective, the establishment of the Posko Biogas Energy Center converts the external costs of environmental impact into profitable electricity and fertilizers. This transforms the traditional “linear economy” of consuming natural resources and producing waste into a “cradle-to-cradle” circular economy model, aligning with the United Nations’ green economy principles aimed at protecting the environment and ecology.

Since its establishment, the Posko Biogas Energy Center has reduced the discharge of livestock manure, lowering pollution levels in nearby rivers and canals, resolving local concerns about wastewater discharge and odor, and improving the quality of life for residents. In 2022, the center processed 69,735 tons of livestock wastewater, generated 150,600 kWh of electricity, and earned NT\$770,620 from electricity sales. Plans are underway to establish a second biogas reuse center between 2023 and 2024 to enhance the efficiency of livestock manure recycling. The center will continue to actively guide livestock operators and farmers to collaborate and increase farmland irrigation.



## Green Procurement

In 2022, among the 213 private enterprises recognized by the Ministry of the Environment for excellence in green procurement and promoting green consumption, 41 were from Hualien, with a total procurement amount exceeding NT\$128 million. Additionally, Hualien’s public sector green procurement amounted to NT\$114.63 million in 2022, marking a 7.5% increase from the previous year. This green procurement initiative is a prime example of the private and public sectors in Hualien working together to promote sustainable practices and a positive environmental cycle.

## SDG 13 Climate Action

### Take urgent action to combat climate change and its impacts

In response to the increasingly severe trends of climate change, Hualien County has incorporated climate change measures into policy planning. The County has proposed a greenhouse gas control implementation plan, actively established environmental education sites, and promoted environmental education to enhance disaster recovery and climate adaptation capabilities.

### Developing Climate Change Response Strategies

#### Promoting Green Transportation

Hualien County currently operates 16 fully electric buses on three routes: Route 301 in Hualien City, Route 302 in Taroko National Park, and Route 303 in the Hualien-Taitung Valley. These routes serve popular tourist spots and contribute to sustainable tourism development, with approximately 120,000 passengers annually, playing a crucial role in low-carbon transportation. The county has 8,320 registered electric scooters, 173 charging stations, and 106 battery swap stations, making it convenient for visitors to explore Hualien using low-carbon transportation.

The Hualien County Environmental Protection Bureau sets an example by renting 17 electric official vehicles, reducing annual CO<sub>2</sub>e emissions by about 31.3 tons. Future plans include coordinating with bus operators to prioritize purchasing electric buses when replacing vehicles. The county will also issue low-carbon travel vouchers for tourists, mainly for motorcycle rental shops and bus companies, allowing visitors to rent electric scooters and buy bus tickets for electric buses.

In addition, the county will continue to maintain its 171 charging stations, relocating

or updating them based on usage efficiency. Efforts will also be made to assist battery swap station operators in connecting to highways and key tourist spots in other counties, attracting visitors to Hualien using green transportation.



#### Promoting Net Zero Carbon Emissions

On May 1, 2022, Hualien County established the “Hualien County Net Zero Emissions Promotion Task Force” (renamed in 2023 to the Hualien County Climate Change Promotion Committee in response to the Climate Change Response Act). Led by the County Mayor, the task force formulated the “2050 Net Zero Emissions Policy Pathway Blueprint.” This initiative aims to achieve Hualien County’s 2050 net zero emissions goal and implement the county’s greenhouse gas

control plan. The task force coordinates and integrates efforts across various departments, conducting technical assessments and planning for the net zero emissions pathway.

The carbon reduction targets are based on the 2020 greenhouse gas emissions levels: **Short-term (by 2025)**: Achieve a 16% reduction in greenhouse gas emissions, with a cumulative reduction of 1.12 million tons of CO<sub>2</sub>e. **Mid-term (by 2030)**: Achieve a 59% reduction in greenhouse gas emissions, with a cumulative reduction of 4.05 million tons of CO<sub>2</sub>e. **Long-term (by 2050)**: Achieve the net zero emissions goal, with a 100% reduction in greenhouse gas emissions, resulting in a cumulative reduction of 6.89 million tons of CO<sub>2</sub>e.

Hualien County's second phase greenhouse gas reduction plan (2021-2025) includes 16 major strategies and 66 implementation measures. Each department is responsible for regularly reviewing the progress of their respective greenhouse gas reduction targets across six key sectors. The implementation must meet the expected reduction levels set in the plan. Annual performance is assessed based on the achievement rates, with the Hualien County Environmental Protection Bureau assisting in tracking progress.

The six major sector carbon reduction strategies are as follows:

1. Energy Sector: Expand solar installation capacity and develop renewable energy sources suited to local characteristics.
2. Manufacturing Sector: Guide factories in implementing smart energy-saving management and expand the use of clean energy and biomass fuels.
3. Transportation Sector: Replace high-

energy-consuming vehicles, promote the use of electric vehicles, create a favorable environment for low-carbon transportation, and promote green transport tourism and education.

4. Residential and Commercial Sector: Develop sustainable buildings, use smart energy-saving technology for energy transition, and promote and implement net-zero emission policies.

5. Agricultural Sector: Promote carbon reduction in agriculture, forestry, fishery, and livestock, and conduct carbon sink inventories and research in Hualien County.

6. Environmental Sector: Establish the Hualien County Net Zero Emissions Promotion Task Force, reduce sewage and wastewater, and recycle waste resources.

## Collaborating with Hualien County's Four Major Plants to Reduce Carbon Emissions

The industrial sector accounts for 93% of Hualien County's greenhouse gas emissions, making industrial carbon reduction crucial to achieving the net-zero carbon target. The main sources of these emissions are the four major plants: Taiwan Cement Heping Plant, Asia Cement Hualien Plant, Heping Power Plant, and Chung Hwa Pulp Corporation. To reach the 2050 net-zero carbon goal, the Hualien County Government is actively collaborating with these plants. Efforts include converting waste into energy through resource recycling to reduce energy consumption, as well as employing innovative carbon reduction technologies, and exploring breakthroughs in carbon capture and storage.

Taiwan Cement Heping Plant is the first

cement plant in the Country to receive a carbon label. It promotes a circular economy in the Heping Port, Power, and Plant Economic Zone, and uses low-carbon sea transport for its products. The plant won the 2022 Circular Economy Gold Award from the Ministry of Environment and is the first large-scale manufacturer in Taiwan to join EP100 for energy efficiency improvement. The plant continues to use waste-derived fuels as alternatives to conventional fuels and employs microalgae for carbon sequestration. Future plans include optimizing the performance management of the air compressor system and replacing all mill lighting with LED fixtures for energy-saving lighting control improvements.

Asia Cement Hualien Plant uses waste-derived fuels as alternatives to conventional fuels and promoted low-carbon cement certification in 2022, earning the National Sustainable Development Award in the corporate category the same year.

Heping Power Plant, Heping Port, and Taiwan Cement Heping Plant are all located within the Heping Industrial Zone. Through a closed pipeline system, raw materials, fuels, and waste from the three different industries are complementarily utilized, forming a closed loop. The fly ash produced by Heping Power Plant is stored in sealed silos and transported via closed pneumatic pipelines to the Taiwan Cement Heping Plant. Bottom ash is transported to the cement plant in covered trucks equipped with dust-proof nets. All the coal ash produced by the power plant is provided to the cement plant as an alternative raw material, making it the only coal-fired power plant in the world without an ash pond. Future plans for Heping Power Plant include installing solar power systems on the plant's

rooftops, upgrading low-pressure turbines, and developing ocean thermal energy conversion. These measures aim to reduce carbon emissions through high-efficiency green energy generation.



## Promoting Net Zero Emissions in Schools

To build smart, climate-friendly campuses, Hualien County focuses on enhancing net zero education and climate change awareness through the educational environment.

The Environmental Education Guidance Team actively integrates sustainable environmental education into school curricula in line with the 12-Year Basic Education Curriculum Guidelines. By promoting concepts of environmental action, the initiative aims to extend climate change education into daily life, fostering future global citizens who embrace sustainable living.

## Green Transportation

Hualien County, focusing on the tourism industry, actively promotes the use of green transportation for tourism. The County offers subsidies for new or replacement electric vehicles and issues low-carbon vouchers

to encourage residents and tourists to use electric buses and rent electric scooters. In 2022, in conjunction with Environmental Month activities, the county produced and distributed low-carbon travel vouchers. These vouchers could be used for discounts

at 15 low-carbon tourism-related businesses, including electric scooter rentals, electric buses, and green hotels. In 2022, a total of 4,849 vouchers were used, and the green transportation initiative was estimated to reduce carbon emissions by 6.55 tons of CO<sub>2</sub>e.

## Urban and Rural Disaster Resilient Communities

### Resilient Community Development Plan

The increase in frequency of intermittent rainfall due to extreme weather has led Hualien County to implement a low-impact development management mechanism for urban planning in low-lying areas. This includes water resource management strategies such as infiltration, water retention, storage, surface runoff drainage, and greywater recycling at individual sites, enhancing the self-adaptive capacity of public infrastructure and private properties to climate change. Flood control infrastructure planning is integrated into urban planning to address the challenges posed by extreme weather.

In conjunction with Taiwan's "Disaster Prevention and Relief Deepening Plan," Hualien has launched the "Hualien County Disaster Prevention and Relief Deepening Phase 3 Plan" to enhance local disaster prevention and relief capabilities, creating resilient communities. Specific actions include integrating existing community and tribal organizations to establish disaster prevention teams, training disaster prevention personnel, identifying community and tribal risks, investigating historical disasters, drafting community and tribal disaster prevention plans, conducting simulation drills, and developing reconstruction and recovery

mechanisms. This initiative received high praise from the Ministry of the Interior. In 2022, the County completed disaster potential surveys and updated disaster prevention maps, surveying 171 potential debris flow streams and creating 706 updated disaster prevention maps. Four communities—Guoxing, Guolian, Zhushang in Hualien City, and Hongye in Wanrong Township—participated in the resilient community initiative, with 101 persons trained in disaster prevention and 27 resilience community disaster training courses conducted. Resources for disaster prevention and relief, including personnel, materials, locations, vehicles, and equipment, were inventoried across local offices and communities. There are 164 shelters capable of accommodating 16,649 people, with 26 of these shelters having undergone preliminary seismic assessments. Additionally, resources from 36 civilian volunteer groups were compiled, and cooperation agreements or MOUs were signed with 9 volunteer groups. Two corporate self-defense training sessions were held, with 30 participants, and 72 open contracts for essential supplies were signed with the private sector, alongside 6 corporate cooperation MOUs. These efforts strengthen community-led disaster prevention, fostering a culture of preparedness, risk reduction, and evacuation to minimize casualties from natural disasters.

## Enhancing Disaster Prevention and Relief Capabilities

Although Hualien County has the largest land area in Taiwan, only 10% is plains, making it prone to disasters such as typhoons, earthquakes, and landslides on its hilly terrain. By analyzing disaster characteristics, historical events, and potential risks while considering the impacts of climate change, Hualien County initiated the “Hualien County Regional Disaster Prevention and Relief Plan” in 2022. This plan guides the four stages of disaster management: mitigation, preparedness, response, and recovery. It serves as a reference for executing agencies, the general public, and high-risk communities. In response to major events like strong earthquakes and train derailments, Hualien County has actively trained a specialized rescue team, currently comprising 40 members. Since 2021, the county has also trained three rescue dogs, which made their debut at the 2022 Firefighters’ Day celebration. These dogs—two Labradors and one Jack Russell Terrier, all around one year old—were originally used by the Customs Administration for drug detection before being donated for rescue training. Hualien County conducts annual specialized rescue drills, fostering cross-administrative collaboration and linking different levels of agencies to create a resilient protection network for the public. These drills simulate potential disasters and integrate all available equipment to conduct air, water, and ground rescues. Hualien County’s specialized rescue capabilities are well-established. In the event of major international disasters, Hualien County can also deploy international humanitarian aid teams following central government protocols.

## Strengthening Specialized Rescue Capabilities

Following major earthquakes and train derailments, Hualien County has actively trained a specialized rescue team, currently comprising 40 members. Since 2021, the county has also trained three rescue dogs—two Labradors and one Jack Russell Terrier, all around two years old. These dogs were originally used by the Customs Administration for drug detection before being donated for rescue training.

Hualien County conducts annual specialized rescue drills, fostering cross-regional collaboration and linking different levels of agencies to create a resilient protection network for the public. These drills simulate potential disasters and integrate all available equipment to conduct air, water, and ground rescues. Hualien County’s specialized rescue capabilities are well-established. In the event of major international disasters, Hualien County can also deploy international humanitarian aid teams following central government protocols.

Hualien County will continue to strengthen its rescue capabilities. The “Specialized Rescue Training Base and Disaster Education Center” is expected to be completed by the end of 2023. The training facilities will include areas for rescue operations, traffic accident handling, high and low-altitude rescues, a burn training field, and a semi-collapsed building rescue training area for earthquake scenarios.

The disaster education center will feature four main exhibition areas focused on outdoor activities, natural disasters, home disaster prevention, and emergency rescue. These areas will provide information on disaster preparedness, response, common knowledge,

and precautions through illustrations, projections, interactive displays, and VR experiences, allowing the public to learn in various ways. The three rescue dogs are

expected to complete their training within two years and, upon obtaining international certification, will be ready to execute missions.

## Promoting Environmental Education

### Environmental Education Facilities

“Sustainability is Hualien’s daily life”; the essence of sustainability lies in environmental education. To achieve the goal of a “low-carbon city, happy Hualien” and promote the “Environmental Education Act,” Hualien County established the “Hualien County Environmental Education Sustainability Center” in 2022. This initiative began with the “Hualien Sustainability Vision Exhibition,” driving the county’s environmental education efforts. In 2022, Hualien County received five excellence awards at the National Environmental Education Awards. From 2012 to the end of December 2022, seven facilities in Hualien were certified as environmental education sites, reflecting the accumulated efforts in environmental education.

For example, the Heping Industrial Zone Specialized Port Ecological Classroom, which was certified in 2022, illustrates these efforts. Since 2019, the Hualien Environmental Protection Bureau has supported the Heping Industrial Zone Specialized Port Company (referred to as Heping Port Company) in resource inventory, lesson plan development, and the revision of operational planning documents. This support enabled Heping Port Company to obtain certification in February 2022.

In addition to Heping Port Company, the Hualien County Environmental Protection Bureau actively supported other potential

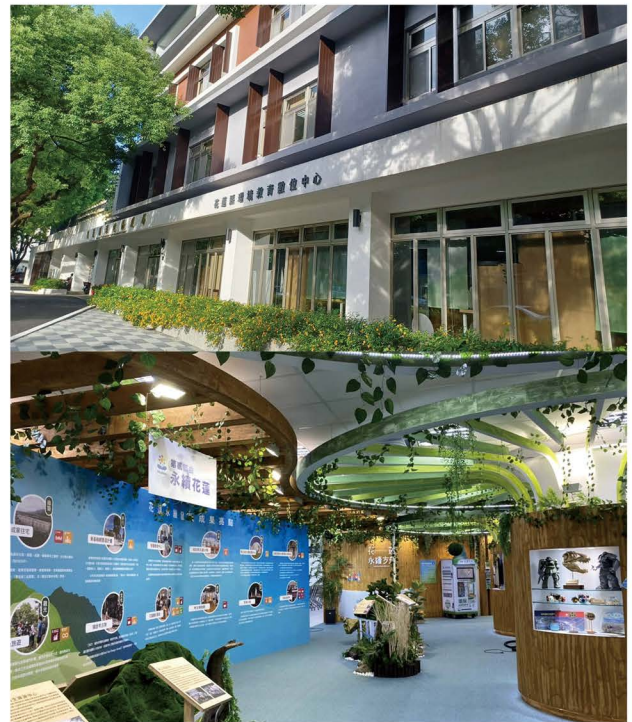
environmental education entities in 2022. These include private enterprises, communities, and government agencies such as the Mustard Seed Mission East District Service Center (Hualien Skill Learning Institute), Fish Bar Experience Museum, Biyunzhuang Local Recycling Picture Book Reading Education Park, Hualien County Hakka Cultural Center, Taiwan International Ports Corporation Hualien Branch, and Chi-Lai Green Land.

Environmental education encompasses various fields: disaster prevention and relief, environmental and resource management, nature conservation, cultural preservation, fish-food education, and more. To ensure the quality and operation of certified environmental education facilities, the Hualien County Environmental Protection Bureau conducts at least one follow-up visit per year to each certified facility. In 2022, these follow-ups helped enhance the sustainable operations of the seven certified sites, serving over 9,000 people through environmental education courses or guided tours. Additionally, according to the Chinan Nature Education Center, since its establishment, it has served over 150,000 people, significantly contributing to the promotion of environmental education.

## Environmental Education Picture Books

Through an environmental education picture book creation contest, the Hualien County Government encourages using Hualien County's local environment as the story background. The contest aims to express ideas through vivid and engaging illustrations and easy-to-understand text, inspiring children to understand the crucial relationship between the environment and ourselves. The goal is to embed the concepts of 2050 net-zero emissions and sustainable development in early childhood education. By introducing these picture books, we plant the seeds of sustainability in children's minds, helping them develop good habits from a young age. This initiative will eventually steer society

in a new direction, making the vision of sustainability a reality. Over the years, Hualien County has collected numerous outstanding environmental education picture books.



### 花蓮縣環境教育設施場所

#### Hualien County Environmental Education Facilities





## SDG 14 Life Below Water

### Conserve and sustainably use the oceans, seas, and marine resources for sustainable development

Hualien County is actively promoting the reduction of marine pollution and the recycling of discarded fishing nets and other waste. The county also advocates for eco-friendly fishing practices and marine conservation education to protect marine and coastal ecosystems and ensure sustainable development.

#### Preventing Marine Pollution

##### Coastal (Marine) Cleanup and Maintenance

Hualien County has established the “Respect the Ocean - Coastal Cleanup and Maintenance Program,” a cross-departmental communication platform organization. This program integrates the efforts of central and local government departments to conduct regular coastal cleaning and maintenance. It also actively promotes coastal adoption and organizes beach cleanup activities. Twice a year, cross-departmental platform meetings are held to discuss and address the county’s coastal cleanliness issues and ensure that each section of the coastline has a responsible managing unit.

In 2022, a total of 70 beach cleanup activities were organized and assisted. Among these, 14 were cross-departmental collaborative cleanups and coastal management maintenance events, with at least one event held each month. These events saw participation and outreach to over 1,809 people, resulting in the collection of 218 kilograms of recyclable waste and 1,007 kilograms of non-recyclable waste. The effectiveness of these efforts was recognized

with the Ministry of the Environment’s “Respect the Ocean - Coastal Cleanup and Maintenance Program” outstanding execution award in 2022.

In addition to beach cleanups and other marine environmental education, the program also focuses on source management of marine waste, such as reducing waste, intercepting river trash, and implementing source control by fishery management units.

##### “Marine Warriors” and “Environmental Fleet”

Hualien County has established the “Environmental Fleet” to maintain the marine environment. The ocean has long been affected by waste pollution, which not only harms marine ecosystems but also poses risks to navigation safety due to entanglement with marine debris. The Environmental Fleet in Hualien County removes floating and submerged marine debris, strengthens cleaning capabilities, and encourages the participation of over 137 fishing boats. These boats voluntarily bring back their own waste, assist in retrieving floating garbage, perform

waste sorting and recycling, and maintain the port environment. To date, the fleet has removed 39.675 kilograms of underwater garbage. Hualien County has recruited a total of 97 boats into the Environmental Fleet, accounting for 71% of the total fishing vessels.

Hualien County has also established the “Marine Warriors” to maintain the underwater environment. The underwater ecosystem has long been affected by abandoned fishing nets and large debris. The Marine Warriors program encourages diving enthusiasts to join and assist in the removal of 1,037 kilograms of underwater garbage. So far, 294 divers have been recruited, and efforts will continue to restore the underwater ecological environment, ensuring the protection and sustainable development of the marine environment.

Hualien County will continue to promote the removal of underwater garbage and abandoned fishing nets, particularly in areas rich in marine biodiversity.

Organize regular cleanup activities to attract volunteers to help remove garbage and fishing nets from the ocean floor. Establish an efficient system for collecting discarded fishing nets and support the development of recycling technologies. Transform the collected nets into valuable resources to reduce dependence on natural resources.

## Disposal of Abandoned Fishing Nets and Waste Management from the Source

To reduce abandoned nets and waste, we continuously educate fishermen about the Real Name System for gillnets and encourage them to bring damaged nets and household waste back to shore. This helps reduce marine pollution and protects Taiwan’s coastal fisheries. Hualien County has hired companies to handle waste disposal through open contracts. Fishermen can temporarily store old fishing nets and waste in designated areas at fishing harbors. In 2022, a total of 40 tons of fishing waste was collected and disposed of.

## Protecting Marine Ecology

Since 2013, Hualien County has designated several Fishery Resource Conservation Areas, including Yanliao, Shuilian, Gaoshan, Xiaohu, Fengbin, and Shitiping. To protect the lobster and abalone resources in Shitiping and Yanliao conservation areas, a 24-hour patrol team is in place. Through patrols and educational campaigns, we aim to enhance local awareness of resource conservation.

In addition to the six conservation areas, we promote a fishing moratorium incentive program. The Hualien County Government holds informational meetings to reach a

consensus with fishermen, emphasizing the importance of aligning with international resource management regulations. By adjusting fishing periods, we aim to reduce operational costs, increase flexibility, and support other fishery transformation initiatives. This approach ensures fishermen’s basic living needs are met while promoting the sustainable use of fishery resources.



## Cultivating Native Fish Species: Hualien Aquaculture Institute's Fish-Food Education Base

The Hualien Aquaculture Institute is a vital center for fry production and ecological protection in the county. Its main tasks and goals include producing and distributing freshwater fish fry, conserving and restoring native fish species, supporting aquaculture, promoting freshwater fish fry, providing ecological education tours, guiding aquaculture techniques, and developing economic fish species. The institute regularly offers field trip tours for local schools, allowing students to experience the importance of conserving and restoring native fish species and understanding the significance of ecological protection. It cultivates many economically valuable freshwater fish species, such as grass carp, silver carp, and guppies. The institute also features an educational

exhibition hall that presents various fish species and lake ecology information for public understanding. In line with the county's food and fish education policies, the institute plans many experiential courses to strengthen public awareness of ecological conservation.



## Fishing Moratorium Incentives

Voluntary fishing moratoriums involve boat owners voluntarily adjusting their annual sea operation days to 90 and their in-port rest days to 120. This allows fishery resources to regenerate and prevents resource depletion due to overfishing.

The Hualien County Government regularly holds informational meetings to reach a consensus with fishermen, balancing their

basic living needs with the sustainable use of fishery resources. With reduced catches and controlled overfishing, coastal and nearshore fisheries are gradually recovering. This leads to lower unit costs and increased production value, enhancing competitiveness with foreign seafood products. Therefore, coastal, nearshore, and offshore fisheries all benefit from these incentive measures.

## Protect and sustain terrestrial ecosystems, ensure biodiversity, and prevent land degradation

Hualien County boasts the largest forest area in the nation. To maintain and preserve the terrestrial ecosystem, the county employs forest patrol teams to prevent improper development of forests and hillsides. Additionally, efforts such as promoting reforestation, habitat restoration, and environmental education are implemented to prevent biodiversity loss and advocate for the value of biodiversity.

### Ecological Conservation and Biodiversity Maintenance

#### Important Habitat Ecological Service Payments

We focus on protecting productive paddy wetlands by offering incentives through ecological service payments. These incentives encourage farmers to maintain eco-friendly farmland environments, safeguarding biodiversity. Through environmental education programs, we promote the concept of biodiversity and foster a symbiotic relationship between people and the land. Ecological service payments are categorized into three types: “Habitat Maintenance Payments,” “Habitat Creation Payments,” and “Habitat Performance Payments.” Starting with “Habitat Maintenance Payments,” farmers are encouraged to preserve the biodiversity of paddy fields and terraced fields. Additional payments are awarded based on the farmers’ efforts and results in creating and maintaining eco-friendly habitats. In 2022, we supported farmers in creating 135.7 hectares of eco-friendly farmland habitats, the largest area in the nation. This effort has recorded 23 species of precious and rare wildlife, including pangolins and painted snipes.

#### Removal of Invasive Species

In addition to habitat destruction, invasive species are a major factor in biodiversity loss. The Hualien County Government takes the issue of invasive species seriously. Depending on the stage of invasion, different control measures are implemented for various invasive species. The removal efforts include species such as Mikania micrantha, brown anoles, spot-legged tree frogs, green iguanas, and white-rumped shamas.



## Conservation Actions for the Endangered Formosan Flying Fox

The Formosan flying fox population in Hualien City is the only stable group on the island, making its conservation critically important. Due to the significant overlap between their habitat and human activities, the Hualien County Government has implemented several conservation measures to protect this endangered species. These measures include: Surveying habitats and plant usage to gather basic ecological information; Preparing to establish coastal protection zones to safeguard key habitats in distribution hotspots; Developing the “Hualien Formosan Flying Fox Habitat Conservation Guide; Actively communicating and coordinating with habitat management units; Providing capacity-building courses to ensure stakeholders understand and prioritize the conservation of the Formosan flying fox; Leading guided tours to allow the public to

observe the Formosan flying fox in its natural habitat, setting an important example for wildlife conservation.

## Wildlife Conservation

To enhance wildlife conservation, we continually rescue and rehabilitate injured wildlife, releasing them back into the wild aftercare. To prevent harm to wildlife, the Hualien County Government conducts annual patrols and inspections to combat illegal poaching and trafficking of wildlife. We also guide the public in setting up safe electric fences to protect wildlife populations. Additionally, to preserve indigenous cultural traditions while ensuring wildlife conservation, the Hualien County Government supports and processes applications from indigenous communities for traditional or ritual hunting. This ensures the continuation of their cultural heritage, values, and lifestyle.

## Reforestation and Logging Ban Compensation

To increase carbon sequestration, regulate microclimates, and enhance forest cover for a better living environment, we encourage people to plant suitable trees in appropriate locations. We also support the creation of diverse habitats and provide guidance on pruning and thinning to improve forest growth and carbon storage.

Over the years, the Hualien County Government has supported reforestation efforts, creating 2,418 hectares of forested land. In 2022, 1,898 hectares of this reforested land had been growing for over 20 years. According to estimates from the Forestry Research Institute, 20-year-old reforested areas can sequester 12.6 tons of carbon dioxide per hectare annually, amounting

to approximately 24,000 tons of carbon sequestration each year. Hualien County continues to promote the logging ban compensation program for indigenous reserve lands and advocates for the concept of “sustainable forest ecosystem management.” In 2022, there were 7,101 approved cases of logging ban compensation, covering an initially approved area of 5,987 hectares.

We also work to raise environmental awareness, strengthen ecological conservation, and promote sustainable development. Indigenous communities are encouraged to participate in environmental monitoring and conservation projects, with training and resource support provided.

# SDG 16 Peace, Justice and Strong Institutions

## Promote peaceful and inclusive societies, ensure equal justice, and build credible, representative systems

Hualien County uses technology-driven law enforcement and establishes a fair and transparent legal system to create an efficient, peaceful, and inclusive society.

### Strengthening the Social Safety Net

To strengthen the social safety net and ensure stability, Hualien County has installed high-density surveillance cameras to assist in investigations and reduce crime blind spots. We have established the “Anti-Gang Task Force” and the “Anti-Fraud Hualien County Team” to effectively curb violent crime and promote anti-fraud awareness, enhancing public security efforts. In 2022, all nine cases of violent crime were quickly solved,

demonstrating strong law enforcement and deterring potential criminals, effectively improving social safety.



### Promoting Online Reporting Services

To improve service quality for the public, the Hualien County Local Tax Bureau has created a user-friendly website to encourage the use of online services. This initiative replaces physical visits with online transactions, reduces the digital divide between urban and rural areas, enhances the image of local authorities, and increases customer satisfaction. It also ensures the security of personal and tax information by completely revamping the responsive tax service website. In response to the pandemic and the need for safe interactions, the Hualien County Local Tax Bureau developed the “Tax Video and Instant Certificate Issuance Service Platform.” This platform allows online handling of five major categories and ten services, including reissuing payment notices and receipts (house

tax, land value tax, and vehicle license tax), tax certificates (house tax), tax details (house tax and land value tax), and local tax inquiries. Users can use their Citizen Digital Certificate and PIN to verify their identity through the “My E-Government” website and access house tax certificates and the latest house tax payment receipts. If an application requires an on-site inspection, it can be conducted via video communication using a mobile phone, eliminating the need for multiple trips and providing the convenience of a smart city.

Additionally, by integrating personalized data usage (MyData), citizens can use the “Convenient e-Counter” to apply online for various services, including tourism, social welfare, civil affairs, and transportation.



## SDG 17 Partnerships for the Goals

### Build diverse partnerships to collaboratively promote a sustainable vision

Hualien County actively joins international organizations and establishes sister-city relationships to promote sustainable development through global cooperation. Hualien also actively promotes volunteer services, supports non-profit organizations, and advances community building to create strong civic partnerships.

#### Sustainable Partnerships through City Diplomacy

Hualien County integrates government resources, combining efforts with businesses, community groups, and overseas communities. Activities include sister city exchanges, friendly city interactions, and hosting international guests to deepen international city alliances. These efforts continue global exchanges, share municipal experiences, and foster cooperative relationships. In addition, Hualien County actively participates in international organizations such as the International Federation of Organic Agriculture Movements (IFOAM) Asia and the Asian Local Governments

for Organic Agriculture (ALGOA). In 2023, Hualien was authorized to host the second World Organic Youth Summit, bringing together young organic farmers from nearly 30 countries and regions to discuss trends and new opportunities in organic agriculture.



#### Civic Society Partnerships

To promote youth involvement in county development, Hualien established the “Hualien Youth Advisory Committee.” This committee provides a platform for youth to voice their opinions on policies, analyze issues of concern, and offer suggestions to enhance the innovation and feasibility of government policies. The third Hualien Youth Advisory Committee recruited 21 members, held five meetings, and proposed 17 policy recommendations. Additionally, to encourage Hualien students to engage in community

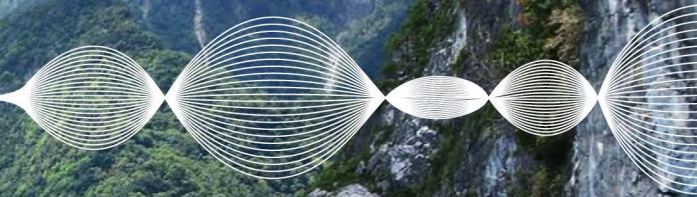
and public affairs, the “Youth Dreamer Proposal Competition” was organized. This competition promotes youth participation in public affairs and helps them discover local stories. The competition awarded a total prize of NT\$550,000. In 2022, 15 teams participated, and 10 were awarded action grants to implement their proposals. The results and experiences were shared at a celebration tea party.

## Civic Society Partnerships

County	City	Signing Date/Signature Date
USA	Hawaii County, Hawaii State	1971.09.22 Sister City
South Korea	Daejeon City, Chungcheongbuk-do	2012.09.14 Sister City
Republic of Palau	Koror State	2020.01.01 Sister City
Malaysia	Miri City, Sarawak State (Miri Division, Miri District)	2015.06.22 MOU on International Friendly Cities
Germany	Steinburg County, Bavaria State	2018.04.15 MOU on International Friendly Counties and Cities
USA	Temple City, California	2018.08.26 MOU on Cooperation Intent
Malaysia	Serian District, Sarawak State (Kuching Division)	2019.08.22 MOU on Cooperation Intent



# 5 Future Vision



To address the economic, social, and environmental pressures brought by the rapidly changing global landscape, Hualien County prioritizes sustainable development as its core governance principle. Aligning with the 17 UN Sustainable Development Goals, Hualien County is gradually crafting a sustainable future. The governance concept, “Smart City, Sustainable Hualien,” encompasses infrastructure, cultural heritage, education, industry economy, social welfare, and smart governance, building a sustainable city blueprint with solid foundations, soft power, and genuine efforts.

Hualien County, with agriculture and tourism as its main industries, faces challenges such as an aging population, a low birth rate, and the outmigration of young and middle-aged residents. To address these issues in the context of a “sustainable economy,” the focus is on creating diverse employment opportunities. By leveraging the foundations of agriculture and tourism, Hualien aims to attract new industries, drawing young and middle-aged workers into local development. The county also supports existing industries in their digital and green transitions. In the “sustainable society” domain, strategies to address aging, low birth rates, and labor force enhancement

are proposed. For the “sustainable environment,” the focus is on achieving net-zero carbon emissions by 2050, water and sanitation, air quality maintenance, and resource recycling.

This SDGs Voluntary Local Review centers on Hualien County’s vision and goals for sustainable development, emphasizing the challenges and opportunities in the areas of sustainable economy, society, and environment. The sustainable development plans will be continuously adjusted to align with different developmental stages. In line with the county governance blueprint, local indicators for each goal will be established, and a robust monitoring and evaluation mechanism will be implemented to ensure policy effectiveness.

Sustainable development is a global concern that requires broad participation and mobilization. Hualien County will integrate the efforts of industries, government, academia, research, and the public to foster stakeholder collaboration. Through media campaigns, educational outreach, and sustainability-related activities, the concept of sustainability will be deeply ingrained in the community, ensuring the welfare and balanced development of all ages, ethnic groups, and genders.



## Hualien County SDGs Indicators



01

### No Poverty

附錄

**Specific Goal 1.3** Enhance social insurance systems, including labor insurance, health insurance, and pensions, to ensure comprehensive coverage for all citizens, especially vulnerable groups. Strengthen the long-term care system by improving resource allocation and service provision.

**01 Medical Services at Township Mobile Clinics (Including Referrals and Health Checkups)(Responsible Department: Health Bureau)**

2022 Current Value: **41,811 visits** ; 2025 Target Value: **43,000 visits** ;

2030 Target Value: **46,000 visits**

**02 Coverage Rate of Long-Term Care Services=Long-Term Care 2.0 Service Users / Estimated Number of Long-Term Care Disabled Population(Responsible Department: Health Bureau)**

2022 Current Value: **99%** ; 2025 Target Value: **99%** ; 2030 Target Value: **99%**

**03 Assistance Rate for Vulnerable Children and Adolescents(Responsible Department: Social Affairs Department)**

2022 Current Value: **7%** ; 2025 Target Value: **9%** ; 2030 Target Value: **12%**

**04 Indigenous Cultural Health Stations(Responsible Department: Indigenous Peoples Administration Department)**

2022 Current Value: **103 stations** ; 2025 Target Value: **112 stations** ;

2030 Target Value: **127 stations**

**Specific Goal 1.4** Enhance protection and equal rights for all citizens, especially vulnerable groups, in areas such as entrepreneurship, employment, loans, financing, housing, and land ownership.

**05 Free Legal Consultation Services(Responsible Department: Civil Affairs Department)**

2022 Current Value: **588 consultations** ;

2025 Target Value: **646 consultations** ; 2030 Target Value: **710 consultations**

- 06 Attendance for Second Specialization Certification Classes for Military Personnel(Responsible Department: Civil Affairs Department)**  
Current Value: **95 participants** ; 2025 Target Value: **100 participants** ;  
2030 Target Value: **120 participants**
  - 07 Participation in Youth Entrepreneurship Empowerment Courses (Responsible Department: Civil Affairs Department)**  
2022 Current Value: **1,300 participants** ;  
2025 Target Value: **1,400 participants** ; 2030 Target Value: **1,500 participants**
  - 08 Consultation and Guidance for Youth Entrepreneurship Loans and Interest Subsidies(Responsible Department: Civil Affairs Department)**  
2022 Current Value: **36 participants** ; 2025 Target Value: **40 participants** ;  
2030 Target Value: **50 participants**
  - 09 Approved Applications for Micro-Entrepreneurship Loans(Responsible Department: Civil Affairs Department)**  
2022 Current Value: **14 approvals** ; 2025 Target Value: **18 approvals** ;  
2030 Target Value: **25 approvals**
  - 10 Financing Amount for Micro-Enterprises and Vulnerable Groups Lacking Collateral(Responsible Department: Civil Affairs Department)**  
2022 Current Value: **NT\$11.1 million** ; 2025 Target Value: **NT\$13 million** ;  
2030 Target Value: **NT\$15 million**
- Specific Goal 1. a Expand assistance for low- and middle-low-income households to participate in employment services and poverty alleviation programs.**
- 11 Participation in Financial Literacy Group Courses for Self-Reliance and Poverty Alleviation Programs(Responsible Department: Social Affairs Department)**  
Current Value: **113 participants** ; 2025 Target Value: **150 participants** ;  
2030 Target Value: **200 participants**



02

## Zero Hunger

**Specific Goal 2.4** Ensure sustainable food production systems, strengthen the ability to adapt to climate change, gradually improve soil quality, maintain ecosystems, and enhance the quality of agricultural production.

### 12 Total Promotion of Domestic Organic Fertilizers and Fertilizers Suitable for Organic Farming(Responsible Department: Agriculture Department)

2022 Current Value: **5,286 metric tons** ;

2025 Target Value: **6,000 metric tons** ; 2030 Target Value: **8,000 metric tons**

### 13 Application Area for Environmentally Friendly Plant Protection Materials and Number of Farmers Guided on Safe Pesticide Use(Responsible Department: Agriculture Department)

2022 Current Value: **367 hectares / 55 farmers** ;

2025 Target Value: **400 hectares / 100 farmers** ;

2030 Target Value: **500 hectares / 150 farmers**



03

## Good Health and Well-Being

**Specific Goal 3.1**-Reduce maternal mortality rates.

### 14 Maternal Mortality Rate(Responsible Department: Health Bureau)

2022 Current Value: **0** ; 2025 Target Value: **0** ; 2030 Target Value: **0**

**Specific Goal 3.3** Reduce the incidence rates of HIV, tuberculosis, and acute hepatitis B. Maintain zero local malaria cases and reduce the fatality rate of dengue fever (DF).

### 15 New HIV Infection Incidence Rate(Responsible Department: Health Bureau)

2022 Current Value: **6.58 per 100,000 population** ; 2025 Target Value: **5.5 per 100,000 population** ; 2030 Target Value: **5 per 100,000 population**

**16 New Tuberculosis Infection Incidence Rate(Responsible Department: Health Bureau)**

2022 Current Value: **46.2 per 100,000 population** ;

2025 Target Value: **43.4 per 100,000 population** ;

2030 Target Value: **40.8 per 100,000 population**

**Specific Goal 3.4 Reduce premature mortality rates from cancer, liver cancer and chronic liver disease, cardiovascular diseases, diabetes, chronic respiratory diseases, and suicide. Promote healthy lifestyles among the population.**

**17 Standardized Suicide Mortality Rate(Responsible Department: Health Bureau)**

2022 Current Value: **15.4 per 100,000 population** ;

2025 Target Value: **15 per 100,000 population** ;

2030 Target Value: **14 per 100,000 population**

**Specific Goal 3.5 Strengthen prevention and treatment of substance abuse and reduce the harm caused by alcohol.**

**18 Coverage Rate of Psychiatric Hospitals Providing Medication Treatment Services (Responsible Department: Health Bureau)**

2022 Current Value: **83%** ; 2025 Target Value: **90%** ; 2030 Target Value: **100%**

**19 Coverage Rate of Psychiatric Hospitals Providing Alcohol Addiction Treatment Services(Responsible Department: Health Bureau)**

2022 Current Value: **100%** ; 2025 Target Value: **100%** ; 2030 Target Value: **100%**

**20 Number of persons Receiving Alcohol Addiction Treatment(Responsible Department: Health Bureau)**

2022 Current Value: **69 persons** ; 2025 Target Value: **80 persons**

**Specific Goal 3.6 Reduce the number of fatalities from traffic accidents.**

**21 Number of A1 Traffic Accident Fatalities(Responsible Department: Police Bureau)**

2022 Current Value: **44 fatalities** ; 2025 Target Value: **Below 47 fatalities** ;

2030 Target Value: **Below 45 fatalities**

**22 Motorcycle Traffic Safety Promotion for College and High School Students (Responsible Department: Police Bureau)**

2022 Current Value: **53 sessions** ; 2025 Target Value: **55 sessions or more** ;

2030 Target Value: **58 sessions or more**

### Specific Goal 3.7 Improve reproductive health.

#### 23 Utilization Rate of Prenatal Care(Responsible Department: Health Bureau)

2022 Current Value: 95.24% ; 2025 Target Value: 96% ; 2030 Target Value: 97%

#### 24 Birth Rate Among Teenage Girls Under 20(Responsible Department: Health Bureau)

2022 Current Value: 3.37% ; 2025 Target Value: Below 3% ;

2030 Target Value: Below 3%

### Specific Goal 3.8 Achieve universal health coverage and sustainability.

#### 25 Utilization Rate of Adult Health Checkup Services(Responsible Department: Health Bureau)

2022 Current Value: 29.3% ; 2025 Target Value: 30% ; 2030 Target Value: 32%

#### 26 Average Vaccination Rate for Routine Childhood Vaccines(Responsible Department: Health Bureau)

2022 Current Value: 95.45% ; 2025 Target Value: 95.5% ;

2030 Target Value: 96%

### Specific Goal 3. a Reduce smoking rates.

#### 27 Adult Smoking Rate(Responsible Department: Health Bureau)

2022 Current Value: 14.3% ; 2025 Target Value: 13.3% ;

2030 Target Value: 12.3%

#### 28 Youth Smoking Rate(Responsible Department: Health Bureau)

2022 Current Value: 10.2% ; 2025 Target Value: 9.2% ; 2030 Target Value: 8.2%



04

## Quality Education

**Specific Goal 4.2** Provide innovative community public childcare services, expand accessible and convenient public education and care services, increase opportunities for children to attend childcare, and ensure that children in need receive education and care services.

### **29 Distribution Rate of Childcare Allowance for Children Under Two Years Old**

(Responsible Department: Social Affairs Department)

2022 Current Value: **84%** ; 2025 Target Value: **86%** ; 2030 Target Value: **88%**

### **30 Home-Based Care Rate for Public and Quasi-Public Childcare Subsidies for Children Under Two Years Old(Responsible Department: Social Affairs Department)**

2022 Current Value: **11%** ; 2025 Target Value: **13%** ; 2030 Target Value: **15%**

**Specific Goal 4.3** Ensure that youth and adults have equitable, affordable, and high-quality opportunities for higher education.

### **31 Number of Schools Applying for the In-Depth Art Teaching Program**

(Responsible Department: Education Department)

2022 Current Value: **55 schools** ; 2025 Target Value: **50 schools** ;  
2030 Target Value: **53 schools**

**Specific Goal 4.6** Establish diverse lifelong learning pathways, such as community colleges, to provide adults with various learning opportunities. Continue offering educational services to the public and diverse groups, promoting adult participation in lifelong learning.

### **32 Beneficiaries of Senior University Programs**

(Responsible Department: Social Affairs Department)

2022 Current Value: **1,552 participants** ; 2025 Target Value: **1,800** ;  
**participants**2030 Target Value: **2,000 participants**

### **33 Beneficiaries of the “Happy GO, Senior Students” Program**

(Responsible Department: Social Affairs Department)

2022 Current Value: **4,155 participants** ; 2025 Target Value: **5,000**  
**participants** ; 2030 Target Value: **5,500 participants**

**Specific Goal 4.7 Ensure that youth and adults have equitable, affordable, and high-quality opportunities for higher education.**

- **34 Certified Environmental Education Facilities(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **7 facilities** ; 2025 Target Value: **10 facilities** ;

2030 Target Value: **12 facilities**



## Gender Equality

**Specific Goal 5.1 Reduce the birth sex ratio.**

- **35 Birth Sex Ratio (Male to Female)(Responsible Department: Civil Affairs Department)**

2022 Current Value: **1.14** ; 2025 Target Value: **1.12** ; 2030 Target Value: **1.10**

**Specific Goal 5.5 Encourage the appointment of women as managers and leaders in administrative agencies at all levels.**

- **36 Ratio of Women Appointed as Managers and Heads of Primary Agencies in Hualien County Government(Responsible Department: Personnel Department)**

2022 Current Value: **20%** ; 2025 Target Value: **Above 20%** ;

2030 Target Value: **35%**



06

## Clean Water and Sanitation

**Specific Goal 6.1 Provide an adequate supply of high-quality water and tap water to ensure safe water usage.**

**37 Tap Water Coverage Rate= Population Served by Tap Water / Total Population x 100%(Responsible Department: Construction Department)**

2022 Current Value: **90%** ; 2025 Target Value: **90.2%** ; 2030 Target Value: **90.6%**

**38 Tap Water Coverage Rate= Population Served by Tap Water / Total Population x 100%(Responsible Department: Indigenous Peoples Administration Department)**

2022 Current Value: **6.20%** ; 2025 Target Value: **5.57%** ; 2030 Target Value: **4.52%**

**Specific Goal 6.2 Ensure the cleanliness and proper management of public restrooms.**

**39 Ratio of “Outstanding” Public Restrooms= Number of Outstanding Public Restrooms / Total Number of County-Registered Public Restrooms x 100%(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **98.7%** ; 2025 Target Value: **99.5%** ;

2030 Target Value: **100%**

**Specific Goal 6.3 Optimize river water quality to protect public health and preserve ecosystems.**

**40 Number of Households Connected to Public Sewerage and Coverage Rate (Responsible Department: Construction Department)**

2022 Current Value: **48,937 households, 38.2%** ; 2025 Target Value: **52,417 households, 41.2%** ; 2030 Target Value: **65,750 households, 51.34%**

**41 Overall Sewage Treatment Rate= Public Sewerage Coverage Rate + Private Sewerage Coverage Rate + Building Sewage Facility Installation Rate(Responsible Department: Construction Department)**

2022 Current Value: **46.72%** ; 2025 Target Value: **50.92%** ; 2030 Target Value: **57.92%**

- 42 Compliance Rate of Industrial Wastewater Inspections**  
(Responsible Department: Environmental Protection Bureau)  
2022 Current Value: **92%** ; 2025 Target Value: **94%** ; 2030 Target Value: **95%**
- 43 Five-Year Moving Average Concentration of Biochemical Oxygen Demand (BOD) in Major Rivers of Hualien County**(Responsible Department: Environmental Protection Bureau)  
2022 Current Value: **2.25 mg/L** ; 2025 Target Value: **2.2 mg/L** ;  
2030 Target Value: **2.1 mg/L**
- 44 Five-Year Average Compliance Rate of Heavy Metals (Cadmium, Lead, Mercury, Copper, Zinc) in Major Rivers of Hualien County**(Responsible Department: Environmental Protection Bureau)  
2022 Current Value: **98.5%** ; 2025 Target Value: **99%** ; 2030 Target Value: Above **99.5%**
- 45 Five-Year Moving Average Length of Major Rivers in Hualien County with Mild or No Pollution**(Responsible Department: Construction Department)  
2022 Current Value: **90%** ; 2025 Target Value: **92%** ;  
2030 Target Value: Above **92%**
- 46 Inspections and Guidance Visits for Regulated Chemical Substances**(Responsible Department: Environmental Protection Bureau)  
2022 Current Value: **49 visits** ; 2025 Target Value: **Maintain 49 visits** ;  
2030 Target Value: **Maintain 49 visits**
- 47 Cumulative Number of De-Listed Industrial Sites with Soil and Groundwater Pollution**(Responsible Department: Environmental Protection Bureau)  
2022 Current Value: **16 sites** ; 2025 Target Value: **17 sites** ;  
2030 Target Value: **Maintain 17 sites**
- Specific Goal 6.b Continue to promote community participation by encouraging citizens to report pollution, clean up dirty areas, and patrol rivers.**
- 48 Number of Water Environment Patrol Teams in Hualien County**(Responsible Department: Environmental Protection Bureau)  
2022 Current Value: **20 teams** ; 2025 Target Value: **Maintain 20 teams** ;  
2030 Target Value: **Maintain 20 teams**



08

## Decent Work and Economic Growth

**Specific Goal 8.1 Maintain moderate economic growth with a focus on innovation, employment, and equitable distribution.**

**49 Average Disposable Household Income / Median Disposable Household Income(Responsible Department: Accounting Department)**

2022 Current Value: **NT\$870,890 / NT\$732,643** ; 2025 Target Value:

**NT\$931,852 / NT\$772,206** ; 2030 Target Value: **NT\$1,014,091 / NT\$824,677**

**Specific Goal 8.5 Enhance labor productivity.**

**50 Labor Force Participation Rate for Population Aged 15 and Above(Responsible Department: Accounting Department)**

2022 Current Value: **56.7%** ; 2025 Target Value: **57%** ; 2030 Target Value: **57.8%**

**51 Job Matching Rate at Employment Fairs(Responsible Department: Social Affairs Department)**

2022 Current Value: **46.1%** ; 2025 Target Value: **50%** ; 2030 Target Value: **55%**

**52 Participation in Caregiver Training Courses(Responsible Department: Social Affairs Department)**

2022 Current Value: **624 participants** ; 2025 Target Value: **1,050 participants** ;

2030 Target Value: **1,200 participants**

**53 Employment Counseling and Projected Employment Numbers for Indigenous Industry Talent(Responsible Department: Indigenous Peoples Administration Department)**

2022 Current Value: **160 counseled / 84 employed** ; 2025 Target Value: **318**

**counseled / 254 employed** ; 2030 Target Value: **742 counseled / 593 employed**

**Specific Goal 8.5 Enhance labor productivity.**

**54 Tourism Industry Output and Number of Tourists(Responsible Department: Tourism Department)**

2022 Current Value: **NT\$29.5 billion / 146 million tourists** ; 2025 Target

Value: **NT\$30 billion / 150 million tourists** ; 2030 Target Value: **NT\$31**

**billion / 170 million tourists**



09

## Industry, Innovation, and Infrastructure

**Specific Goal 8.8** Promote sustainable tourism development by guiding the tourism industry to offer green and local travel options. Create a sustainable tourism environment in Taiwan and enhance the industry's value.

### 55 Tourism Industry Output and Number of Tourists(Responsible Department: Tourism Department)

2022 Current Value: **4.6%** ; 2025 Target Value: **5%** ; 2030 Target Value: **6%**

### 56 Ratio of Accessible Buses(Responsible Department: Construction Department)

2022 Current Value: **70%** ; 2025 Target Value: **75%** ; 2030 Target Value: **80%**



10

## Reducing Inequality

**Specific Goal 10.3** Strengthen education and promotion of laws related to gender equality and the elimination of employment discrimination. Develop comprehensive systems for preventing gender-based violence and protecting children and adolescents, enhancing public awareness of discrimination and violence.

### 57 Participation in Gender-Based Violence Community Service Program Promotion(Responsible Department: Social Affairs Department)

2022 Current Value: **7,409 participants** ; 2025 Target Value: **8,500 participants** ; 2030 Target Value: **9,500 participants**

**Specific Goal 10.5** Promote orderly, safe, regular, and responsible migration and mobility of people, including the implementation of well-planned and well-managed migration policies.

### 58 Ratio of Naturalized Citizens to Foreign Population(Responsible Department: Civil Affairs Department)

2022 Current Value: **0.4%** ; 2025 Target Value: **0.5%** ; 2030 Target Value: **0.6%**

**Specific Goal 10.6 Enhance social innovation capabilities, discover diverse social innovation models, build a friendly ecosystem for social enterprises, and help solve social problems.**

**59 Number of Teams Participating in Innovation and Entrepreneurship Competitions (Responsible Department: Civil Affairs Department)**

2022 Current Value: **53 teams** ; 2025 Target Value: **60 teams** ;

2030 Target Value: **70 teams**



**11**

## **Sustainable Cities and Communities**

**Specific Goal 11.1 Ensure that everyone has access to adequate, safe, and affordable housing and essential services, and improve living conditions for vulnerable populations.**

**60 Number of Approved Housing Units for Purchase and Repair Under the Economic Disadvantage Indigenous Housing Plan(Responsible Department: Indigenous Peoples Administration Department)**

2022 Current Value: **29 purchases / 156 repairs** ; 2025 Target Value: **35 purchases / 170 repairs** ; 2030 Target Value: **40 purchases / 180 repairs**

**Specific Goal 11.3 Develop and implement planning and management for cities and rural areas that foster public participation, social inclusion, and sustainable development.**

**61 Total Execution Rate of Subsidies for Village and Township Chief's Basic Work Expenses(Responsible Department: Civil Affairs Department)**

2022 Current Value: **98.8%** ; 2025 Target Value: **Above 95%** ;

2030 Target Value: **Above 95%**

**Specific Goal 11.5 Reduce losses caused by various disasters, with a particular focus on protecting vulnerable and low-income populations.**

**62 Total Number of Deaths, Missing Persons, and Injuries Due to Natural Disasters (Responsible Department: Fire Department)**

2022 Current Value: **102 people** ; 2025 Target Value: **Below 50 people** ;

2030 Target Value: **Below 40 people**

**63 Success Rate of Emergency Medical Services(Responsible Department: Fire Department)**

2022 Current Value: **27.13** ; %2025 Target Value: **29%** ; 2030 Target Value: **32%**

**Specific Goal 11.6 Reduce harmful impacts of urban environments, including air quality, water, and the management of other urban waste.**

**64 Ratio of Environmentally Friendly Burials(Responsible Department: Civil Affairs Department)**

2022 Current Value: **16.78%** ; 2025 Target Value: **20%** ; 2030 Target Value: **25%**

**65 General Waste Recycling Rate= (Amount of Recycled Resources + Amount of Recycled Kitchen Waste + Amount of Recycled and Reused Large Waste + Amount of Recycled and Reused Other Items) / Total General Waste Generated x 100%(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **57.95%** ; 2025 Target Value: **59%** ; 2030 Target Value: **60%**

**66 Proper Disposal Rate of General Waste= Amount of General Waste Properly Disposed / (Total General Waste Generated + Beginning Inventory of Temporarily Stored Waste) x 100%(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **58%** ; 2025 Target Value: **75%** ; 2030 Target Value: **95%**

**67 Annual Average Value of Fine Particulate Matter (PM2.5)(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **6.8  $\mu\text{g}/\text{m}^3$**  ; 2025 Target Value: **8.2  $\mu\text{g}/\text{m}^3$**  ;

2030 Target Value: **7.4  $\mu\text{g}/\text{m}^3$**

**68 Ratio of Days with AQI  $\leq$  100(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **99%** ; 2025 Target Value:  **$\geq$  98%** ;

2030 Target Value:  **$\geq$  98%**

**69 Usage of Incinerated Recycled Aggregates in Hualien County(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **9,800 metric tons** ; 2025 Target Value: **15,000 metric tons** ; 2030 Target Value: **20,000 metric tons**

Specific Goal 11.9 Strengthen the social safety net to ensure stability, enhance public security efforts, and prevent violent crime.

**70 Violence Crime Solving Rate in Hualien County(Responsible Department: Police Bureau)**

2022 Current Value: **100%** ; 2025 Target Value: **100%** ; 2030 Target Value: **100%**



## Responsible Consumption and Production

Specific Goal 12.2 Monitor the usage of key materials, incorporate sustainable management throughout the material life cycle, and promote the sustainable use of raw materials.

**71 Number of Outstanding Resource Recycling Enterprises Assisted(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **2 enterprises** ; 2025 Target Value: **4 enterprises** ;

2030 Target Value: **6 enterprises**

**72 Number of Companies Assisted to Become Reuse Facilities (Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **2 companies** ; 2025 Target Value: **4 companies** ;

2030 Target Value: **6 companies**

**73 Amount of Waste Reused by Companies as Alternative Raw Materials or Auxiliary Fuels(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **692.2 metric tons** ; 2025 Target Value: **750 metric tons** ; 2030 Target Value: **1,000 metric tons**

Specific Goal 12.4 Reduce waste generation through green production, enhance waste reuse and treatment technologies, promote the resource recycling industry towards higher efficiency, and manage chemicals and waste by international conventions.

**74 Proper Reuse Rate of Industrial Waste(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **86%** ; 2025 Target Value: **88%** ; 2030 Target Value: **90%**

**75 Inspection Rate of Kitchen Waste Disposal in Large Chain Fast Food and Restaurant Industries(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **90%** ; 2025 Target Value: **100%** ; 2030 Target Value: **100%**

**76 Per Capita Hazardous Industrial Waste(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **0.00327 metric tons per person** ;

2025 Target Value: **0.005 metric tons per person** ;

2030 Target Value: **0.005 metric tons per person**

**Specific Goal 12.8 Promote environmentally friendly and circular agriculture to reduce soil and water pollution from agricultural practices and waste.**

**77 Number of Certified Organic Farms and Area(Responsible Department: Agriculture Department)**

2022 Current Value: **658 farms / 3,068 hectares** ;

2025 Target Value: **700 farms / 3,500 hectares** ;

2030 Target Value: **800 farms / 4,000 hectares**

**78 Number of Farms and Area for Environmentally Friendly Cultivation(Responsible Department: Agriculture Department)**

2022 Current Value: **227 farms / 516 hectares** ;

2025 Target Value: **300 farms / 550 hectares** ;

2030 Target Value: **400 farms / 600 hectares**

**79 Amount of Livestock Manure for Biomass Energy Generation Planned to establish a second and third biomass energy center in Northern Hualien (Shoufeng) or Central Hualien (Ruisui) to handle an equivalent amount of livestock manure.(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **69,735 metric tons** ;

2025 Target Value: **109,500 metric tons** ;

2030 Target Value: **140,000 metric tons**

**80 Total Approved Amount of Digestate and Biogas Slurry for Irrigation(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **150,000 metric tons** ; 2025 Target Value: **200,000 metric tons** ; 2030 Target Value: **230,000 metric tons**



13

## Climate Action

**Specific Goal 13.1 Enhance climate change adaptation capabilities, strengthen resilience, and reduce vulnerability.**

**81 Ratio of Flood Control Infrastructure Integrated into Urban Planning Areas = Urban Planning Areas with Flood Control Infrastructure / Existing Urban Planning Areas(Responsible Department: Construction Department)**

2022 Current Value: **0%** ; 2025 Target Value: **50%** ; 2030 Target Value: **100%**

**82 Approved Area for Logging Ban Compensation on Indigenous Reserved Land(Responsible Department: Indigenous Peoples Administration Department)**

2022 Current Value: **5,987 hectares** ; 2025 Target Value: **6,150 hectares** ;  
2030 Target Value: **6,160 hectares**

**Specific Goal 13.2 Implement phased greenhouse gas control targets.**

**83 Annual Greenhouse Gas Emissions in Hualien County(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **6.442 million metric tons (CO<sub>2</sub>e)** ;  
2025 Target Value: **5.77 million metric tons (CO<sub>2</sub>e)** ;  
2030 Target Value: **2.84 million metric tons (CO<sub>2</sub>e)**

**84 Installed Capacity of Renewable Energy in the Energy Sector(Responsible Department: Environmental Protection Bureau, Tourism Department)**

2022 Current Value: **Cumulative increase of 1.8 MW** ;  
2025 Target Value: **Cumulative increase of 4.7 MW** ;  
2030 Target Value: **Cumulative increase of 16.7 MW**

**85 Carbon Emissions in the Manufacturing Sector(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **6.467 million metric tons (CO<sub>2</sub>e)** ;  
2025 Target Value: **5.88 million metric tons (CO<sub>2</sub>e)** ;  
2030 Target Value: **3.554 million metric tons (CO<sub>2</sub>e)**

**86 Carbon Emissions in the Transportation Sector(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **1.1082 million metric tons (CO<sub>2</sub>e)** ;

2025 Target Value: **1.074 million metric tons (CO<sub>2</sub>e)** ;

2030 Target Value: **0.792 million metric tons (CO<sub>2</sub>e)**

**87 Carbon Emissions in the Residential and Commercial Sector(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **0.873 million metric tons (CO<sub>2</sub>e)** ;

2025 Target Value: **0.873 million metric tons (CO<sub>2</sub>e)** ;

2030 Target Value: **0.689 million metric tons (CO<sub>2</sub>e)**

**88 Carbon Emissions in the Agricultural Sector(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **0.0886 million metric tons (CO<sub>2</sub>e)** ;

2025 Target Value: **0.085 million metric tons (CO<sub>2</sub>e)** ;

2030 Target Value: **0.068 million metric tons (CO<sub>2</sub>e)**

**89 Carbon Emissions in the Environmental Sector(Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **0.4272 million metric tons (CO<sub>2</sub>e)** ;

2025 Target Value: **0.414 million metric tons (CO<sub>2</sub>e)** ;

2030 Target Value: **0.206 million metric tons (CO<sub>2</sub>e)**

**Specific Goal 13.3 Enhance climate change sustainability education and public awareness.**

**90 Promotion of Net Zero Campus Initiative (Responsible Department: Education Department)**

2022 Status: **Planning the Net Zero Emissions Campus Promotion Plan, requiring all 126 county-affiliated elementary, middle, and high schools to report monthly carbon emissions to establish benchmarks for carbon reduction in schools.**

2025 Targets: **1. Engage Energy Service Companies (ESCOs) to complete carbon footprint assessments for three target schools and provide consultation and recommendations.**  
**2. Develop curriculum designs for two cases to be implemented in county schools.**

2030 Target: **Establish one exemplary Net Zero Emissions Demonstration School in each township and town of the county, serving as a central school for promoting the initiative in their respective regions.**



14

## Life Below Water

**Specific Goal 14.1 Reduce various forms of marine pollution, including nutrients and marine debris.**

**91 Disused Fishing Gear Temporary Storage Area Clearance Volume (Responsible Department: Agriculture Department)**

2022 Current Value: **40 metric tons** ;

2025 Target Value: **Maintain at 40 metric tons or decrease** ;

2030 Target Value: **Maintain at 40 metric tons or decrease**

**92 Clearing Operations of Fishing Nets in Reef Areas (Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **0.8 metric tons** ; 2025 Target Value: **1 metric ton** ;

2030 Target Value: **1.5 metric tons**

**93 Underwater Garbage Removal Operations (Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **1.5 metric tons** ; 2025 Target Value: **2.5 metric tons** ;

2030 Target Value: **5 metric tons**

**94 Marine Litter Classification at Public Recreation or Scenic Areas (Trash volume within 100 meters exceeds 80 liters) (Responsible Department: Environmental Protection Bureau)**

2022 Current Value: **Level 3** ; 2025 Target Value: **Level 2** ;

2030 Target Value: **Below Level 2**

### Specific Goal 14.2 Manage and Protect Marine and Coastal Ecosystems Sustainably

#### 95 Maintain the Number of Marine Conservation Areas(Responsible Department: Agriculture Department)

2022 Current Value: **6 major conservation areas** ;

2025 Target Value: **Maintain 6 major conservation areas** ;

2030 Target Value: **Maintain 6 major conservation areas**

附錄

### Specific Goal 14.3 Mitigate and Improve the Effects of Ocean Acidification

#### 96 Hualien County Coastal Environmental Water Quality Compliance Rate for 7 Parameters (Dissolved Oxygen, Cadmium, Lead, Mercury, Copper, Zinc, Ammonia Nitrogen) at Qixingtang, Environmental Protection Park, and Henanshi Monitoring Stations(Responsible Department: Environmental Protection Bureau)

2022 Current Value: **100%** ; 2025 Target Value: **100%** ; 2030 Target Value: **100%**

Specific Goal 14.4 Effectively monitor harvesting, eliminate overfishing, and address illegal, unreported, and unregulated destructive fishing practices, while striving to restore fish stocks to sustainable levels.

#### 97 Apply for fishing moratorium incentives for various types of fishing boats and rafts(Responsible Department: Agriculture Department)

2022 Current Value: **150 vessels** ; 2025 Target Value: **180 vessels** ;

2030 Target Value: **200 vessels**



## Life On Land

**Specific Goal 15.1 Protect, maintain, and promote the sustainable use of terrestrial and inland aquatic ecosystems.**

- 98 The area of land conservation zones as a percentage of the total county area (Responsible Department: Land Administration Department)**  
2022 Current Value: **48.61%**.
- 99 The area of important habitat conservation (Responsible Department: Agriculture Department)**  
2022 Current Value: **135 hectares** ; 2025 Target Value: **150 hectares** ;  
2030 Target Value: **180 hectares**
- 100 The ecological inspection of river dredging (Responsible Department: Civil Affairs Department)**  
2022 Current Value: **Once** ; 2025 Target Value: **Twice** ; 2030 Target Value: **Twice**



## Peace, Justice and Strong Institutions

**Specific Goal 16.4 Integrate anti-corruption efforts, shape a society with “zero tolerance for corruption,” and target high-risk sectors for specialized inspections.**

### 101 Conducting Integrity Education and Promotion (Responsible Department: Government Ethics Department)

2022 Current Value: **120 sessions** ; 2025 Target Value: **Over 140 sessions** ;

2030 Target Value: **Over 200 sessions**

### 102 Conducting Corporate Integrity Promotion (Responsible Department: Government Ethics Department)

2022 Current Value: **19 sessions** ; 2025 Target Value: **Over 20 sessions** ;

2030 Target Value: **Over 25 sessions**

**Specific Goal 16.4 Integrate anti-corruption efforts, shape a society with “zero tolerance for corruption,” and target high-risk sectors for specialized inspections.**

### 103 Birth Registration Rate (Responsible Department: Civil Affairs Department)

2022 Current Value: **100%** ; 2025 Target Value: **100%** ; 2030 Target Value: **100%**



## Partnerships for the Goals

**Specific Target 17.16 Facilitate and enhance global cooperation in sustainable development through multilateral collaboration, mobilizing and sharing knowledge, expertise, technology, and financial support to assist all countries, especially developing nations, in achieving the Sustainable Development Goals.**

### 104 International Sister Cities (Responsible Department: Civil Affairs Department)

2022 Current Value: **7** ; 2025 Target Value: **9** ; 2030 Target Value: **10**





## 2023 Hualien County SDGs Voluntary Local Review

---

Publisher: Hsu Chen-Wei

Editor-in-Chief: Wu Kun-Ru

Editorial Team: Various Departments of Hualien County Government

Publishing Unit: Hualien County Government

Address: No. 17, Fuqian Road, Hualien City, Hualien County 970, Taiwan

Phone: 03-822-7171

Website: [www.hl.gov.tw](http://www.hl.gov.tw)

---

Executing Unit: Taiwan Institute of Economic Research

Planning and Execution: Lo Chin-Wen

Address: No. 16-8, Dehui Street, Zhongshan District, Taipei City 10491, Taiwan

---

Printing Company: Da'an Printing Industry Co., Ltd.

Address: 1st Floor, No. 21, Section 1, Jianguo Road, Beichang Village,  
Ji'an Township, Hualien County 973, Taiwan

---

Publication Date: December 2023

GPN: 3911200010

All rights reserved. Unauthorized reproduction is prohibited.



# SUSTAINABLE DEVELOPMENT GOALS



花蓮縣政府  
Hualien County Government

