



HSINCHU CITY

VOLUNTARY LOCAL REVIEW

2025



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MESSAGE FROM THE ACTING MAYOR



We will continue to build a city where citizens can enjoy enduring happiness.

This is the Secure Living Technology City.

Hsinchu City, a renowned technology city, boasts tremendous strength in the technology industry and continually leads Taiwan towards an innovative and intelligent future. It is not only the leader of Taiwan's technological development, but also the CPU of the world technology industry. As an important hub of Taiwan's technology industry, Hsinchu City not only gathers top-tier research and development capabilities, but also has a young population with a high level of education. The city has nurtured numerous innovative talents and high-tech enterprises, demonstrating its vigorous industrial momentum and unlimited development potential.

The rapid development of technology and economy has resulted indirectly in environmental burdens. Issues like sustainable development and climate change response have been gradually highlighted in the international community, with concrete actions and goals successively proposed; the United Nations has set 17 sustainable development goals (SDGs), and the whole world is actively promoting the implementation of relevant policies including vision of Net Zero by 2050 and Climate Change Response Act, hoping that all the countries can implement sustainable development actions and continually review and improve the implementation results of related goals.

After Mayor Kao, Hung-An took office, the second version of Voluntary Local Review (VLR) of Hsinchu City was published in 2023, to fulfill the vision of Net Zero by 2050. In this report, the review of the 17 SDGs was expanded. The third version of VLR has been published this year, continually reviewing these 17 SDGs and planning a special chapter on the highlights of Hsinchu City as a "Secure Living Technology City". It demonstrates the achievements of the cooperation between the city government and all sectors of society and the

highlights of governance enhancement through technological instruments or smart systems.

To comprehensively promote and develop issues related to sustainability, the city government established the Hsinchu City Sustainable Development and Climate Change Response Promotion Committee in 2023. Experts and scholars in relevant fields such as the economy, society and environment were invited to participate in the committee. Their professional guidance and suggestions are adopted as important reference for the formulation and execution of relevant policies in the future.

Sustainable development is not only a global issue, but also a common responsibility of everyone on the earth. The city government will continue to refine its sustainable development policies, join hands with the industries, the governments, academia, research institutions and the public, actively promote cross-district and cross-border sustainable exchanges, and strengthen the city's resilience and technological application, thereby building a secure living technology city where people can find eternal happiness.



Acting Mayor of Hsinchu City

Chiu, Chen-Yuan



SUSTAINABLE DEVELOPMENT GOALS

The United Nations convened a sustainable development summit in 2015. At the summit, the Transforming our world: the 2030 Agenda for Sustainable Development was adopted, and 17 Sustainable Development Goals and 169 Targets were set out as the guiding principles for sustainable development in the world by 2030, covering three major aspects (environmental protection, social progress, and economic growth) and focusing on “Planet” for environmental value, “People” for social value, “Prosperity” and “Peace” for economic value, and “Partnership” for implementation. It aims to achieve a prosperous blueprint for the future of mankind and the earth.

Since the United Nations encourages all countries to conduct regular reviews on sustainable development and improve their sustainable development mechanisms, Taiwan released the first “Voluntary National Reviews (VNR)” in 2017, and completed “Taiwan Sustainable Development Goals (TSDGs)” in 2019. Taiwan has established 1 additional core goal of “Nuclear-free Homeland”, and therefore it has 18 core goals in total.

The local governments are also playing a crucial promoting role, disclosing the governance achievements of urban sustainable development and local characteristics through VLRs.



Source: UN Office for Sustainable Development



SDG 01	No Poverty	End poverty in all its forms everywhere.
SDG 02	Zero Hunger	End hunger, achieve food security and improved nutrition and promote sustainable agriculture.
SDG 03	Good Health and Well-being	Ensure healthy lives and promote well-being for all at all ages.
SDG 04	Quality Education	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
SDG 05	Gender Equality	Achieve gender equality and empower all women and girls.
SDG 06	Clean Water and Sanitation	Ensure availability and sustainable management of water and sanitation for all.
SDG 07	Affordable and Clean Energy	Ensure access to affordable, reliable, sustainable, and modern energy for all.
SDG 08	Decent Work and Economic Growth	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.
SDG 09	Industry, Innovation, and Infrastructure	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.
SDG 10	Reduce Inequalities	Reduce inequality within and among countries.
SDG 11	Sustainable Cities and Communities	Make cities and human settlements inclusive, safe, resilient, and sustainable.
SDG 12	Responsible Consumption and Production	Ensure sustainable consumption and production patterns.
SDG 13	Climate Action	Take urgent action to combat climate change and its impacts.
SDG 14	Life below Water	Conserve and sustainably use the oceans, seas, and marine resources for sustainable development.
SDG 15	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.
SDG 16	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.
SDG 17	Partnerships for the Goals	Strengthen the means of implementation and revitalize the global partnership for sustainable development.



FEATURED HIGHLIGHT ON H SINCHU CITY



1. Historical Allusions

Hsinchu City, formerly known as “Tik-tshàm”, is a windy city of Tik-tshàm with profound cultural heritage. The name of the city originates from two historical backgrounds: according to one theory, the ancient residents “planted thorny bamboos all around to form a city”, which was known as the ancient city of “Tik-tshàm”; according to the other theory, the city was “Tik-tshàm Community”, the settlement of the Taokas, a Pingpu Indigenous group. This demonstrates the origin of the integration of multiple ethnic groups in this city since ancient times. There are numerous historical sites and buildings scattered in the urban area, including Hsinchu Station, Yingxi Men (Hsinchu East Gate), Hsinchu State Hall, Hsinchu City God Temple, Hsinchu Guandi Temple, Residence of Imperial Scholar (Zheng Yongxi), etc., not only telling the stories of the city’s history, but also indicating that the city is an ancient capital of cultural inheritance and a witness to its historical glory.

2. Geography

Hsinchu City is located in the northwestern part of Taiwan and is divided into three districts, i.e., East District, North District, and Hsiangshan District, with an area of about 104 square kilometers. Facing the Taiwan Strait, Hsinchu City is an important science and technology center and a transportation hub in northern Taiwan. It is surrounded by mountains on three sides and borders the Taiwan Strait on the west. The northeast monsoon in winter creates strong wind characteristics, earning the city the title of “Windy City”.



3. Three High and One Low” DNA

High Income: Economy and Prosperity

In accordance with the Ministry of Finance’s “Statistical Statement of Preliminary Verification and Approval of Comprehensive Income Tax Declarations”, the average comprehensive income of Hsinchu City reached NT\$ 1.524 million, ranking the first place in Taiwan; Hsinchu County ranked the second place with average comprehensive income of NT\$ 1.353 million. Taipei city ranked the third place with average comprehensive income of NT\$ 1.287 million; for the other remaining 5 special municipalities besides Taipei City, the average comprehensive income ranged from NT\$ 790,000 to NT\$ 864,000.



High Level of Education: Knowledge and Innovation

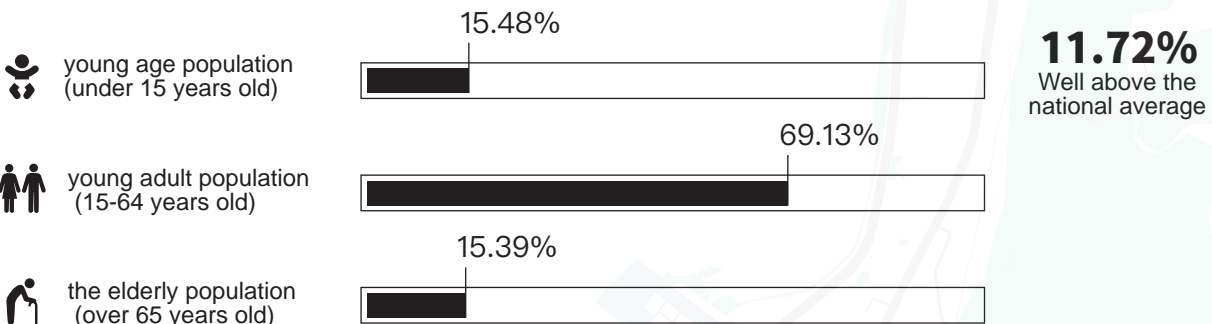
There are five top universities in Hsinchu City, including National Tsing Hua University, National Yang Ming Chiao Tung University, Chunghua University, Hsuan Chuang University, and Yuanpei University of Medical Technology. With sufficient higher education resources, a great many of excellent talents have been cultivated. In accordance with the statistics regarding “Education Attainment of People Aged 15 and Above” of counties and cities released by the Ministry of the Interior in 2024, the number of research institutes in Hsinchu City accounted for 16.36%, higher than the average ratio of 8.93% in Taiwan, while the number of colleges and universities accounted for 34.11%, higher than the average ratio of 30.80% in Taiwan.

High Fertility Rate: Energy and Hope

The city promotes the policy of “Willing to Marry, Daring to Give Birth, and Happy to Raise Children”, and implements friendly parenting policies including childbirth allowances, childcare services, and services for pregnant women, thereby improving the overall parenting environment. The statistics of fertility rate released by the Ministry of the Interior in 2024 indicated that the crude birth rate (number of births per 1,000 people) of Hsinchu City reached 6.62‰, higher than the average ratio of 5.76‰ in Taiwan.

Low Age Composition: Youth and Vitality

According to the three-stage demographic statistics of counties and cities released by the Department of Household Statistics, Ministry of the Interior in 2024, Hsinchu City has a population of 457,242, of which the young age population under the age of 15 accounts for 15.48%, the highest proportion of young people in Taiwan and much higher than the average proportion of 11.72%. The young adult population aged 15-64 accounts for 69.13%, and the elderly population aged 65 or higher accounts for 15.39%.



4. Double Urban Strengths: Leading Technology and Craftsmanship Inheritance



Technology Flagship Base
An Intelligent Core Driving the Future



Profound Traditional Industries
Innovation and Continuity of Local Skills

Technology Flagship Base: An Intelligent Core Driving the Future

With a complete science and technology industrial cluster, Hsinchu City has become a core base of high-technology industry in Taiwan. It is home to the Hsinchu Science Park where global leading semiconductor and electronics industry giants such as TSMC and MediaTek gather, driving Taiwan's scientific and technological development; the Industrial Technology Research Institute is a cradle for innovative research and development, advancing technology transfer and industrial upgrading; the Siangshan Industrial Park provides traditional machining strength to reinforce the comprehensive competitiveness of the technology industry; additionally, there are other scientific and technological R&D entities like the Taiwan Space Agency, National Synchrotron Radiation Research Center, and Food Industry Research and Development Institute.

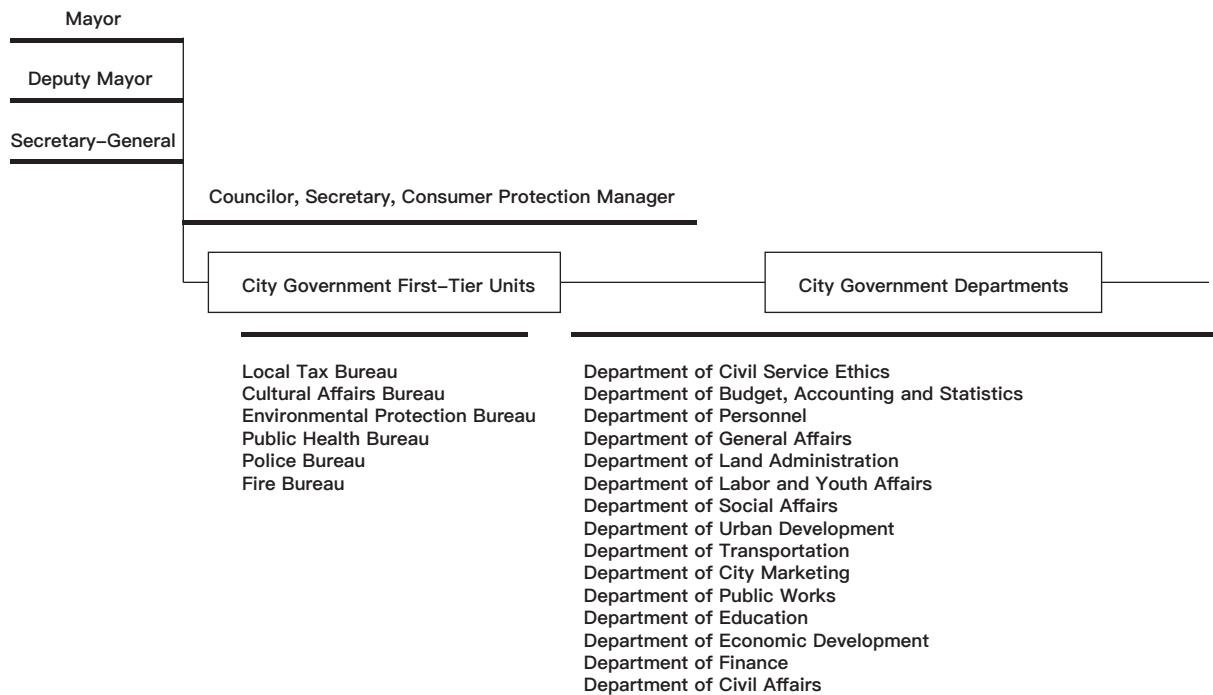
Profound Traditional Industries: Innovation and Continuity of Local Skills

In addition to high-tech industries, the traditional industries in Hsinchu City also have a profound history and development potential. The glass craft is one of the representative industries in Hsinchu. The city was famous for producing glassware and optical glass in the past. To this day, there are still several glass factories in continuous operation, and this industry has been developed into a sightseeing and handicraft industry; the rice noodle and meatball industries inherit the century-old skills, and have become essential local characteristics, enjoying a high reputation in Taiwan.



5. Excellent City Government Team: A Solid Driving Force for Sustainable Governance

The Hsinchu City Government has 15 departments and 6 first-tier units. In active response to the United Nations SDGs and the policy direction of “Climate Change Response Act”, the city government has established “Hsinchu City Sustainable Development and Climate Change Response Promotion Committee”, aiming to promote the development and review of major issues related to sustainable development and climate change response as well as the coordination and promotion of related affairs. Also, it has set up “Hsinchu City Sustainable Development and Climate Change Response Promotion Office” to promote work related to sustainable development and climate change response.



Organization Structure of Hsinchu City Government



Hsinchu City Sustainable Development and Climate Change Response Promotion Committee

Chairman

- Post held by the Mayor

Assistant Chairman

- Post held by the Deputy Mayor or Secretary-General

Hsinchu City Sustainable Development and Climate Change Response Promotion Office

- Counselor or Senior Secretary concurrently serves as Executive Secretary
- The Director of Department of General Affairs and the Director of Environmental Protection Bureau concurrently serves as Deputy Executive Secretary

Cooperating units

National Science and Technology Commission
Hsinchu Science Park Administration

Members of Committee

15 to 21 directors of relevant government agencies and bureaus

5 to 10 experts, scholars, representatives of industry or social groups with specialized knowledge and experience

Organizational Chart of Hsinchu City Sustainable Development and Climate Change Response Promotion Committee

6. Budget Allocation and Disclosure Mechanism for Sustainable Development Business

Adhering to the principle of financial transparency, Hsinchu City announces its annual total budget and financial accounts on the official website of the Department of Budget, Accounting and Statistics for the public to view and supervise, thereby strengthening citizen participation and the credibility of governance. To promote sustainable development related business, the city has prepared budgets and annual expenditure for four major categories, i.e., “Education, Science and Culture”, “Economic Development”, “Social Welfare”, and “Social Development and Environmental Protection”. The growth status in recent years is as follows:

The annual expenditure in the general final accounts reached approximately NT\$ 23.6 billion in 2022.

Education, Science and Culture: 38.9%	Social Welfare: 15.8%
Economic Development: 13.5%	Social Development and Environmental Protection: 6.5%

The annual expenditure in the general final accounts reached approximately NT\$ 24 billion in 2023.

Education, Science and Culture: 41.3%	Social Welfare: 17.3%
Economic Development: 10.0%	Social Development and Environmental Protection: 5.6%

The annual expenditure in the general final accounts reached approximately NT\$ 24.6 billion in 2024.

Education, Science and Culture: 39.9%	Social Welfare: 17.5%
Economic Development: 11.4%	Social Development and Environmental Protection: 5.9%

The annual budget in the general final accounts reaches approximately NT\$ 29.7 billion in 2025.

Education, Science and Culture: 37.3%	Social Welfare: 18.5%
Economic Development: 10.0%	Social Development and Environmental Protection: 7.1%

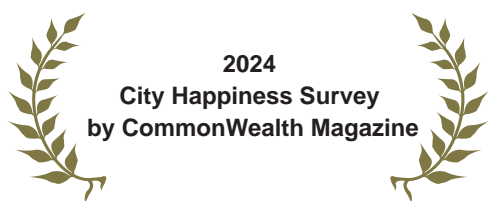
7. Outstanding Achievements in Sustainability: Awards and Recognition of Governance

The city has gone all out with respect to environmental, economic and social governance, and actively promoted sustainable governance and the application of intelligent technologies. Through the combination of innovative thinking and practical actions, it has demonstrated excellent achievements in sustainable development, and won national awards and recognition in professional appraisals, thereby further strengthening citizens’ confidence in and expectations for the future development.

Sustainability Appraisal and Urban Competitiveness



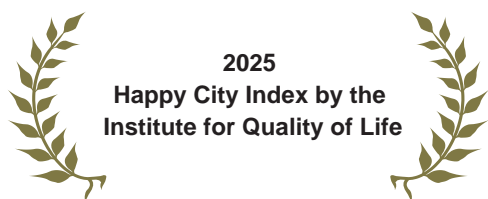
Overall competitiveness: The 4th place among ordinary counties and cities
 Social sustainability: The 5th place among counties and cities other than the six special municipalities
 Governance sustainability: The 5th place in Taiwan and the 2nd place among counties and cities other than the six special municipalities
 Economy and employment: The 2nd place in Taiwan
 Public security and fire protection: The 1st place in Taiwan



Culture and education: The 1st place among counties and cities other than the six special municipalities
Economy: The 4th place among counties and cities other than the six special municipalities
Diversity, inclusion and governance: The 5th place among counties and cities other than the six special municipalities

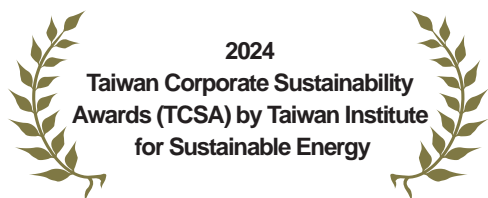


Special excellence award for sustainable city: The 1st place in Taiwan
Difficulty in job hunting: The highest poll score in Taiwan
Disposable income: The 2nd place in Taiwan
Violent crime rate: The lowest in Taiwan
Gender-friendly: The highest proportion of female government employees and teachers in Taiwan.



Happy index: The 75th place in the world and the 2nd place in Taiwan
Happy city: "Silver" City

Awards from Professional Institutions and the Government



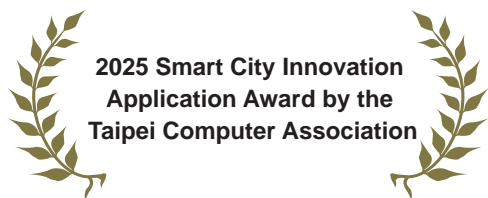
Growth Through Innovation Leadership Award
Social Inclusion Leadership Award
"Gold Award" for Government Voluntary Local Review



The "Siangshan Wetland Crab Habitat Water Environment Improvement Plan" and "Keya Creek Dingnan Canal and Keya Mountain Section Habitat Improvement Plan" won the excellence awards in the category of environmental planning.



Special Excellent Counties and Cities Awards
Excellent County or City Assistance Award



The pioneering "Vehicular Six-in-One Composite Inspection Device" in Taiwan won 2025 Smart City Innovation Application Award.

IMPLEMENTATION HISTORY OF Hsinchu City VLR



VLR Implementation History

STEP 1

Local summarization: Finding the starting point of sustainability of Hsinchu

- > Summarize the local characteristics, e.g., “Three High and One Low” city DNA and technological industrial cluster.
- > Establish a sustainable blueprint with specific governance directions in combination with five core values and ten major governance strategies.

STEP 2

System construction: Establishing a promotion framework and a dedicated team for sustainable development

- > The “Hsinchu City Sustainable Development and Climate Change Response Promotion Committee” was established in 2023, aiming to promote the development and review of major issues related to sustainable development and climate change response as well as the coordination and promotion of related affairs.

- > In the same year, the city government established “Hsinchu City Sustainable Development and Climate Change Response Promotion Office” to promote work related to sustainable development and climate change response as a dedicated unit for overall planning and communication.

STEP3

Report preparation: VLR publication

- > In 2021, the first version of VLR was published, marking the beginning of the review of the city’s sustainable development achievements.
- > In 2023, the second version of VLR was published and announced at the Institute for Global Environmental Strategies (IGES), to facilitate exchanges with countries in the world.

STEP4

Content improvement: Rolling revision and review

- > The first version of VLR involved 7 SDGs and 35 indicators, while the second version covered 17 SDGs and 84 indicators.
- > The domestic and foreign literature on sustainability was used as reference, and suggestions from experts and scholars were absorbed.
- > Through 4 meetings of Hsinchu City Sustainable Development and Climate Change Response Promotion Committee, 11 cross-bureau and cross-department work meetings, and 10 education and training activities focusing on sustainable development or climate change, Hsinchu City tracked the implementation status, adjusted the promotion measures in a rolling manner, and improved professional knowledge and skills, to gradually improve its sustainability policies.

STEP5

Special chapter on the highlights: Focusing on local characteristics and innovative actions

- > A special chapter on the highlights has been introduced to the third version of VLR, including cooperation with enterprises and academic units and actual cases of technological applications.
- > New chapters like “Net Zero Targets and Pathway” and “CSO Alliance” have been included to improve integrity and richness of this VLR.

STEP6

The third version of VLR of Hsinchu City is to be published in 2025.

Revision of Number of SDGs Indicators for VLRs

SDGs	V1	V2	V3	SDGs	V1	V2	V3
SDG1 No Poverty	0	2	2	SDG10 Reduce Inequalities	0	2	2
SDG2 Zero Hunger	0	4	4	SDG11 Sustainable Cities and Communities	7	22	22
SDG3 Good Health and Well-being	7	7	8	SDG12 Responsible Consumption and Production	5	4	4
SDG4 Quality Education	4	6	7	SDG13 Climate Action	4	5	5
SDG5 Gender Equality	0	3	2	SDG14 Life below Water	0	2	2
SDG6 Water and Sanitation	0	3	3	SDG15 Life on Land	0	3	2
SDG7 Affordable and Clean Energy	0	3	3	SDG16 Peace, Justice and Strong Institutions	0	2	2
SDG8 Decent Work and Economic Growth	3	9	9	SDG17 Partnerships for the Goals	0	3	3
SDG9 Industry, Innovation, and Infrastructure	5	4	4	Total	35	84	84



SUSTAINABLE DEVELOPMENT STRATEGY FRAMEWORK



When facing the global trends of sustainability and the challenges of climate change, Hsinchu City adheres to the innovative spirit of a technology city, and actively plans comprehensive sustainable strategies. Through cross-departmental integration and public-private collaboration, the city promotes smart governance, net-zero emissions, economic development, social inclusion and environmental sustainability, to shape a livable, resilient and forward-looking urban landscape; the city integrates the United Nations SDGs with its governance blueprint, and examine and gradually refine various policies and guidelines, so that every citizen can live and age in peace and feel at ease.

Hsinchu City Government's Sustainable Development Strategy Framework Chart

Vision

Secure Living Technology City for Eternal Happiness

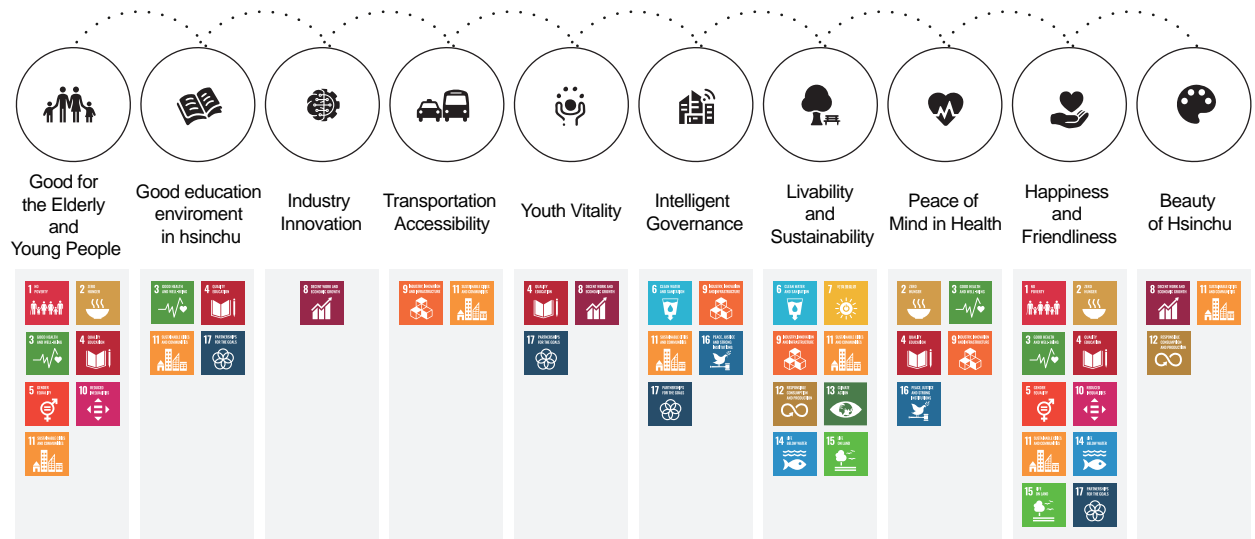
United Nations Sustainable Development Goals



Hsinchu City Five Core Values

- Hospitality
- Sustainability
- Creativity
- Intelligence
- Partnership

Ten Major Governance Strategies





1. Vision: Secure Living Technology City for Eternal Happiness

Hsinchu City, with a “hard-working and pragmatic” attitude, actively implements and improves people-oriented sustainability policies, including care for the elderly and children, improvement of education resources, bettering of the traffic environment, maintenance of environmental quality, and strengthening of industry competitiveness. The city is committed to realizing “all citizens’ affairs are the major concerns of the city government” and makes every effort to achieve the urban vision of “Secure Living Technology City for Eternal Happiness”.

2. Five Core Values

Hsinchu City has developed goals and action plans based on five core values of “Hospitality, Sustainability, Creativity, Intelligence, and Partnership”.

01 HOSPITALITY

To ensure that people of different ethnic groups, cultures, genders, ages, races, and statuses have equal opportunities, adequate nutrition, and fair access to government services. Hsinchu City is committed to protecting the poor and disadvantaged, strengthening the social security net system, eliminating discrimination, and realizing a harmonious society with gender equality, dignity, fairness, and inclusion.

02 SUSTAINABILITY

Protecting the natural environment and ecological diversity, avoiding animal and plant extinction crises, pursuing coexistence and co-prosperity between human beings and nature, focusing on air quality, water resources, and urban management, reducing waste generation through prevention, reduction, recycling, and reuse, building resilient infrastructure, and advocating low-carbon and green energy policies for the sustainable development of Hsinchu City.

03 CREATIVITY

Through diversification, innovative thinking, and technological research and development, Hsinchu City promotes the upgrading and transformation of industries, strengthens regional development, supports entrepreneurship, encourages micro-industries and small and medium-sized enterprises (SMEs) to increase their production capacity, promotes the development of local tourism industries, drives economic growth, eliminates poverty, and reduces the gap between the rich and the poor.

04 INTELLIGENCE

To provide universal access to the Internet, to ensure that there is no discrimination in education, to ensure fair and high-quality education, to eliminate inequalities in education, to promote lifelong learning, to promote a green economy and a sustainable mode of production, and to utilize science and technology to achieve the sustainable management and efficient use of natural resources.

05 PARTNERSHIP

Combining national, regional, corporate, school, and family partners to share knowledge, expertise, and technology, the government establishes a credible and inclusive system, expands public-private partnerships, promotes a peaceful and inclusive society, and achieves the mission of safeguarding the planet's sustainable development.

3. Ten Major Governance Strategies

Hsinchu City has adopted five core values as the foundation of city development and promotes ten major governance strategies (Good for the Elderly and Young People, Good Education Environment in Hsinchu, Industry Innovation, Transportation Accessibility, Youth Vitality, Intelligent Governance, Livability and Sustainability, Peace of Mind in Health, Happiness and Friendliness, and Beauty of Hsinchu). Each of these strategies can be linked to the sustainable development goals so that we can master the progress of the sustainability blueprint by 2030.



GOOD FOR THE ELDERLY AND YOUNG PEOPLE

Facing the changes in the population structure, Hsinchu City is committed to creating a fertility-supportive and age-friendly environment, and making citizens' life better with diverse measures which include: expand subsidies for fertility assistance and childbirth allowances and strengthen the services of parent-child centers and public childcare; increase subsidies for vaccinations and child development screenings; expand the cooperation with pharmacies where senior citizen cards can be used, increase nutrition subsidies for the elderly from low/moderate-low-income families, strengthen long-term care and dementia care services, and establish long-term care management centers; additionally, the city continues to organize diversified senior-friendly courses and creates an age-friendly environment, to ensure that every citizen can grow up and live a happy life in this city.



GOOD EDUCATION ENVIRONMENT IN HSINCHU

The optimization of the education environment and the improvement of resources are the key to building a high-quality learning space. Through continuous investment in campus renovation and careful evaluation of the school district division, Hsinchu City promotes the fair allocation of education resources and ensures the balanced development education in each region. In addition, the teacher-student ratio in public kindergartens is reduced to create a friendly learning environment. Also, special education classes and professional teachers are continually increased, to provide appropriate learning resources for each student. Besides, relevant welfare measures for teachers are adjusted synchronously to improve their teaching motivation and create a better teaching environment for teachers and students.



INDUSTRY INNOVATION

To promote industry development and economic prosperity, Hsinchu City actively promotes the agglomeration of the technology industry and the innovation of local featured industries, and enforces diversified policies like urban renewal and development. Meanwhile, through a localized SBIR program, the city strengthens the innovation capabilities of SMEs and promotes industrial upgrading and transformation; for business revitalization and tourism, we continue to promote the reconstruction of the old city business district and improve Hsinchu Harbor and market facilities; additionally, multiple job fairs have been held and service points for senior talents have been established, to offer more job opportunities and development space.



TRANSPORTATION ACCESSIBILITY

During the development of modern cities, unimpeded and safe traffic is an important indicator for improving citizens' life quality. A traffic improvement team was set up to promote the traffic improvement program and optimize the traffic bottlenecks and dangerous sections in urban areas, relying on measures like reorganizing of signal timing, intelligent traffic control, parking space construction, and installation of intelligent parking poles and intelligent electric vehicle charging piles. Additionally, the city actively improves the bus operating environment and waiting quality, and has launched the first fully electric pilot bus to improve citizen's willingness to travel and create a more convenient traffic environment.



YOUTH VITALITY

As the foundation of urban development, the youth will lead the city towards a brand-new future. To cultivate the youth's active participation in public affairs, expand their international visions and enhance their workplace competitiveness, facilities like the Hsinchu City Youth Affairs Committee and Hsinchu City Youth Development Center have been established. Additionally, through entrepreneurship assistance, rent subsidies, etc., we encourage young people to pursue their dreams bravely.



INTELLIGENT GOVERNANCE

To develop a smart city and enhance urban governance efficiency and innovative services, Hsinchu City has actively integrated intelligent technology into its municipal services and adopted innovative measures like intelligent parking piles, unattended intelligent recycling equipment, intelligent monitoring and air pollution prevention, etc.; additionally, we apply technological law-enforcing equipment, promote six-in-one intelligent monitoring, strengthen bans on traffic violations and noise, and improve air quality monitoring, thereby improving urban environment and governance efficiency and safeguarding the residential quality of citizens.



LIVABILITY AND SUSTAINABILITY

Livability and sustainability are the core development goals of modern cities. By implementing a low-carbon sustainability program, Hsinchu City has established an ESG matchmaking platform, promoted green transportation means, held low-carbon and plastics reduction activities, implemented environmental protection and ecological conservation, improved parks and sewerage projects, advanced green energy power generation and electricity-saving facilities, building greening and green transportation, encouraged resource recycling, and strengthening waste management. Besides, we also strengthen fire protection and public security policies, and reinforce education and training on disaster prevention as well as home fire early warning mechanisms, to ensure the living security of citizens.



PEACE OF MIND IN HEALTH

To enhance citizens' health, we continue to strengthen the prevention and control of various diseases, promote the prevention of drugs and frauds, sign the Declaration of Occupational Safety and Health, raise citizens' awareness of occupational safety, and ensure a safe and friendly work environment for citizens. Besides, we promote a food safety whistleblowing reward mechanism, to encourage the people and merchants to safeguard a food safety environment. Meanwhile, we strictly crack down fraud crimes, block drug circulation, confiscate illegal firearms, and strengthen the security protection network. Furthermore, by continually holding health-related competitions, we encourage the citizens to develop exercise habits and stay healthy. Meanwhile, we strengthen the verification of sports venues and major public facilities and make every effort to create a healthier and safer urban development.



HAPPINESS AND FRIENDLINESS

Hsinchu City pays continual attention to the needs of the disabled and economically underprivileged groups, leverages social resources through programs like care for the homeless people and "Love and Share Refrigerators", and takes effective actions to provide proper care for diversified ethnic groups; meanwhile, to realize the ideal of common prosperity and common good between humans and animals, we promote the certification of animal-friendly stores and the holding of animal-loving challenge activities, and adopt measures like addition of pedestrian bridges and improvement of sidewalks, to create an urban environment where humans and animals live in harmony. Additionally, Hsinchu actively holds mother tongue expos, Hakka cultural promotion and inheritance of Indigenous languages to deepen the recognition of local languages and ethnic cultures.



BEAUTY OF HSINCHU

To create a city with both modern aesthetics and cultural heritage, we actively promote the preservation of cultural heritage, revitalize historical buildings, and build communities, etc., to revive the history and culture of the city in the modern life. Additionally, diverse activities and promotional offers have been provided to stimulate the vitality of business districts. Meanwhile, by holding artistic and cultural activities like International Kite Festival, Windy City Arts Festival, city mini-travel and urban camping, we bring richer cultural experiences to the citizens, further improve the art atmosphere of the city, and build new urban land marks with historical value and tourist attractions, thus shaping a charming urban landscape.



4. CSO Alliance

In response to the challenges of global climate change and to actively implement Taiwan’s net-zero emissions by 2050, the Executive Yuan passed a resolution at its meeting in August 2024, to officially launch “Government Chief Sustainability Officer System”. It is a systematic mechanism intended to assist government agencies in accelerating the practices of net-zero emissions and sustainable development based on the experiences from enterprises that have appointed a Chief Sustainability Officer (CSO) and established sustainable development promotion units. The Government CSO Alliance is dedicated to uniting with the leading forces across Taiwan and jointly planning and promoting sustainable development strategies, for the purposes of:

- improving cross-departmental cooperation and communication as well as decision-making efficiency,
- strengthening the practicing of the vision of “Green Growth and Net Zero by 2050” and sustainability development capabilities, and
- deeply cultivating a sustainability culture and promoting dialogues in the civil society.

Five Major Tasks

- Enhancing the capability for sustainability governance
- Integrating the sustainability affairs of government agencies
- Promoting cultural changes and innovative thinking
- Strengthening the partnerships between public and private sectors
- Performing the statutory responsibilities specified in the Climate Change Response Act

CSO of Hsinchu City Government

The CSO of Hsinchu City Government is served by Secretary-General Chang Chih-Hsiang

During the global sustainable development, sustainability is not just a vision, but Taiwan’s ongoing endeavor that has been continuously practiced. The Hsinchu City Government closely follows international trends and actively responds to the UN SDGs. Through concrete policies and actions, the government strives to implement net-zero transition and sustainable governance. According to the policies of the central government, Hsinchu City has promoted energy transformation, proposed a pathway for net-zero emissions by 2050, and vigorously driven the use of electric and low-carbon vehicles, to establish a green transportation system. Additionally, as a technology city, Hsinchu City applies technologies like big data, Internet of Things (IoT) and AI to improve pollution monitoring, disaster early warning system and convenient services for the people, thereby improving the city’s operational efficiency and resilience.

Hsinchu City actively promotes business related to sustainable development. After the publishing of the first VLR in 2021, the city has been continually seeking advice from experts and scholars, along with cross-bureau and cross-departmental communications and education and training activities, etc. Now, the third VLR has been released, and a special chapter on the highlights exclusive to Hsinchu City has been included. It is hoped that a living environment of a secure living technology city can be created for the citizens through concrete actions.



5. Stakeholders

Adhering to the governance philosophy of “people-oriented and pragmatic progress”, Hsinchu City continuously listens to the voices from all sectors of society, actively responds to the diversified needs of citizens and society, and develops inclusive and fair policy directions by gathering the opinions and participation of stakeholders in each field.

Deepening of Local Participation Mechanisms Based on International Standards

When planning and promoting sustainability policies, Hsinchu City refers to AA1000 Stakeholder Engagement Standard (AA1000 SES) and implements five major principles, i.e., Dependency, Responsibility, Influence, Diversity of Perspectives, and Tension.

Establishment of Open Dialogue Mechanisms with Diverse Entities through Local Practice

- The public: Policy briefing sessions, public hearings, course lectures, 1999 hotline, promotional activities, etc.
- Public and private places: Regulatory briefing sessions, ESG forums, symposiums, etc.
- Academic institutions: USR program cooperation, campus tour activities, etc.

A Local Model of People-oriented and Sustainable Governance

We attach importance to the governance concepts of “Leaving No One Behind” and “Centering on the People” and consider citizens’ diverse needs and welfare guarantees with priority in terms of policy planning, system construction and concrete action plans, demonstrating the emphasis placed on the response to public opinion in local governance.





The public

- > Healthcare for women and children
- > Woman and family welfare services
- > Promoting the career development of the youth
- > Creating policy of "Hsinchu City's Grandparents' Happiness" Policy
- > Completing long-term care services
- > Giving Love Immediately and Helping the Disadvantaged
- > Community Empowerment: Love and Share Refrigerators
- > Community care and support
- > Setup of long-term care centers
- > Community colleges
- > Improvement of air and water quality
- > Addition of green spaces, plantings and other greening and beautification facilities
- > Green transportation means and people-oriented traffic
- > Mini-travel program
- > Maintenance of facilities of the 17-kilometer cycling track
- > Caring for foreigners' physical and mental health
- > Safeguarding foreigners' basic rights to work in Taiwan
- > Vocational training of new immigrants
- > Constructing Indigenous cultural facilities
- > Promoting the development of Indigenous industries

Public and private places

- > Safeguarding the employment rights and interests of people with disabilities
- > Assisting industries in innovation and upgrading
- > Air pollution control
- > Greenhouse gas reduction

Schools

- > Promoting multicultural education
- > Creating a digital new generation teaching environment

Police and fire departments

- > Organizing the social security net
- > Promoting fire prevention actions
- > Promoting a diverse CRP learning environment
- > Constructing a strong disaster prevention and relief system

Hospitals

- > Prevention and control of infectious diseases
- > Integrated mental health work
- > Strengthening preventive health care
- > Promoting healthy lifestyles



6. Youth Affairs Committee

Youth are the hope for the future, and more importantly, a significant driver for urban innovation and sustainable development. To strengthen the youth's public participation and communication mechanisms, cultivate young talents, enhance the well-being of the youth, and promote social development, the Hsinchu City Youth Affairs Committee has been specifically established with 33-35 members, and youth representatives aged from 16 to 40 have been recruited, so that the diverse opinions and needs of the youth can be conveyed to the city government.

Working groups have been established under the committee according to different business categories, and group meetings are convened irregularly, to study and discuss issues concerned by the youth such as employment, entrepreneurship, housing and childcare. In January 2025, the Youth Development Center was established as a dedicated youth agency, to expand and promote the core business of youth development and promote the youth's public participation so that every young friend can live happily and settle down in Hsinchu City, realize self-development and contribute to society.

- Public participation group: Providing a platform for the youth to offer suggestions, encouraging youth volunteer services, and advocating the youth's public participation.
- Social welfare group: Assisting the youth in raising children and taking care of the elderly and improving the social care mechanism.
- Innovation and entrepreneurship group: Bettering the youth's employment environment, caring for their career development, guiding their innovation and entrepreneurship capabilities, and promoting the economic development of the city.
- Cultural education group: Improving the youth's cultural and creative capabilities and promoting the development of local creation industries.
- Livability and sustainability group: Creating a city where the youth can settle down and live happily and promoting cross-generational sustainable development.



PROMOTION RESULTS



- Review of SDGs and Results of Policy Promotion
- Net Zero Targets and Pathway
- Promotion Targets Resolved by the CSO Alliance and Achievements





Review of SDGs and Results of Policy Promotion



SDG 01



SDG01 No Poverty
End poverty in all its forms everywhere.

1. Creating a Policy of “Hsinchu City’s Grandparents’ Happiness”

Most elders aged 65 or above have already retired, and healthy aging can be achieved through their continuous social contacts and interactions. Therefore, it has been expressly specified in the Senior Citizens Welfare Act that traffic-friendly and social participation measures must be provided for the elderly, to help them avoid falling into poverty or becoming vulnerable due to isolation or insufficient resources. Since 2022, the service items of the Senior Citizen Card of Hsinchu City have been continuously increased. As a result, the elderly may travel around by taking public transportation (bus, passenger transport, Taiwan Railway, etc.) and taxi. Moreover, the functions of the Senior Citizen Card have been expanded to cover consumption at farmers’ associations and pharmacies, which promotes the elderly to go out. In 2024, the Senior Citizen Card served 2.6 million person-times; additionally, multiple age-friendly policies have been promoted, including:

- Improving long-term care services and building an age-friendly city: In 2025, a second-level institution of “Hsinchu City Long-term Care Management Center” has been established to provide “Four Subsidized Long-term Care Services”, including care and professional services, transportation service, assistive devices and home barrier-free environment improvement services, and respite care. Therefore, diverse needs for long-term care have been fulfilled, and more convenient application services can be provided through a single window. 5,130 people have applied for this service program accumulatively.
- Dementia care: Through the integration of long-term care resources, 4 dementia co-care centers served a total of 1,290 dementia cases in 2024. 3 new care centers have been increased in 2025, to improve the service capacity.
- Elderly care and welfare measures: 600 points are subsidized for the Senior Citizen Card every month, and the number of pharmacies where the card can be used has been increased to 52, caring about the nutritional needs of vulnerable elders.
- Senior learning: In 2024, “Self-healing Promoter Training” and “Silver-haired Happy Life Curatorial Workshop” were held, and community care centers and Eating-with-Friends Centers were established, to encourage the elderly to go out and establish social connections. 86 Eating-with-Friends Centers were established accumulatively, and 252,480 person-times were served; besides, the Evergreen Academy has opened 155 classes in 2025, benefiting 5,442 people.



Freeway Scheduled Bus Service / Farmers' Associations





2. Giving Love Immediately and Helping the Disadvantaged - Poverty Eradication Account



Financial Course Seminar / Parent-Child Course Seminar

In modern society, with the changes in families and overall structures, the changes in the forms of unemployment and poverty as well as the widening gap between the rich and the poor are increasingly, directly impacting the economic security of families. We continue to review and reflect upon the social assistance strategies in the face of poverty, and actively make action plans based on the concept of “poverty eradication and self-reliance”.

Hsinchu City is promoting two poverty eradication account programs, namely, children development account and happiness deposits. Through “fixed savings” and “course seminars”, people are expected to improve their awareness, effectively accumulate assets, and apply savings for the purpose of education or employment preparation, thereby increasing opportunities for their future development and transformation. The number of poverty eradication accounts reached 440 in 2024, and this number is growing stably year by year.

3. Strengthening the Social Security Net Program

Hsinchu City has constructed a dense security net in line with the central government’s promotion of “Strengthening the Social Security Net Program” to support the people in need of help and connect the friendly resources in the region, so that those in need can receive proper care.

The city has implemented the “Subsidy Program of Community Support Services for Children and Families (Family Guarding Minisatellites)” and initiatively cared for disadvantaged school children and families, to stabilize family functions. The following actions have been taken: childcare service program for disadvantaged families (after-school care centers), family care visits or counseling, life guidance and leisure activities during winter and summer vacations, youth counseling groups and activities, parenting education or parent-child activities. Furthermore, through the



Care for Disadvantaged Children and Families

utilization of local community resources and groups, we have constructed a social security network “centering on families and based on communities”; by 2024, there were a total of 6 units serving as minisatellite partners, and they jointly launched 19 service programs, with the number of participants rendering services reaching 3,942 person-times.



Care management specialists have provided professional care services for more than 7,000 families.



SDG 02



SDG02 Zero Hunger

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

1. Giving Love Immediately and Helping the Disadvantaged-Meal Services

For disadvantaged families with urgent needs, the District Bureau or Department, schools or social workers will assess and assist them in applying for meal vouchers to redeem the vouchers at the nearest cooperative merchants, including convenient stores, breakfast shops, and fresh product supermarkets, to solve the problem of emergency meals and maintain a basic living. Specifically, the meal vouchers were provided to 5,140 person-times in 2022, 7,240 person-times in 2023, and 6,000 person-times in 2024, respectively.



Redemption of Meal Vouchers

2. Promoting Elderly Care in the Community and Establishing Community Care and Support Centers

The community care and support centers adhere to the basic spirits of long-term care and community development, and a community autonomous operation model has been established to encourage the social participation of the elderly. Furthermore, community-oriented preventive care has been provided for the elderly, and relevant welfare resources have been utilized to provide diverse services like care visits, phone greetings, consultation and referral services, catering services, health promotion, and social participation, thereby creating a sustainable and healthy community environment.

Since 2022, community care and support centers have been continuously established in Hsinchu City. To be specific, the number of such centers was increased from 70 in 2022 to 78 in 2023 and 86 in 2024, respectively. As a result, the coverage of care services for the elderly has been gradually expanded. At the same time, by providing diverse courses, we cultivate seed teachers to guide and enhance the participation of community volunteers and make these centers important places for connecting neighborhood emotions and promoting healthy aging, thus jointly creating a warm and inclusive social environment and practicing the vision of sustainable social development.



Dongshan Village / Zhong'ai Village



3. Community Empowerment: Love and Share Refrigerators

Hsinchu City advocates and responds to the concept of “cherishing, continuing and sharing food”, and actively expands the “Love and Share Refrigerators” services. In 2024, the shared quantity of food in community refrigerators exceeded 30,000kg in 2024, benefiting over 100,000 person-times. As a result, the value of every bite of food was maximized; in 2025, cooperative units including fruit and vegetable markets and RT-Mart were permitted to apply for site establishments for the first time. A total of 6 new sites were established in Shilin District, making the city’s resource allocation more extensive and diversified.

At the same time, through community empowerment and volunteer assistance, residual food has been effectively distributed to the disadvantaged and the elderly, successfully promoting the reutilization of food and expanding the social mutual assistance network. The public-private cooperation model has not only reduced the waste of food, but also improved the friendly image of the city and the energy of sustainable governance, thereby building a happy, sustainable society that is “friendly, mutually helpful and food-sustainable”.



North District Jiushe Community Development Association / North District Minfu Community Development Association

4. Promoting Food and Agriculture Education

Hsinchu City promoted food and agriculture educational experience activities for primary school students, and arranged them to visit stalls that sell vegetables, fruits, fresh meat and other products in the market personally. Furthermore, the management cadres of the large market served as lecturers to lead students to learn about various agricultural and fishery products in the market and carry out the education concept of “connecting the dining table with the place of origin”.

Additionally, “Hsinchu City Food and Agriculture Education Promotion Committee” was established in June 2024, to comprehensively promote the food and agriculture education program. This program aims to enable learners to understand the origin of food from the place of origin to the dining table through the process of food production, processing and cooking by means of hands-on practices, so that they may develop healthy eating habits and respect food producers and the environment.



Food and Agriculture Educational Experience for Students

5. Protecting Agriculture with Friendly and Safe Farming and Safeguarding Health with Strengthened Epidemic Prevention

Hsinchu City has actively promoted the policy of “Friendly Farming and Safe Agriculture” since 2023. Currently, about 25 agricultural households are engaged in friendly farming and organic agriculture, with their business covering crops like rice, vegetables and fruits. All of them have passed the review and recognition of friendly farming certification groups, or obtained organic label certifications, demonstrating the “small but beautiful” value of agriculture; by 2024, about 4 hectares of farmland in the city had passed organic verification, and more than 16 hectares had been registered for environment-friendly farming. Therefore, the total area approached 20 hectares, showcasing the specific progress of local agriculture towards environmental protection and sustainability.

In response to the needs for food safety and epidemic prevention, Hsinchu City has coordinated the policies of the Ministry of Agriculture and the Animal and Plant Health Inspection Agency to establish a plant doctor system and an integrated plant disease and insect pest administration mechanism. We have held multiple demonstration lectures and fixed-point diagnosis and treatment guidance activities to assist farmers in using pesticides safely and adopting biological control technologies, reduce chemical inputs, and synchronously improve the quality and stable output of agricultural products.

With respect to health and epidemic prevention, we have strengthened the monitoring mechanism for agricultural product transportation and market circulation, and improved the public awareness of purchasing safe local agricultural products through food and agriculture education and nutrition promotion activities, thereby further consolidating the food safety defense line and the public health protection network.

Friendly Plantation: Strawberries / Conversion (Contract) Farming during Fallow Period of Rice





SDG 03



SDG03 Good Health and Well-being
Ensure healthy lives and promote well-being for all at all ages.

1. Promoting Children’s Health and Safety

To create a friendly and safe growth environment for children, Hsinchu City has been actively promoting the “Children Accident Injury Prevention Publicity Program” and planning diversified publicity strategies and educational activities on issues like the use of infant car safety seats, sleep safety, burn and scald prevention, and accidental falls (drops). Since 2024, three children’s safety seminars have been held for kindergarten principals, teachers and childcare workers in Hsinchu City, and 1 parenting lecture for community residents has also been organized. Furthermore, 36 story picture book publicity activities have been conducted at relevant kindergartens and parent-child centers, to deepening the concept of children’s safety in daily education.

At the same time, several large publicity activities were held. Centering on “children’s health and safety”, these activities extensively promoted important issues like accident injury prevention, growth and development, oral hygiene, and vision care. As a result, the recognition rate among parents and caregivers reached 90%. Through systematic publicity and practical application, we continue to improve the public’s risk awareness and responding capabilities, thereby further strengthening the public attention and support for children’s safety issues and creating a living environment where children can grow up healthily and securely.



EDM for Publicity of Prevention of Children’s Accident Injuries /Activity of Guarding Children’s Health and Safety

2. Human Papillomavirus (HPV) Vaccination Program

To reduce the incident and mortality of diseases related to HPV, Hsinchu City has been promoting the free HPV vaccination services for junior high school girls and synchronously strengthening prevention and control work since December 2018. By 2024, the vaccination rate had reached 90.02%, and the health threats imposed on citizens due to HPV infection have been effectively reduced. Since 2025, Taiwan has begun to promote the policy of HPV vaccination for all 8th-grade students, making it the first place in East Asia to implement a comprehensive vaccination policy for both males and females; Hsinchu City will also implement this policy since September 2025, to safeguard the citizens’ health with all its strength.



Free HPV Vaccination on Campus

3. Integrated Mental Health Work Program

Hsinchu City has combined efforts with various units to strengthen the promotion of suicide prevention work and continually deepened the work on suicide prevention and mental health work. Through the Mental Health Publicity Center, 1925 Peace of Mind Line, and Hotline for Male Care (0800-013-999), we have implemented the concept of “Suicide Gatekeeper”, and discovered, cared for and referred for assistance for those with suicidal thoughts or behaviors as early as possible during the service process, thereby jointly safeguarding the citizen’s mental health.

In 2024, we held a total of 120 activities related to mental health for all age groups over 15 years old, including mental health lectures for teenagers, suicide prevention education and training by guidance teachers, workplace mental health courses, and lectures on the elders’ mental health and suicide prevention. Besides, we promoted the Mood Thermometer Scale in 5 universities, and the student counseling and consultation centers have also assisted in the follow-up care visits to students with suicidal or self-harming behaviors on campus, as well as the connection of medical resources for them.

Additionally, we provide the public with free psychological counseling services 4 times a year. In 2024, we served more than 1,400 person-times, and provided 3 free counseling sessions since August 2024 in line with the “Mental Health Support Program for the Youth and Middle-aged Generation Aged 15-45” of the Ministry of Health and Welfare. At the same time, we push forward the workplace mental health promotion, make efforts to prevent suicides based on the hospital resources, carry out psychological assessments for inpatients, patients with cancer and those who are receiving hemodialysis, and make referrals to psychosomatic departments as needed.



Publicity Activity Poster / Psychological Counseling

For the elderly population, we have cooperated with 5 hospitals to promote screening for geriatric depression for nearly 2,700 person-times, and assisted in referrals to relevant resources. At the same time, 7 publicity sessions on suicide gatekeeper and suicide reporting have been held for personnel from long-term care facilities, to ensure that people in all age groups can receive appropriate, accessible and continual mental health support and care services from campuses, workplaces and communities to the elderly population.

4. Comprehensive Cancer Prevention Promotion Program

Hsinchu City promotes a cancer screening service program and has established local cancer screening stations. Lesions can be detected and treated at an early stage through screening, to reduce mortality and lower the threats of cancer to the life and health of the people. Since 2025, we have comprehensively promoted the free screening of 6 cancers (cervical cancer, breast cancer, oral cancer, colorectal cancer, lung cancer and gastric cancer). Specifically, we have joined hands with 140 medical institutions, to extend our screening services to communities and workplaces. It is estimated that 30,000 person-times can be served annually.



Mammography / Cancer Screening Services



5. Routine Vaccination Services

Currently, there are a total of 9 types and 19 doses of routine vaccines provided in Taiwan from birth to preschool age, including Hepatitis B vaccine, 5-in-1 vaccine (diphtheria, tetanus, acellular pertussis, Hemophilus influenzae type b and inactivated polio), 4-in-1 vaccine (diphtheria, tetanus, acellular pertussis and inactivated polio), 13-valent pneumococcal vaccine, BCG vaccine, varicella vaccine, Measles, Mumps and Rubella (MMR), Japanese encephalitis live vaccine and Hepatitis A vaccine. To ensure the immune protection of infants, Hsinchu City continues to implement the Routine Vaccination Service Program. In 2024, the routine vaccination rate reached 97.66%.



Routine Vaccination for Infants

6. Constructing Indigenous Cultural Facilities and Promoting the Development of Indigenous Industries

To take care of Indigenous elders and continually promote the operation of the Indigenous cultural health stations, two culture and health stations established in Dingpu and Naluwan provide the elderly with simple physiological measurements, phone greetings, care visits, courses on delaying disability, meal provision, eating-with-friends activities, and other relevant services, benefiting 63 senior citizens. In 2024, they provided physiological measurement services for 8,753 person-times, phone greetings for 3,397 person-times, care visits for 1,757 person-times, and eating-with-friends services for 8,768 person-times, and held a total of 182 courses on delaying disability. By providing long-term care services with cultural connotations for Indigenous elders, we aim to delay their disability, reduce the time of being bedridden, and lowering the medical and long-term care burdens on their families.



Cultural Course of Naluwan Culture and Health Station-Basket Weaving / Health Promotion Activity of Dingpu Culture and Health Station-Health Lecture

7. Improving Long-term Care Services and Implementing Aging in the Community

There are approximately 70,000 elderly people aged 65 and above in Hsinchu City, among whom about 14,000 need long-term care services. To satisfy the elders' needs and provide care services, we have established 12 class-A service centers, 143 class-B centers, and 53 class-C centers as of June 2025. Besides, 20 residential facilities have been set up in the city, capable of providing a total of 1,720 beds for residential care services. Besides, caregiving specialists initiatively evaluate needs on the site and match them with corresponding services. They have assisted 7,000 people in successfully acquiring long-term care resources. Meanwhile, we provide eligible people with subsidies for long-term care service fees; through the popularization of the local care system, the goal of making long-term care services "visible, accessible and usable" has been realized.



Supportive Services for Family Caregivers



SDG 04



SDG04 Quality Education

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

1. Promoting Multicultural Education and Supporting Student Families-Reducing the Illiteracy Rate

According to the statistical table of the illiteracy rate by educational attainment for the population aged 15 and above in each county and city in 2024 as released by the Ministry of the Interior, the illiteracy rate of Hsinchu City was 0.39% which complied with the evaluation item 1-3: it has dropped below the national average (inclusive) of the previous year, or the annual decline range of the illiteracy rate is higher than the national average decline range, with adult basic education workshops continually provided.

In 2024, the Adult Basic Education Program was continually implemented in East District, North District, and Siangshan District. All citizens of Hsinchu (including their foreign spouses) who are 15 years old or above and are illiterate, or do not have a primary school education background can participate in the “Adult Basic Education Class” or “Special Class for Literacy of Foreign Spouses” for free. Furthermore, we comprehensive publicize that the graduates should continue their lifelong learning, thereby effectively reducing the illiteracy rate of the population aged 15 and above in the city.



Adult Education Class / Closing Ceremony of Adult Education Class

2. Promoting Multicultural Education and Supporting Student Families-Increasing the Kindergarten Enrollment Rate

Hsinchu City has managed to increase the kindergarten enrollment rate of 5-year-old children by providing subsidies for public kindergarten enrollment, extending long-term care services, and enhancing the capacity of public and quasi-public education and childcare services.

- In 2024 and during the summer vacation, the ratio of extended long-term care services provided by the public education and childcare service institutions reached 90%.
- In 2024, the ratio of public and quasi-public education and childcare service institutions reached 54.2%.
- In 2024, the enrollment rate of 5-year-old children in kindergartens reached 94.18%.



CRC Parent-Child Inclusive Publicity Activity



3. Creating a Digital New Generation Teaching Environment to Cultivate Learning Mobility

In Hsinchu City, the number of teachers who have completed the digital learning at the digital learning workshops for elementary and secondary school teachers (digital learning workshops A1 and A2) reached 3,872, with an achievement rate of 106.7%. The number of teachers who have passed A3 digital literacy study reached 2,844, with an achievement rate of 78.4%. For the iPad basic and advantaged studies, schools in the city achieved 104.3% for the basic level and 103.9% for the advanced level, respectively. The number of people who have passed the assessment of both the basic and advanced levels reached 3,444, with an achievement rate of 94.9%.

Statistics indicated that 46 public elementary and secondary schools held a total of 102 open observation and discussion classes on digital teaching in 2024. Through the adoption of the “Four Learning” method (students’ self-learning, group collaborative learning, inter-group mutual learning and teaching-guided learning) in class and in combination with the application of mobile devices, students gained a profound understanding of the learning themes in the processes of exploration, cooperation and creation, and cultivated their innovative thinking. The digital devices were fully integrated in class, reflecting the development trends of digital teaching.



Digital New Generation Teaching Environment

4. Diversity of Community Universities in Promoting Public Engagement

Green Pine Community College, Hsin-Chu Community College and Science City Community University have been established in Hsinchu City, to continually promote and provide citizens with lifelong learning courses, thereby improving the public’s humanistic literacy and life competencies and nurturing community development talents and modern social citizens.



Green Pine Community College

5. Upgrading the Operation of Cultural Venues and Enhancing Arts and Cultural Life and Education-Expanding Public Participation

Taking “Living Museum” as the concept of urban cultural development, through enhancing the professionalism, publicity, and diversity of the Hsinchu City Museum cluster, organizing multi-themed exhibitions, and linking up the venues for marketing and promotion, Hsinchu City aims to increase the participation rate of the public in the museums, so that both new and old residents can feel the cultural heritage of their localities, and participate in the building of Hsinchu City’s cultural life together. In 2024, the number of museum visitors exceeded 330,000 person-times.



Black Bat Squadron Memorial Hall / Students Visiting the Black Bat Squadron Memorial Hall /
Students Visiting the Aqueduct Museum of Hsinchu City



6. Upgrading the Operation of Cultural Venues and Enhancing Arts and Cultural Life and Education-Holding Various Exhibitions

Hsinchu City has a profound cultural heritage and precious cultural assets. Diverse and rich art and cultural exhibitions have been planned and organized, not only presenting the characteristics of the local art and cultural development, but also promoting artistic exchanges, attracting more people to participate, and further enhancing the artistic charm of the city. The exhibitions cover various fields such as contemporary art, traditional handicrafts and digital innovation, thereby building a dialogue platform for art creators and audiences. By 2024, the city organized an accumulated number of 67 thematic exhibitions and open call exhibitions. We will continue to promote the development of arts and culture of the city, demonstrate cultural diversity, and make it a more attractive art and cultural city.



Opening of the Exhibition "Touching: Material-Makers and Their Worlds" at Hsinchu City Art Gallery

7. Enhancing the Reading Environment and the Reading Ability of the Public

Hsinchu City plans reading promotion activities for people of different ethnic groups, age groups, occupations, and identities. The contents are designed to incorporate issues like parent-child reading, lifelong education, career exploration and the aesthetics of life, and share quality book recommendations to realize reading promotion in daily life. In 2024, 925 activities were organized with nearly 390,000 person-times participating.



Thematic Book Exhibition on the World Book Day / Grassland Story Festival

Since 2022, Hsinchu City has held more than 50 campus tour activities, with an accumulative number of over 3,500 person-times participating. Primary schools and kindergartens have been visited, and anti-corruption volunteer teams that have received professional training have been invited to guide students to understand the value of integrity and develop a concept of anti-corruption through warm and vivid story-telling. The generative AI technology has been applied in the newly created Snake and the Test of Integrity to transform the abstract concept of “Integrity” into an easy-to-understand situational story, thereby guiding children to reflect on their moral choices in daily life.



The Fun of Reading Anti-corruption Picture Book-Campus Tour Activity

8. Creating a Friendly Education Environment

To improve the barrier-free campus environment of elementary and secondary schools in Hsinchu City, we completed an inventory of 46 municipal elementary and secondary schools in 2024, and joined experts and scholars to inspect indoors and outdoors activity places, ramps, handrails, entrances and exits, and other relevant facilities, with a completion rate of 100%. Additionally, we actively create high-quality learning environments. In 2024, a total amount of NT\$ 41.54 million was invested in the installation of new air conditioners in large assembly places of 11 schools. In 2025, a total planned budget of over NT\$ 60.29 million has been made to improve the teaching space of 18 schools and the replace the old air conditioners in large assembly places of 14 schools.



Replacement of Old Air Conditioners in the Auditorium and Partial Power Improvement / Completion of the Installation of Air Conditioners in the Activity Center of Dingpu Elementary School



SDG 05



SDG05 Gender Equality

Achieve gender equality and empower all women and girls.

1. Women and Family Welfare Services

Hsinchu City promotes women's business and gender equality measures, holds Women's Day, Mother's Day and Taiwan Girls' Day, and organizes various activities and exhibitions on women's rights and gender equality, and enforces relevant policies. In 2024, the number of people receiving women's welfare services approached 75,000, with a participation rate of 38.53%.

Additionally, the Women's Hall in this city is a multi-functional activity space tailored to the needs of women. In addition to legal consultation and psychological counseling services, we have also planned diverse supportive and growth-oriented courses, assisting women in taking a break, recharging and achieving self-growth. The Women's Hall is also an important and iconic venue for holding press conferences on welfare policies as well as seminars and meetings for women's groups. Since its establishment in 2015 until 2024, the accumulated number of visitors entering the hall reached 180,000 person-times. In 2024, the Women's Hall provided solution services for 3,200 person-times.



Series Activities on Taiwan Girls' Day / Publicity Activity on Women's Welfare and Gender Equality / Activities at the Women's Hall



2. Promoting Gender-Friendly Toilets

Hsinchu City actively promotes gender-friendly toilets. As of May 2025, there were 27 gender-friendly toilets in the city, to fulfill the needs of people with different gender identities as well as transgender people. At the same time, we implement public toilet cleaning management, to ensure that these toilets reach the standards of “not wet, not dirty, and not odorous”.



Gender-friendly Toilets

3. Gender Equality and Diversified Friendly Policies

Hsinchu City has specifically implemented the principles and recommendations of the previous national reports regarding the Convention on the Elimination of All Forms of Discrimination Against Women (CEDAW), and included the concept of gender equality into the vocational training courses for the unemployed. Besides, it has taken provisional special measures according to the spirit of CEDAW and provided those in disadvantaged situations with free participation in training and weighted examinations, to help them enhance their economic independence and implement equal rights to employment; additionally, the city aims to build gender-friendly workplaces through the strengthening of training for personnel engaged in gender equality work, the promotion of prevention and control of gender-based violence, and the organizing of seminars and other relevant activities.

In 2025, the city has won the grade-A recognition in the 23rd evaluation of the “Golden Carnation Awards” by the Executive Yuan, demonstrating its specific achievements in the promotion of gender equality and diversified friendly policies.



Gender-friendly Workplace Seminar / Grade A in the 23rd Evaluation of “Golden Carnation Awards”



"Gather Love Together" 2025 Women's Day Event



SDG 06



SDG06 Clean Water and Sanitation

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

1. Protecting the Water Quality and Safety of Tap Water Supply

To ensure the safety of drinking water for citizens, we test a total of 10 test items for the first and second water treatment plants and Nanya Water Treatment Plant on a monthly basis, including chemical oxygen demand, heavy metals (copper, zinc, nickel, cadmium, lead, and chromium), ammonia nitrogen, coliform group and total colony count; besides, 8 tests involving heavy metals (copper, zinc, nickel, cadmium, lead, and chromium), coliform group and total colony count are conducted for 52 tap water pipelines. From 2022 to 2024, the pass rates reached 100%.



Water Quality Sampling at the Water Treatment Plant

2. Desilting and Dredging of City Sewers, Regional Drainage, Underground Ways, and Detention Basins

The city government continues to allocate budgets for dredging. Before the flood season, it has completed the project contracting and the desilting work of known silted sections, and maintained the unimpeded drainage of various drainage channels and storm sewers. Additionally, we have adopted measures like addition of new pumping units, to substantially improve the efficiency of waterlogging pumping and drainage and safeguard the quality of life and property safety of the public.

The desilting works cannot maintain the operational efficiency of water conservancy facilities like sewers and regional drainage and improve the disaster resistance capabilities, but also promote the improvement of the ecological environment and enhancing the resilience of these facilities, thereby achieving the goal of sustainable development.



Desilting Operation for Regional Drainage (Dongdapai)

3. Maintenance of Water Quality

To maintain the water quality, Hsinchu City promotes water pollution prevention and diverse water body quality protection measures. Through intelligent governance, we have set up 4 automatic continuous water quality monitoring stations at the river basins of Touqian River and Keya Creek, to master the characteristics and changing trends of water quality. Also, we have revised the water pollution control strategies in a rolling manner and established a water quality automatic monitoring website for the citizens to query, thereby improving the participation of all citizens in water quality monitoring and environmental education. To improve the water quality of water bodies, we have not only taken relevant control measures, but also established sewage interception stations, water quality purification facilities for Dongshi Dapai, Gangnan Canal water quality improvement facilities, artificial wetlands and site treatment facilities, to reduce the pollution load on the water bodies; in 2024, the monitoring results of Touqian River indicated that the river pollution indexes complied with “no (slight) pollution level”. The intensive monitoring items comply with the water quality standards of drinking water sources. In the future, we will continue to adopt pollution-reducing measures to realize sustainable utilization of water resources.

Additionally, to encourage the public participation in the protection of the water environment, we have also promoted the establishment of water environment patrol teams and adopted water bodies. By 2024, we established a total of 36 water environment patrol teams with 660 members. The patrol teams comprise diverse members from neighborhoods, communities, schools and enterprises. Therefore, we continue to promote the protection of water quality, deepen education on water quality protections, and increase the number of diverse participants.



Creek Cleaning Activity by the Patrol Team / Water Quality Automatic Continuous Monitoring System for Touqian River / Water Quality Monitoring by the Patrol Team

4. Intelligent Public Toilets Empowered by IoT

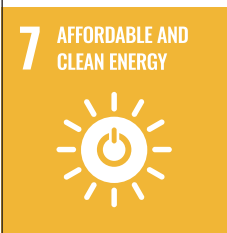
The hygiene of public toilets is not only a symbol of the city image, but also an indicator of the living standards of a country. Through the introduction of intelligent technology, the toilet using quality can be effectively improved and energy waste can be reduced. Hsinchu City has piloted IoT intelligent management in 4 public toilets at the funeral home and Dapingding Yongsheng Garden, with people flow, odor and toilet paper systems installed. When there are more users, cleaning staff can be immediately dispatched to clean the public toilets and replenish supplies, thus reducing the messiness of public toilets and the inconvenience for users, greatly improving the efficiency of cleaning and maintenance, and enhancing citizens' toilet using experiences. Therefore, the public toilets become the truly intelligent public toilets.



Intelligent Public Toilets Empowered by IoT-Tongtiantang, Yongsheng Garden



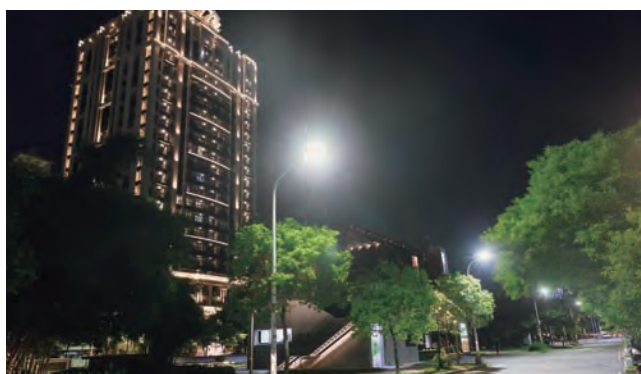
SDG 07



SDG07 Affordable and Clean Energy
Ensure access to affordable, reliable, sustainable, and modern energy for all.

1. Rate of Old Street Lamps Replaced with LED Street Lamps

Since 2023, we have gradually increased the funds for replacing old street lamps, from NT\$ 13 million to NT\$ 29 million. In addition to the replacement of traditional lamps, we also replaced old LED lamps with severe light decay, thereby considering both energy conservation and traffic safety. In 2023 and 2024, a total of 3,478 street lamps were replaced with LED lamps. As of April 2025, the rate of LED street lamps in Hsinchu City increased to 76.6%. We will continually make budgets to implement this program, to ensure that stable and sufficient lighting is provided in all sections, and a safer and more comfortable nighttime environment can be provided for the citizens.



Replacement of Old Street Lamps with LED Lamps



2. Bidding for Installation of Solar Power Generation System on Publicly Owned Premises

To improve the rate of energy independence and reduce carbon emissions, Hsinchu City has proactively organized “Bidding for Installation of Solar Power Generation System on Publicly Owned Premises”, and set up a solar power promotion team. In line with the central government’s sustainable energy policy, Hsinchu City, through public-private collaboration, inventoried its available premises for the installation of solar photovoltaic power generation systems and completed the bidding for the capacity of the systems accordingly to increase the city’s cumulative kWh of solar photovoltaic power generation equipment and cumulative capacity of the installations.

After Hsinchu City initiated the first phase of construction in 2018, three installation phases of solar power generation systems, including 39 municipal state high schools and elementary schools and 13 public agency premises, were completed by the end of 2022, with a total installed capacity of 12.62MW (megawatts). In 2022, the total power generation was 12.54 million kWh, carbon reduction was 6,383 metric tons, and the rental income from the bidding of public premises was NT\$ 10.86 million. In 2023, the city promoted the fourth phase of open bidding for installation of solar power generation system on publicly owned premises. This phase is expected to be completed at the end of 2025, to continually realize the tangible benefits of renewable energy promotion and the implementation and development of sustainable energy. The partners we have cooperated with for “Bidding for Installation of Solar Power Generation System on Publicly Owned Premises” are as follows:

- Phase 1: Formosa Sun Energy Corp. has built more than 300 solar power plants since its establishment, operating in more than 10 counties and cities throughout Taiwan, and the establishment of solar photovoltaic power generation systems is mainly based on the public sector and supplemented by private enterprises. The cumulative installed capacity of this company has exceeded 40MW, and it has completed the installation of solar photovoltaic power generation systems in 29 school buildings in Hsinchu City.
- Phase 2: Shengyang Energy Co., Ltd. is deeply engaged in the solar energy industry and continues to develop green energy technologies, and has completed the installation of solar photovoltaic power generation systems in 11 public buildings in Hsinchu City.
- Phase 3: United Renewable Energy Co., Ltd., prepared and founded by Neo Solar Power Energy Corp., Gintech Energy Corporation and Solartech Energy Corp., has a vertically integrated business model of systems, modules, batteries, and wafers in the overall supply chain of the green energy industry, and has completed the installation of solar photovoltaic power generation systems in 25 public buildings and school buildings in Hsinchu City.
- Phase 4: Promore Environment & Energy Co., Ltd. provides customers with integrated services including system planning and design, applications to government public departments, engineering construction management and design, construction, operation and maintenance of solar power plants, etc. It has planned to install solar photovoltaic power generation systems in 13 public buildings in Hsinchu City.



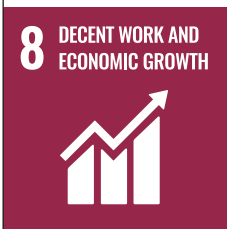
Solar Power Generation System on the Roof of the Stadium / Solar Power Generation System in Kanhai Park



Solar Power Generation System on the Roof of the Teaching Building of Zhu Guang Junior High School



SDG 08



SDG08 Decent Work and Economic Growth

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

1. Assisting Industries in Innovation and Upgrading to Promote Sound Economic Development

Since the promotion of the SBIR in 2013, Hsinchu City has gradually established a complete support system for entrepreneurship and R&D. Continually focusing on the “integration of central and local resources to build a one-stop entrepreneurship service platform” as the main axis, we encourage SMEs and young entrepreneurs within our jurisdiction to engage in innovative R&D and strengthen their support for the goal of net-zero emissions, in the hope that we can assist the enterprises in performing corporate social responsibility and moving towards a sustainable future.

In recent years, this program has given extra points to key industries like AI, IoT, cloud application, and design and manufacturing, as well as manufacturers registered in Siangshan District and specialized in machinery manufacturing in the written review stage. Additionally, in response to the changes in the international



Press Conference on the Initiation of Localized SBIR Program

economic and trade environment, preferential bonus points have been designed for applicant enterprises affected by U.S. tariffs in recent years, helping them turn crises into opportunities and accelerating the upgrading and transformation of their products and services.

2. Youth Employment Knowledge Promotion Activities

Hsinchu City promotes the youth career preparation program to guide young students to explore the future. The participants include junior and senior high school students and teenagers. Through diverse activities like campus lectures, enterprise visits, professional workshops, and workplace observation and experiences, we have provided the youth with opportunities to explore their potential and interests and enhance their adaptability in the workplace. Also, we assist young students in learning practical knowledge and skills for career planning, thereby further enhancing their employment competitiveness and developing confidence and strength to embrace the future challenges. From 2020 to 2024, the program was attended by nearly 7,000 person-times accumulatively.



Hsinchu Municipal Hsiang Shan High School-A Visit to Hold Mind Coffee / Hsinchu Kuang-Fu Senior High School-A Visit to Yulong Experience Center

3. Caring for Foreigners' Physical and Mental Health and Safeguarding Foreigners' Basic Rights to Work in Taiwan

To safeguard foreigners' basic rights to work in Taiwan and reduce various problems arising from foreigners, Hsinchu City provides counseling services for foreigners and organizes activities to promote relevant laws and regulations and leisure counseling for foreigners to help them adapt to work and promote labor harmony. In 2024, Hsinchu City received and settled disputes, provided telephone counseling services, paid visits to foreigners, and organized activities such as exit verification, caring and counseling, as well as selected and praised model workers. We provided foreigners-related services for 3,793 person-times.

At the same time, Hsinchu City routinely conducts inspections of legal hires, immigration notification inspections, and illegal hires. In 2024, we visited migrant workers for 5,154 person-times, and will continue to promote relevant measures in the future to promote stable employment for foreigners in Taiwan and make up for the lack of manpower in some industries.

Additionally, the "Transnational Labor Service Center" was inaugurated in Hsinchu City in December 2024. This center integrates legal consultation, social services, language support, employment and entrepreneurship guidance, and life assistance in the form of "dedicated personnel, dedicated policies, dedicated counters, and a single window", to provide migrant workers with a more comprehensive support environment and demonstrate the spirit of the policies of diversity, inclusion, happiness, and friendliness.



Briefing Session of Regulations on Migrant Workers / Inauguration Press Conference of the "Transnational Labor Service Center"

4. Promoting Vocational Training for New Immigrants and Adaptive Employment Counseling

To assist over 10,000 new immigrants in smoothly adapting to the local life in Hsinchu City, we have established "Service Center for New Immigrant Families" since 2019 to provide consulting, legal, parent-child, and welfare services, promote marital harmony in cross-cultural families, build a social resource network for new immigrant families, and assist them in developing healthy family relationships.

Additionally, we regularly organize “New Immigrant Life Adaptation Guidance Class”, “New Immigrant Empowerment Course” and “New Immigrant Skill Training Class” every year, and continue to promote new immigrant empowerment program, parent-child activities, and children’s empowerment programs. By doing so, we aim to assist new immigrant families in quickly blending in Taiwanese society and starting a happy new life. In 2024, we held Chinese and foreign clothing integration training class and catering integration training class, with a total of 43 person-times participating.



New Immigrant Skill Training-Chinese and Foreign Catering Integration Training Class

5. Protecting the Employment Rights and Interests of People with Disabilities, Encouraging Enterprises to Employ Them and Promoting Employment

Through case management, we assist people with disabilities to overcome various obstacles in terms of function, physiology, development, cognition and emotion. We help them return to the workplace, maintain their employability, or find relevant jobs that suit their abilities according to the functions, to promote their employment. In 2024, we promoted vocational rehabilitation services for people with disabilities in Hsinchu City, and assisted 105 person-times in achieving stable employment for more than three months. In the future, we will continue to promote long-term support and provide more people with disabilities to find jobs.



Sheltered Employees Checking Store Products / A Sheltered Employee Arranging the Products on the Shelves

6. Hotel Accommodation Enhancement Program

Hsinchu City actively promotes the strategy of integrating tourism with sustainability. Based on the central government's "Dedicated Zone for Quality Accommodation", we promote in-depth local tour itineraries and adopt multiple strategies including accommodation discount measures and environment-friendly hotel certifications, to drive the tourist flow. In the first quarter of 2025, the occupancy rate of hotels in Hsinchu City reached 61.04%, ranking the second place in Taiwan. Additionally, in response to the international trend, we have been promoting a plastic-reducing action in hotels, and guiding operators to refrain from proactively providing disposable amenities and to set up refillable supplies instead. By 2025, five hotels have obtained the Green Mark. This action aims to attract independent travelers and business travelers who attach importance to sustainability and enhance their willingness to stay.



Hotel Industry Symposium and Training Workshop / Operators Refraining from Providing Disposable Amenities in Response to the Policy

7. Mini-Travel Program

Hsinchu City has created urban tourism brands like "Hsinchu Mountain, Lake and Sea" and "Literary Route" for mini-travelers. These travels interpret the urban landscape and lifestyle of the city, and travelers may visit classic scenic spots like Hsinchu City God Temple, Hsinchu Park, Glass Museum of Hsinchu City, Hsinchu Zoo, and Eighteen Peaks Mountain by walk, thus deeply experiencing the history, humanity, nature and culture of the unique windy city of Hsinchu. These mini-travel activities cannot only boost the vitality of the old urban area and extend the tourism value of cultural assets, but also enhance the cooperation among hotels, restaurants and local merchants.



Scenic Spot of the Eighteen Peaks Mountain

8. Expanding International Exchanges and Marketing Hsinchu City's Charm

Continuing to organize special festivals and arts events, such as the Children's Arts Festival and the Hsinchu Traditional Orchestra Festival, and inviting the public to participate in these festivals, we aim to realize cultural affirmation, showcase Hsinchu City's cultural charm, expand international exchanges, and strengthen marketing to enhance visibility and promote Hsinchu City's sales and marketing. We continue to collect Hsinchu City's arts and cultural events on the website of the National Arts and Cultural Activities Information System (<https://event.moc.gov.tw/>) of the Ministry of Culture. In 2024, statistics showed that the number of participants in these activities reached 5.8 million person-times.



National Arts and Cultural Activities
Information System



Performance by Ifkids Theatre at 2024 Windy City Arts Festival

9. Building Mental Health in the Workplace

To create a mental health environment in the friendly workplace, Hsinchu City held "Mobile Leadership Workshop". Middle and senior managers, human resources managers, factory nursing staff, and occupational safety personnel from enterprises in Hsinchu Science Park were invited to participate in the activity. Through hands-on practice and learning, the participants jointly discuss how to build psychologically safe, cooperative and highly resilient workplace teams. The course focused on two aspects, i.e., "workplace mental health" and "positive leadership", and an interactive training model featuring "half experience, half learning" was adopted. Multiple interdisciplinary professional lectures were invited to lecture the course with the contents covering themes like "building an inclusive workplace culture", "psychological safety of the team", "creating an agile and adaptable team", "forming an advantage circle of a high-efficiency team", and "workplace mental health and self-care".



Holding of the Mobile Leadership Workshop



SDG 09

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



SDG09 Industry, Innovation, and Infrastructure

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

1. Storm Sewer Construction

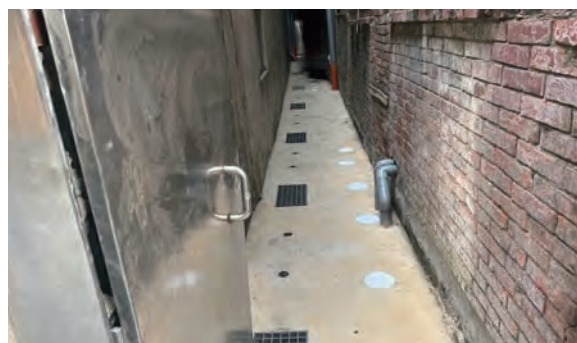
In response to climate change and the increased frequency of extreme rainfalls, Hsinchu City continues to promote the construction of storm sewers, with the objective to improve the urban flood control resilience. By 2024, the construction rate of storm sewers reached 71.78%. Among them, the B21 branch storm sewer project on Heping Road was initiated in 2024, and the first stage of this project was completed in May 2025, with the construction length of 157 meters and an investment of approximately NT\$ 23.6 million. After its completion, this project successfully drained the rainwater for the first time during a heavy rainfall, and there were no reports of waterlogging in the local area, showing the significant improvement of the drainage efficiency. The design of the second phase of this project was completed in July 2025, and it would be extended to the intersection of Heping Road and Zhuguang Road, to further build a complete drainage system. Besides, we continue to increase the construction rate of storm sewers year by year.



Inspection of the Drainage Improvement Project / Storm Sewer Project

2. Sewerage Construction

Since 2009, Hsinchu City has promoted the sewer connection project, to improve the quality of life. As of December 2024, the number of sewerage accounts reached 41,435, with the sewerage connection rate of 22.56%. It is planned that the sewerage connection rate will reach 28% in 2030. As a result, river pollution can be effectively reduced, and the citizens can enjoy clean and hygienic sources.



Sewerage Construction Project

3. Strengthening Information Services and Enhancing Citizen Services-Digital Application Service Platform

The digital application service platform integrates one-stop digital services including online case application, reservation for guided tours, venue rentals, monthly registration for public parking lots, and online payment. By 2024, there were a total of 250 items that could be fully applied for online. Additionally, the MyData service provided by the Department of Digital Development enables the public to authorize online independently and directly download the essential documents for service applications (e.g., household registration information, disability qualifications, etc.). Therefore, full-time online digital acceptance services can be provided.



Digital Application Platform



Home Page of the Digital Application Platform

4. Improving the Quality of Open Data Content to Enhance the Energy of Smart City Governance

To enable the acquisition of accurate, real-time and reusable open data sets, Hsinchu City aims to obtain the “Platinum Label” to ensure the quality of its open data sets, and it has comprehensively optimized the quality of the open data sets and regularly verified and confirmed their compliance with the quality specifications.



Open Data Platform

5. Establishing a Traffic Improvement Team to Achieve Smooth Traffic

Hsinchu City established a traffic improvement team in 2023 and convened monthly expert committee meetings. Through a five-ring traffic safety action plan, i.e., “Improvement of Dangerous Intersections”, “Safe and Smooth Road Program”, “Publicity of School Walkways and Traffic Safety”, “Road Engineering and Signal System Improvement”, and “Optimization of Public Transportation”, we have set up four assessment aspects, including “Pedestrian Safety”, “Vehicle Safety”, “Smooth Traffic” and “Convenient Public Transportation”, to gradually realize the goal of smooth traffic.

To quickly and effectively enforce laws against violations of specific targets at specific intersections, six “Targeted Technological Law Enforcement” sites were set up in October 2024, which effectively reduced violations with improvement rate higher than 50%. Additionally, we continue to promote the timely establishment and reorganization of the intelligent traffic control system, to ease the traffic flow. Also, we maintain traffic signals, enhance intersection lighting, and set up refuge islands, pedestrian waiting spaces at intersections and pedestrian crossing setbacks, to ensure the safety of both pedestrians and vehicles. Statistics showed that the number of deaths and injuries in road traffic accidents from January to June 2025 decreased significantly compared with the same period last year. Among them, the number of deaths dropped by 29%, and the number of injuries decreased by 7%, both showing an improving trend.



Targeted Technological Law Enforcement Equipment / Five Rings of Road Safety to Safeguard Pedestrians



SDG 10



SDG10 Reduced Inequalities
Reduce inequality within and among countries.

1. Constructing Indigenous Cultural Facilities and Promoting the Development of Indigenous Industries

To inherit the Indigenous cultures, including languages, arts, dances, ceremonies and life wisdom, Hsinchu City organized activities to promote Indigenous culture in 2024, including Indigenous Peoples' Day, Indigenous peoples' joint sacrificial ceremonies, the Indigenous Dream Craft Camp, Indigenous food and agriculture education, online Amis language certification guidance class, and charity lottery program-visits to Amis tribes, etc., in the hope that these activities will increase the sense of identity of the Indigenous peoples towards their own cultures and enable the public to gain a deeper understanding of the Indigenous cultures, to promote diversity and inclusion and create a happy and friendly living environment in Hsinchu City.



Joint Sacrificial Ceremony / Indigenous Peoples' Day / Food and Agriculture Education / Indigenous Dream Craft Camp-Libahak Association



2. Passing on Hakka Culture and Language and Shaping the Characteristics of Hakka in Hsinchu

In response to the diverse cultural needs and in consideration of the risk of the loss of the Hakka language, Hsinchu City has been actively promoting measures for the inheritance of Hakka language, e.g., promotion of deep-root services and family programs for Hakka language, execution of empowerment courses by Hakka heritage teachers, Hakka language community building workshops, Hakka language family observation and emulation workshops, etc.

Besides, through “Hakka Proficiency Certification Incentive Program”, residents registered in Hsinchu City may apply for incentive funds once they pass the tests organized by the Hakka Affairs Council. Citizens are encouraged to take examinations of different levels and improve their Hakka language proficiency.

By 2025, nearly 60 Hakka certification courses have been opened in Hsinchu City, and Hakka language certification incentive funds have been issued cumulatively to nearly 600 person-times. The number of applicants and those who passed the tests has increased significantly, and the number of Hakka learners continues to grow.



Hakka Cuisine-Special Exhibition on Artistic Creations from the Land to the Dining Table

3. Implementing Housing Justice and Publicizing House Tax 2.0

Hsinchu City took the lead in passing Autonomous Regulation on Hsinchu City House Tax Collection Rate in July 2024 through three readings by the city council. It helps citizens respond to the new housing tax differential rate 2.0 system early and protect their rights and interests. We have actively held 150 publicity, lecture and study symposiums and made nearly 180 media reports. Also, a “Dedicated Zone for House Tax 2.0” has been set up on the website of the tax bureau, and relevant regulations, promotional videos, Q&A and guides for dummies are provided to strengthen the publicity; additionally, we have actively sent more than 8,000 guidance notices to those who own multiple houses, guiding them to apply for lower tax rates by renting out their properties and thus relieve their tax burdens.



Promotional Video for House Tax 2.0



Interpreting Hakka food culture with art to promote the development and inheritance of Hakka culture



SDG 11

11 SUSTAINABLE CITIES AND COMMUNITIES



SDG11 Sustainable Cities and Communities

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

1. Friendly City with Residential Rental Subsidy and Social Housing Tenancy Management

To provide reasonable and appropriate housing protection for renters and reduce their burden, we have adhered to the principles of “expanding care, simplifying administration, and facilitating people’s access to public service” by providing online application channels and relaxing the target groups. All renters aged above 18 and complying with the required conditions may apply for rental subsidies. Additionally, Hsinchu City is committed to taking care of youth registered and renting houses in the city. In 2025, we have launched a “Project Plan for Expanding Rental Subsidies” to provide additional subsidies for single young people who have just entered society.

To encourage landlords to cooperate with renters’ application for rental subsidies, Hsinchu City also provides relevant rental tax incentives. If a landlord rents out his/her self-owned residential property to a renter qualified for rental subsidy, and is thus recognized as a “public welfare lessor”, he/she may enjoy a



Simplified Application Conditions for House Renting and Relaxation of Target Groups

monthly tax exemption for rental income of NT\$ 15,000, and the tax rate for self-occupied residences will apply to both the house tax and land value tax, thereby realizing a win-win situation for the landlords and tenants and enabling them to share the benefits of the policy.

新竹市青年租金加碼補貼6,000元

！記得要下載申請書！

加碼補貼對象及條件

- ① 符合「三百億元中央擴大租金補貼專案計畫」基本補貼標準第三級核定戶
(家庭成員1人且未滿40歲,且未具有經濟或社會弱勢身分者)
- ② 設籍並租屋在本市的單身青年

臨櫃申請請攜帶

- ① 申請書 ② 戶口名簿影本或戶籍謄本正本
- ③ 租賃契約影本 ④ 112至113年度「三百億元中央擴大租金補貼專案計畫」核定函

申請日期 | 112年9月1日 ▶ 113年12月31日 諮詢專線 | 03-528-5160

Additional Rental Subsidies for Young People



We have been promoting “Hsinchu City Social Housing Tenancy Management” services, to assist people with housing rental demand to rent apartments in the rental market and encourage landlords to release vacant houses, thereby reducing the financial burden on the local government for building new social housing. Besides, we provide landlords with subsidies for easy rent collection and tax exemptions, as well as grant subsidies for renovations, contract notarization, home security insurance, etc.

Additionally, to enable the elderly or people with disabilities to live in suitable residential spaces, Hsinchu City has actively joined hands with the central government to promote the Social Housing Tenancy Management 4.0 Elderly Relocation Program, which includes the service of “Relaxation of Conditions for the Relocation of the Elderly across Counties and Cities”. We encourage the elderly to rent out their own houses to join the program and move to elevator-equipped buildings or low-rise apartments. Their original houses that lack barrier-free facilities can be rented out to tenants in need.



Young People Assisting the Elderly in Moving to a Suitable Residence

2. Subsidizing the Replacement of Old Scooters with Electric Scooters

To advocate energy saving and carbon reduction and to increase the proportion of green transportation to reduce the amount of carbon emissions from transportation and achieve the goal of net zero carbon emissions by 2050, Hsinchu City has continued to provide additional subsidies for the replacement of old scooters with electric ones in recent years, to encourage the public to accelerate the phasing out of old fuel-operated scooters and promote the use of green transportation, thereby reducing the air pollutants and protecting air quality; statistics showed that there were nearly 17,000 electric scooters registered in Hsinchu City as of June 2025, accounting for 5.7% of the total number of scooters and ranking the second place among counties and cities other than the six special municipalities.



Press Conference on the Replacement of Old Scooters with Electric Ones

3. Creating a Friendly Environment for the Use of Electric Vehicles

To promote green energy transportation and create a friendly environment for the use of electric vehicles, Hsinchu City continues to improve the parking and charging facilities for electric vehicles in the public parking lots. As of 2025, there are 7,206 parking spaces in the public parking lots across the city, and 150 dedicated parking spaces for electric vehicles have been set up, which meets the statutory standard that the number of parking spaces dedicated to electric vehicles should reach 2% of total parking spaces.

Additionally, we have joined hands with FETnet to set up charging stations in public parking lots. In May 2025, 8 parking lots in East District, North District and Siangshan District were put into use, with 73 fast and slow charging piles, providing MIT high-quality and high-density public fast-charging stations. At the same



Establishment of Charging Piles

time, we have launched “Smart Charging Service” to integrate the networked charging piles and platform systems, providing one-stop comprehensive information and real-time management.

4. Encouraging People to Take Public Transportation

To promote the utilization rate of public transportation by the people, Hsinchu City has coordinated the TPASS commuter monthly pass policy of the Executive Yuan and joined hands with Taoyuan City, Hsinchu County and Miaoli County to issue the Taoyuan-Hsinchu-Miaoli living circle commuter monthly pass, so that people can use a single public transportation card to take unlimited free rides. Since its launch in October 2023 until July 2025, this monthly pass has been purchased by 500,000 person-times cumulatively, and the overall public transportation volume has grown by 41.8%.

Besides, in December 2024, we launched the first “Pilot Bus” route operated entirely with electric buses, to connect important nodes such as Hsinchu Station, National Tsing Hua University, National Yang Ming Chiao Tung University, Hsinchu Science Park, THSR Hsinchu Station and Hsinchu Biomedical Science Park. 10 electric buses are dispatched in combination with the existing No. 182 Bus, shortening the travel time from 40 minutes to 20 minutes. The average number of passengers reached more than 20 person-times per trip.



Taking Public Transportation with TPASS / Pilot Bus





YouBike Station at Hsinchu Jianhua Junior High School

5. Public Bicycle Upgrade Program

To provide citizens with more convenient low-carbon transportation services, Hsinchu City has been actively expanding the service scope of public bicycles. As of June 2025, the total number of YouBike stations across the city reached 108, with 1,655 public bicycles, to gradually connect major tourist attractions in a “point, line and plane” manner. The cumulative number of bicycle riders has exceeded 12 million person-times; at the meantime, we have purchased more electrically assisted bicycles, so that people who need to ride for long distance or a long term can use them, thereby improving the quality of public transportation services.

6. Maintenance of Facilities of the 17-Kilometer Cycling Track

To align with the concept of transportation accessibility under the sustainable development roles, Hsinchu City regularly maintains the 17-kilometer cycling track. To create a more comfortable, flat and safe environment for pedestrians and cyclists, the city government has also improved several cycling tracks. We also strengthen maintenance for new facilities, to effectively provide a safe and comfortable cycling environment and enhance the quality of cycling tracks in the city.



Commencement Ceremony of the 17-Kilometer Cycling Track Project

7. Promoting the Transformation of Community Autonomous Spaces and Creating a Sustainable and Harmonious Local Living Area

To enhance the community building energy and develop living spaces with local characteristics and cultural heritage, Hsinchu City has been actively promoting the “Community Space Transformation Program”. Through community autonomous participation and relying on the sustainable development thinking, we strive to obtain resident’s consensus and build a high-quality living environment and cultural highlights that belong to the local communities.

Among them, the “Implementation Program for Site Guidance by Community Planners” centers on sustainable cooperation, and professional teams are invited to enter communities to strengthen communities’ autonomous planning and practical operation abilities and guide residents to jointly depict the future vision through a series of empowerment courses, case sharing, residents’ participation and interaction, off-site visits, and site cooperative camps; this program also provides resource support to subsize mature proposals for project implementation and material purchasing, and thus assists communities in realizing the idea of space transformation. Through the cooperation between the communities and the professional teams, we cannot only improve the quality of public spaces, but also realize the natural integration of local culture, environmental aesthetics and sustainability concept into life, thereby creating a livable, inclusive community environment with the potential for sustainable development.



Community Planners’ Community Environment Improvement Program

8. Publicizing the Correct Knowledge on Fire Prevention and Evacuation to Defend the Safety of Hsinchu City

Although fires are not predictable, more preparations can help reduce casualties. To effectively avoid casualties and property losses caused by fires, we shall not only urge citizens to develop good habits in using fire and electricity, but also publicize and educate them to learn correct knowledge on fire prevention and evacuation and carry out evacuation and initial fire extinguishing work in the early stage of a fire, to reduce citizens’ life and property losses due to fires. Additionally, to ensure effective response to fires, we have organized large-scale fire rescue drills, to improve firefighters’ disaster



Fire Rescue Drills



relief capabilities and enhance citizens' awareness of public disaster prevention.

At the same time, to strengthen firefighters' workplace safety and health protection, Hsinchu City established "Safety and Health Protection Team" in May 2025, with "Three Zeros and Four Safety" as the core values for safety and health promotion. "Three Zeros" includes "Zero Deaths on Duty, Zero Accidents in Training and Zero Health Hazards", while "Four Safety" means "Strengthening Duty Safety, Ensure the Safety of Fire Station Premises, Promoting Physical and Mental Safety, and Cultivating a Sense of Safety", thereby actively creating a zero-risk, safe working environment for firefighters.



Fire Rescue Drills

9. Cultural Heritage Preservation and Cultural Transmission, Enriching the Depth of Literature and History-Building a Database

To preserve and reproduce the collective memories of the land and its people, the Ministry of Culture has planned "Taiwan Cultural Memory Bank and Digital Value-Added Application Program in the Category of Digital Infrastructure of the Forward-looking Infrastructure Development Program", and introduced technology to build a national-level cultural platform, to promote citizens to participate in constructing local knowledge, which serves as a basic element for the cultural and creative economic industries, to market Taiwan's original culture and align with the international community.

To coordinate "Program of the Ministry of Culture for Subsidizing Special Municipalities and County (City) Governments to Promote Taiwan Cultural Memory Bank", Hsinchu City has promoted "Hsinchu City Local Treasure Database", for the purpose of advancing the digital publicization and value-added application of local knowledge. The website of the Hsinchu City Local Treasure Database enables the public to search literature data on the Internet at any time. Statistics showed that the number of website visitors in 2024 increased by 19.8% compared to that in the previous year.



Hsinchu City Local Treasure Database

10. Cultural Heritage Preservation and Cultural Transmission, Enriching the Depth of Literature and History-Restoration of Historic Sites

Cultural heritage is of great significance to society, for it not only represents history and traditions and helps build cultural identity, but also serves as an important resource for education and learning. Therefore, protecting cultural heritage can promote economic development, empower tourism, create job opportunities, and maintain cultural diversity and inspire innovation. Additionally, many cultural heritage items are combined with the natural environment, revealing human wisdom and the way people coexist harmoniously with nature. Also, the cultural heritage serves as a bridge connecting the past, the present and the future, demonstrating its profound value for social development.

The “Hsinchu Branch of the Sixth Fuel Factory of the Japanese Navy” in the city is one of the few well-preserved World War II military industrial sites in Taiwan. This site was registered as a historic building in 2010. Through investigation and research, planning and design, structural reinforcement, etc., a four-phase restoration project was planned. The third phase of the project started in April 2024, and is expected to be completed in 2027. The restoration works in the fourth phase of the project will redisplay the power operation mechanism of the plant building and the living conditions of the former military dependents back then, thus realizing the goal of sustainable management and revitalization of historic buildings.



Status Quo of the Sixth Fuel Factory



Simulation Diagram after Restoration





11. Promoting the Public Participation in Programs like Spatial Planning and Urban Planning

As an important hub for the clustering of technology industries, Hsinchu City aims to provide a high-quality environment for the technology industries as well as sustainable living functions in terms of its spatial planning. Through interviews, symposiums, and briefing sessions, we have collected opinions from the public and explained the results of related work.

Three symposiums were held in 2025: In January, a local public symposium on the “New Urban Planning Project for Area near the Northern Side of the Jiadong Interchange in Hsinchu City” was held at Jiadong Citizen Activity Center. In February, an investment promotion briefing session on the “Entrusted Technical Service Project for the Feasibility Assessment and Planning Research of the Urban Planning in the Area on the Southern Side of Hsinchu Airport” was held at Nanshi Citizen Activity Center. In March, a local public symposium on the “Entrusted Technical Service



Investment Promotion Briefing Session on the “Entrusted Technical Service Project for the Feasibility Assessment and Planning Research of the Urban Planning in the Area on the Southern Side of Hsinchu Airport”

Project for the Feasibility Assessment and Planning Research of the Urban Planning in the Area on the Southern Side of Hsinchu Airport” was held at the activity center of Hsinchu Municipal Hulin Junior High School.

12. Implementing Air Pollution Prevention Program to Improve Air Quality

To comply with the Air Pollution Control Act, Hsinchu City develops an air pollution control program every 4 years, to improve and maintain the air quality of the city. Through precise scientific monitoring and data analysis, we have discussed and formulated effective prevention strategies, including multiple measures like control of mobile sources and improvement of stationary sources, to substantially reduce pollution emissions from the source; additionally, we actively promote green transportation, increase the utilization ratio of clean fuel, and supplement with intelligent monitoring technology to improve pollution early warning capability and assure the effectiveness of pollution control. Furthermore, through diverse publicity approaches and real-time information disclosure, we



Installation of Micro-sensors

aim to improve people's emphasis on and awareness of air quality and promote environmental sustainability.

The relevant achievements are reflected in the city's air quality data. The annual average value of PM2.5 was improved from 13.3 $\mu\text{g}/\text{m}^3$ on 2023 to 12.8 $\mu\text{g}/\text{m}^3$ in 2024. The hourly average value of ozone was improved from 88.8ppb in 2020 to 80.9ppb in 2024. The proportion of the number of days with poor air quality was improved from 5.2% in 2020 to 3.6% in 2024.

The number of complaints about the oily fumes and odors from the catering industry ranks the first place among the categories of air pollution complaints in Hsinchu. To effectively control the oily fumes from the catering industry, we have continually adopted methods like inspections and guidance for improvement to urge business operators to independently install catering fume treatment equipment, thereby reducing the emissions of catering fumes and lowering the pollution load of the city.



Covering of Dustproof Nets in Exposed Construction Areas to Inhibit Dust / Use of Technological Instruments to Visualize the Smoke Flow and Confirm the Collection Effect of the Hood

13. Planting and Landscaping Programs in Parks, Green Spaces, etc.

To improve the quality of park recreation, enhance the quality of the green environment, alleviate the urban heat island effect, and promote environmental sustainability, Hsinchu City regularly reviews the growth of trees, shrubs, lawns, and grass flowers in parks and green spaces every year, and conducts greening and replanting work based on the planting deficiencies or to coordinate the adjustment of the surrounding landscape.



Inauguration of the Hsinchu City Park and Scenic Area Facility Management Center



Distant View of a Classy Restaurant by the Lake in Hsinchu Park

To comprehensively handle all maintenance matters in parks and scenic areas, we established “Hsinchu City Park and Scenic Area Facility Management Center” in December 2024, to effectively improve the maintenance efficiency of public facilities and provide citizens with better recreational environment and travel expenses. In the future, we will continue to maintain trees, shrubs, lawns and grass flowers annually, to improve the urban green coverage area and the green area per capita, thereby creating a good landscape.



Aerial Photo of Guanxin Park / Green Learning Space in Guanpu Elementary School

14. Promoting People-Oriented Traffic

To create a more friendly walking environment, Hsinchu City has been actively promoting the sidewalk improvement plan in various districts. Besides continually striving for funds to build new sidewalks, we have also allocated relevant maintenance funds to ensure that the sidewalk pavements are in good condition and meet the requirements of being comfortable, convenient, continuous and consistent. Furthermore, we have effectively expanded the pedestrian space to create a people-oriented, safe, and high-quality walking environment. In 2024, the length of sidewalks improved reached 4,100m.



Before construction / During construction / After construction

15. Promoting the Compliance with Green Building Standards

Hsinchu City has been actively implementing the joint development of urban development and environmental sustainability and promoting the compliance of buildings with the green building standards. During the review stage of construction licenses, we review the green building design elements case by case and item by item in accordance with the provisions of Article 298 of Building Technical Regulation: Section of Building Design and Construction, to ensure that the newly constructed buildings satisfy the standards of energy saving, water conservation, greening and green building materials and fulfill the green building standards. As a result, the sustainable performance and residential quality of overall buildings can be effectively enhanced. At the same time, within two weeks after the issuance of construction licenses, we will conduct spot check and recheck of such licenses as specified and comprehensively verify the building designs and actual construction, thus not only



Spot Check and Recheck of Construction Licenses

implementing the green building policy and achieving energy-saving and carbon reduction benefits, but also promoting the improvement of the construction quality. Statistics showed that 228 construction licenses were approved in 2024. There were 180 cases regarding the construction licenses of new buildings within the urban planning region, of which 174 cases complied with the green building standards and 6 cases were exempt from the review of green building standards.



SDG 12



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



SDG12 Responsible Consumption and Production
Ensure sustainable consumption and production patterns.

1. Diversified Recycling Service Channels and Recycling Rate Improvement Programs

To advocate a net-zero green life and resource recycling and reuse, Hsinchu City has been promoting diversified resource recycling activities and a plastic-free life, e.g., Recycling Life Festival, Hsinchu Environmental Partners, waste-free market and plastic reduction in public markets. Also, intelligent unmanned recycling stations, “Recycling” (Fengshouzhuan) activity, resource recycling classroom, etc. have been set up, to encourage citizens to implement resource recycling and source reduction with concrete actions; in 2024, the recycling rate reached 53.31%. In the future, we will continue to take multiple measures responding to environmental protection and advocating sustainable concepts, to improve the public awareness of environmental protection, reduce resource waste, and improve recycling rate.

Additionally, by promoting the inspections of community buildings, business districts, and trash bags along the route, as well as onsite inspections of incinerators, and implementing the policy of reducing waste from the source, we aim to build a plastic-reducing and environment-friendly city; in 2024, the amount of solid waste generated per person per year was approximately 0.622t. We will continue to improve the “Bring Your Own, Reuse Your Own and Reduce Your Own” New Lifestyle Campaign, thereby strengthening the waste reduction from the source and reducing the amount of solid waste generated per person per year.



Plastic Reduction Activity in Public Market / Promotion of Repair Instead of Purchasing at Repair Store



Resource Recycling of Food Waste

With respect to food waste recycling, we have adopted approaches including education and publicity as well as active waste classification inspections to guide the public to correctly classify and recycle food waste. By doing so, we can reduce the mixing of food waste with general waste for incineration treatment. Additionally, to build a circular economy, Hsinchu City successfully obtained a fund of NT\$ 21 million from the central government. Combined with the city's own fund of NT\$ 4.79 million, we made a total investment of approximately NT\$ 25.79 million in the new construction project of the food waste composting treatment plant. After completion of quick fermentation of food waste, the newly built food waste composting treatment plant is used for maturing, drying, and screening out impurities of the food waste. Subsequently, we will legally apply to the Ministry of Agriculture for a fertilizer registration certificate, to complete the last mile of food waste composting and realize the recycling and reuse from the dining table back to the dining table.



Commencement Ceremony of the New Construction Project of Food Waste Composting Treatment Plant

2. Promoting Green Procurement Programs for Government Agencies

In accordance with relevant policies of the Ministry for Environment to promote green procurement, Hsinchu City has been actively promoting green procurement of government agencies, and holds briefing sessions for green procurement of government agencies every year. Statistics showed that Hsinchu City had realized an achievement rate of 98.8% regarding the designated green procurement projects in 2024; in the future, we will continue relevant promotion and publicity activities, and have the government lead the people to further its green procurement and implement energy conservation, carbon reduction, and green consumption.



Briefing Session for Green Procurement of Government agencies

3. Recycling of Incineration Recycled Aggregates

The waste resource recycling plants in Hsinchu City annually produce approximately 30,000t of incineration bottom ash. By testing the addition ratios of different incineration recycled aggregates, we have managed to produce cement products that comply with the requirements for engineering strength with Green Mark and green building certification, such as bricks, curbstones, etc. These products have been applied in public works in the city, including 12 public works such as school sidewalk brick paving works in Guangwu Junior High School, Hsinchu Municipal Hulin Junior High School and Hsinchu Municipal Chu-Lian Elementary School and road environment improvement on Zhonghua Road, involving a usage area of approximately 5,020 square meters.

Additionally, the “Briefing Session for Promotion of Incineration Recycled Aggregates” has been held to enhance the legal awareness of relevant business personnel and their confidence in using recycled resource. Furthermore, government agencies, schools, construction contractors and supervision contractors engaged in projects in the city were extensively invited to participate in “Bottom Ash Reutilization Benchmarking Study Tour”. By observing the successful experiences and project cases of other counties and cities, we could lay a foundation for practical applications in the future.



Application of Bricks Made of Incineration Recycled Aggregates



SDG 13



SDG13 Climate Action

Take urgent action to combat climate change and its impacts.

1. Clean Air for Health Action Plan

Hsinchu City has established the “Greenhouse Gas Control Enforcement Program” for implementation according to the national policy, and revised the related implementation strategies on a rolling basis. The program is divided into three phases (2018-2020 as the first phase, 2021-2025 as the second phase, and 2026-2030 as the third phase). In the first phase, greenhouse gas emissions were reduced by nearly 60,000tCO₂e. The second phase focuses on 6 major aspects and 51 promotion strategies. Statistics indicated that the greenhouse gas emissions were reduced by 179,000tCO₂e from 2021 to 2024.

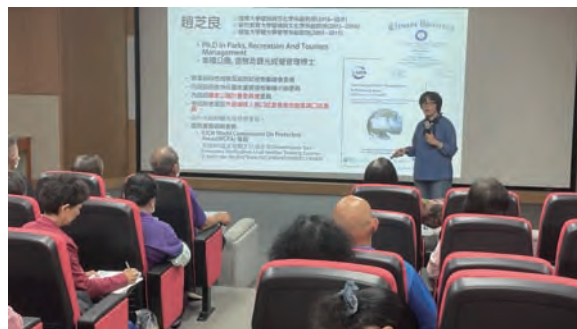
In December 2024, Hsinchu City officially published “Hsinchu City 2050 Net Zero Emissions White Paper”, to align with international standards with reference to the net zero pathway of Taiwan. We have conducted a practical inventory of local climate action plans and established 45 promotion measures, laying out a specific blueprint for achieving net-zero emissions.



Hsinchu City 2050 Net Zero Emissions White Paper

2. Environmental Education Promotion Programs

To enhance the knowledge and quality of environmental educators on climate change, Hsinchu City organizes the relevant training courses annually. From 2022 to 2024, such courses were attended by 285 person-times. In the future, we will continue to actively promote relevant training and increase the number of participants year by year, to strengthen the professional knowledge and capabilities of the environmental educators in the city.



Education and Training Courses for Environmental Education Volunteers



3. Advocating Fire Prevention Actions and Building a Happy and Safe City

To help school children establish the concept of fire safety and improve their disaster response abilities, Hsinchu City has conducted fire protection passport certification activities for 4th-grade students, so that they could gain a full understanding of the hazards caused by fires such as thick smoke and high heat and then master the ways to get out of danger safely in a fire scene and even assist people around them in escaping; at the same time, students were guided to firmly remember a pithy formula of “Get Down, Take Cover, and Hold On” for earthquake response, and provided with evacuation drills to develop the ability to deal with disasters calmly.



Earthquake Evacuation Drill

4. Promoting a Learning Environment for Fire Prevention Publicity

To strengthen the public awareness of disaster prevention, improve knowledge on disaster prevention and rescue, and enhance the capability to respond to disasters, we have expanded the scope of disaster prevention publicity through various publicity approaches and occasions, to improve people’s understanding of common knowledge about disaster prevention, achieve the effectiveness of publicity, lower the damages caused by disasters, and then ensure the life and property safety of the people.



Fire Prevention Publicity Activities



5. Promoting a Diverse CPR Learning Environment

According to medical literature, for patients suffering from cardiac arrest and respiratory arrest, if CPR can be immediately performed and an AED can be used to deliver an electric shock to the heart as early as possible, the success rate of first aid will be effectively improved. On the contrary, for every one-minute delay, the success rate will decrease by 7-10%. Therefore, performing CPR as early as possible is the key to first aid.

To enable more students to master the golden rescue time and learn the correct CPR skills, CRP learning and certification activities have been held for junior high school students on campus, benefiting nearly 5,000 eighth-grade students every year. These activities improve students' emergency response capabilities and first-aid skills, and, through the spillover effect, enable more citizens to master CPR skills and common knowledge.



CRP Drill and Publicity

6. Improving Areas Prone to Waterlogging through Intelligent Flood Prevention

In recent years, extreme climate has led to frequent heavy rainfall, easily resulting in waterlogging disasters. To effectively solve this problem, we have reviewed and analyzed all previous waterflooding waterlogging cases, and included engineering improvement measures to be executed subsequently into management. By 2025, improvements have been made to 26 areas prone to waterlogging. At the same time, we have utilized a self-built intelligent flood prevention system comprising 76 sets of waterflooding sensing devices, 6 sets of monitoring stations for pumping stations and detention ponds, large mobile pump monitoring equipment and regional drainage monitoring facilities and integrated a total of 223 CCTVs from Hsinchu City and the Highway Bureau, Ministry of Transportation and Communications, to master the status and point locations of waterflooding and waterlogging, and assign personnel to handle with such conditions at any time, to lower the impact of waterflooding and waterlogging on the people.



A Complete Flood Prevention System



7. Low-Carbon and Sustainable Homeland

To implement low-carbon and sustainable actions, the Ministry of Environment has promoted the “Low-carbon and Sustainable Homeland Certification Program” with villages as units, aiming to start from energy conservation and carbon reduction and gradually move towards sustainable development.

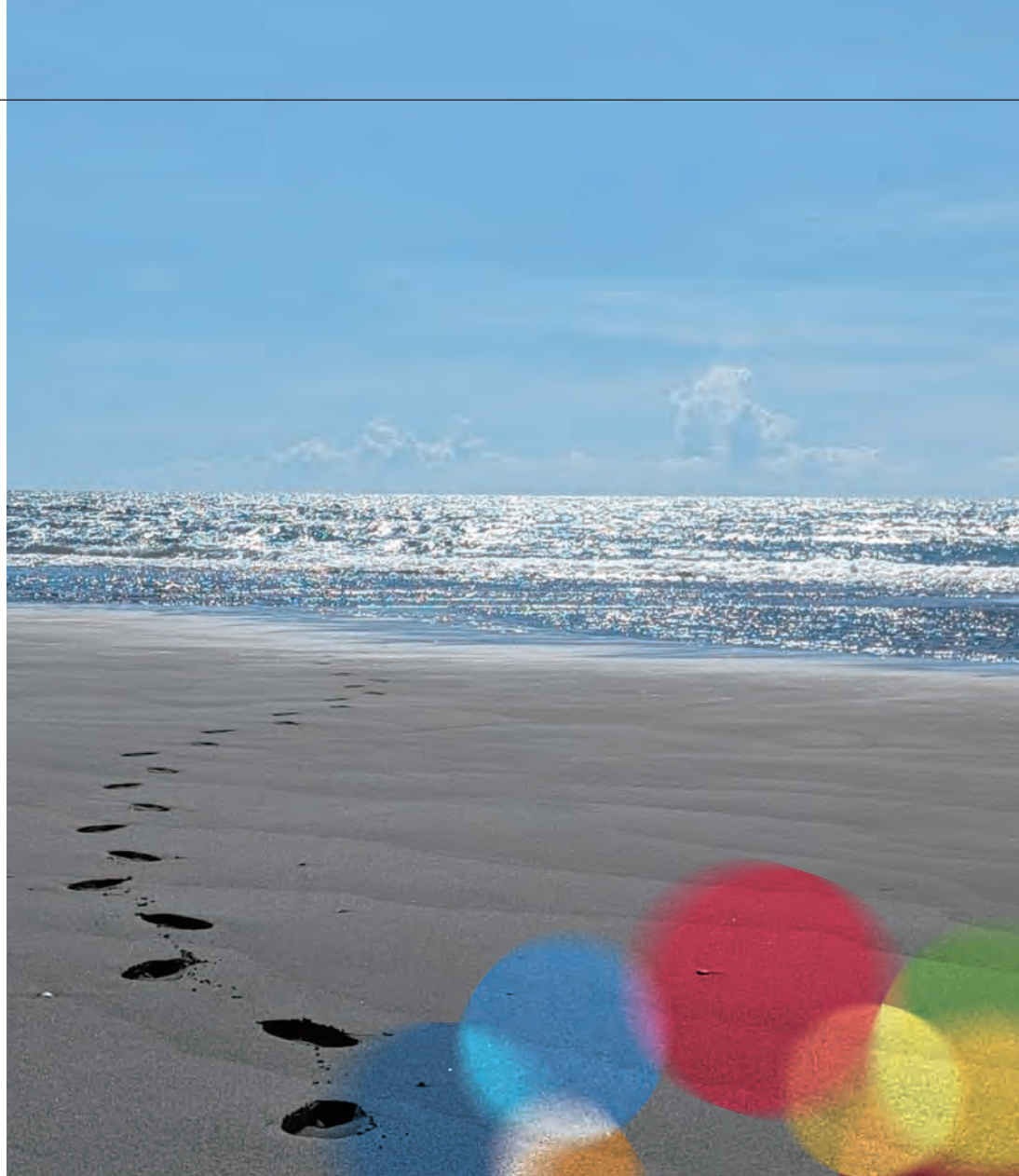
Hsinchu City has actively led citizens to promote a low-carbon and sustainable homeland and provided multiple subsidies for low-carbon community renovation, including subsidies for old housing, “Love and Share Refrigerator” and Eating-with-Friends Centers, low-carbon and sustainable homeland, and electricity saving, etc. Villages (communities) may effectively utilize these subsidies to promote low-carbon and net-zero work, to improve environmental quality; by 2024, all 122 villages in Hsinchu City participated in the low-carbon and sustainable homeland rating and certification, with a participation rate of 100%. According to the rating results, Hsinchu City was rated as silver grade at the “municipal level”, Siang-shan District was rated as silver grade, and East District and North District were rated as bronze grade at the “district level”, and 4 villages were rated as silver and 31 villages were rated as bronze grade at the “village level”, respectively.



Participation in the Rating of Low-carbon and Sustainable Homeland / Silver Grade and Bronze Grade in the Rating of Low-carbon and Sustainable Homeland



Green wall of San Min Primary School



SDG 14



SDG14 Life below Water

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

1. Protection of the Quality of Marine Waters

A total of four marine sampling and monitoring stations have been set up in the sea areas outside the 17km coastline of Hsinchu City. Regular monitoring is implemented quarterly, with 12 monitoring items including salinity, dissolved oxygen, pH value, suspended solids, cadmium, copper, lead, zinc, mercury, flow velocity, flow direction and water temperature. Besides, regular monitoring and sampling are performed once a quarter in the port area, with 15 main monitoring items including salinity, dissolved oxygen, pH value, suspended solids, cadmium, copper, lead, zinc, mercury, total phosphorus, ammonia nitrogen, chemical oxygen demand, phenols, coliform group and mineral oil, etc.; the monitoring results in 2024 all complied with the standards for class-B sea areas.



Sampling for Marine Water Quality Monitoring

2. Nurturing the Fisheries Industry and Protecting the Sea, and a New Atmosphere at the Fisherman's Wharf

To increase the fish resources in the coastal and offshore areas, Hsinchu City released a total of 175,000 fry through collaboration with public and private sectors in 2024, with a total investment of NT\$ 2,925,000. Besides, we held a fry release activity on May 25, 2024, to promote the concept of resource conservation and sustainable fishery.

As an important action that promotes marine conservation and sustainable development, fry release helps restore fishery resources and maintains ecological balance, having a positive impact on the marine



Fry Release Activity



Fry Release Activity

environment. Fry release activities shall be carried out in accordance with relevant regulations and in considerations of local factors like water quality, water flow, water depth, season and climate. Marine areas and time suitable for fry release shall be selected, and suitable fish species for release shall be selected based on the local marine ecology. In addition to the enriching of fish resources, these activities will help increase the biodiversity of local waters. The benefits therefore generated include:

- Enriching fishery resources: Releasing aquatic animals is a common practice adopted to enrich fishery resources in coastal and offshore areas. Hsinchu City attaches great importance to the sustainable development of its fishery, and we are glad to see all parties participate in such activities together. Besides increasing fishery resources, it can also raise the public's attention to marine ecology.
- Advocating environmental protection awareness: Through the organizing of fry release activities, we can advocate environmental protection awareness, encourage citizens and participants to take care of the marine ecology, and avoid overfishing and destruction of the marine environment.
- Monitoring and research: Monitoring and research will be continually implemented after fry release, to understand their growth, migration patterns and survival rate, which benefits the evaluation of the future release plans.
- Protecting fishery resources: Through the release activities, fishery resources can be increased, and the sustainable development of fishery can be sustained, which is of great importance for the fishermen and the fishery industry.

The Ministry of Agriculture made an announcement on revising “Restrictions on the Release of Aquatic Animals in the Marine Areas and Matters to Follow” on September 12, 2022 and added the provision that the release of wild aquatic animals must be reported and personnel handling release in the marine areas shall receive education and training certifications. Besides, species to be released and releasing methods have also been specified in the preceding regulation. Hsinchu City has taken various management measures to effectively manage the release activities.

3. Clean Oceans

Marine debris has become a global issue. To comprehensively manage marine debris and protect the environments of the sea surface, seabed and beaches. Since 2017, Hsinchu City has successively established marine patrol teams including “Hsinchu Marine Environmental Protection Fleet, Hsinchu Undersea Fishing Patrol Team, and Siangshan Junior Water Environment Patrol Team”. The number of members of these patrol teams has been growing year by year, and currently there are over 200 team members. In 2024, 52.7 tons of marine debris were cleaned up.

To upgrade the recycling and disposal operations of discarded fishing nets and improve the capacity and quality of disposed finished nets, Hsinchu City continues to implement the “Discarded Fishing Net Recycling Project” and specifically established “Fishing Net Recycling Site” in 2024 to design pre-cleaning space and specialized disposal tools for discarded finishing nets. At the same time, we are cultivating more volunteers and environmental protection newcomers to assist the fishing net disposal work; by April 2025, we cumulatively recycled 21.43 metric tons of recycled discarded fishing nets, with a total length of over 100,000 meters. These discarded fishing nets can be remade into about approximately 18 metric tons of recycled plastic aggregates. The achievements in marine waste recycling are remarkable.



Execution of Marine Debris Disposal Work by Hsinchu Marine Environmental Protection Fleet and Undersea Fishing Patrol Team / Recycling of Fishing Nets / Fishing Net Recycling Site



SDG 15



SDG15 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.



Animal Protection and Education Park

1. Friendly Conservation and Ecological Protection and Strengthening Disease Prevention to Ensure Good Health

Hsinchu City promotes the control of stray dogs and cats and TNVR (Trap Neuter Vaccinate Return), and has entrusted animal rescue contractors to carry out 24-hour animal protection and rescue work during nights and holidays. Also, we implement the source management of pet registration and strictly implement the law enforcement and investigation of animal protection law-violating cases; additionally, we have organized various activities to promote adoption and policy publicity, to raise the public awareness of animal protection, and provided free cremation services for the carcasses of unowned dogs and cats and relatively affordable collective cremation services for the carcasses of owned pets, safeguarding the welfare of all animals from birth to death. Furthermore, we encourage people to visit and adopt animals at the Hsinchu City Animal Protection and Education Park, thereby giving a home to stray animals and ensuring that they are taken good care of without being abandoned.



Promotion of Adoption and Policy

Through the implementation of “Deep-rooted Animal Protection Education”, “Promotion of Pet Owners’ Responsibilities” and “Creation of an Animal-Friendly Environment”, Hsinchu City was rated as “Class A” in both “National Animal Protection Performance Appraisal” and “National Pet Management Performance Appraisal” held by the Ministry of Education in 2024, and even received a special award of “Progress Award” in the appraisal of “National Animal Protection Business”.



2. Strengthening Soil and Water Conservation and Safety to Ensure Sustainable Ecological Conservation

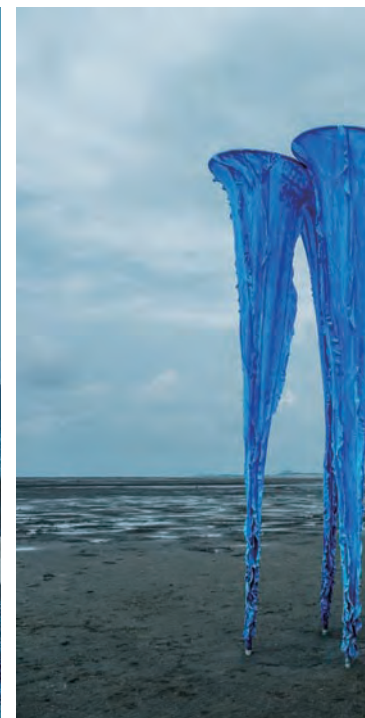
The Siangshan Wetland and the Keya Creek Habitat in Hsinchu City are our important wildlife conservation areas. The Siangshan Wetland attracts tourists for approximately 500,000 person-times every year. To achieve sustainable utilization of resources, ecological conservation publicity has been planned to enhance the conservation concepts of the citizens and tourists, thereby realizing the ecological conservation of the wetland and the maintenance of biodiversity.

At the same time, to combine ecological conservation with tourism education, Hsinchu City joined hands with the Ocean Conservation Administration to reconstruct the space of “Siangshan Wetland Ecology Hall” to “Siangshan Wetland Marine Conservation Education Center” in June 2025, to build the first education base with the theme of ocean conservation in northern Taiwan. Hopefully, it can improve people’s attention to the ecological sustainability of wetlands and oceans and help implement environmental education from the grassroots level.



Siangshan Wetland Marine Conservation Education Center

Hsinchu City continues to hold the Siangshan Wetland Art Festival. In 2024, in combination with a subsidy program of the Agency of Rural Development and Soil and Water Conservation, Ministry of Agriculture, we invited artists to create works through cooperation with rural communities. As a result, 11 large artworks were completed. Through continual operation of Siangshan Wetland, citizens can develop a deep understanding of the importance of the wetland ecosystem and improve their awareness of environmental sustainability.



3. Maintaining Agricultural Safety

To ensure the safety of edible crops for the public and to give equal consideration to farmers' rights and interests, Hsinchu City makes every effort to enhance the fertility of agricultural land with restricted cultivation, avoid the occurrence of contamination hazards to edible crops, effectively implement monitoring of pesticide residues in crops, quality testing of organic agricultural products, and inspections of agricultural products with production and sales records, strengthen the management of pesticides and fertilizers and the sampling inspection of seeds, and assist and guide local farmers to improve the production of agricultural and grain crops, prevent and control epidemic diseases and pests, and ensure safe production of crops.

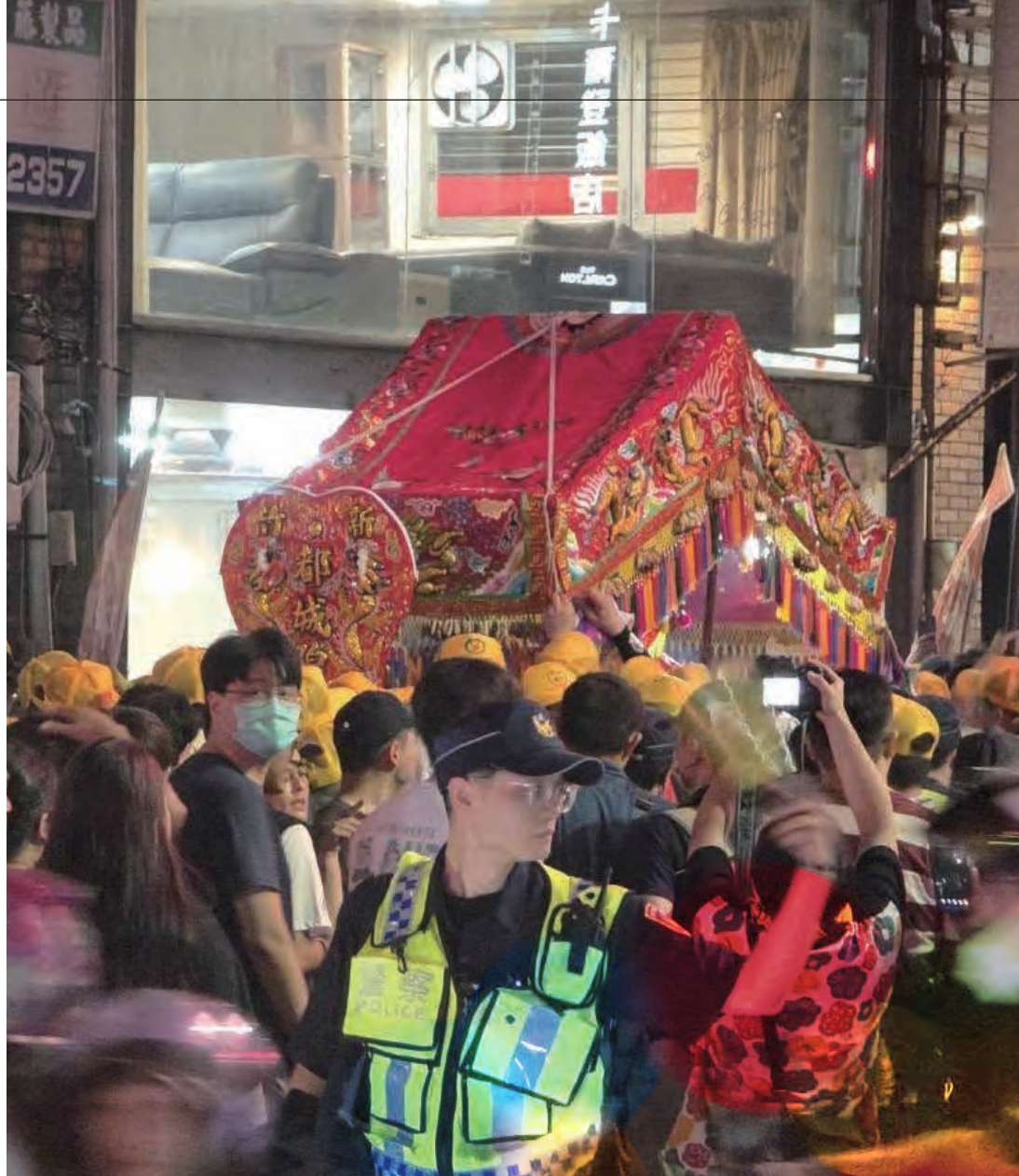
In 2025, we held a "Litchi Stink Bug and Pest Control Seminar" through cooperation with the litchi production and marketing group. At the seminar, the ecology of litchi stink bug, chemical control methods, and integrated pest management techniques were explained, and control strategies for litchi pests such as litchi stink bug, litchi fruit borer and oriental fruit fly were taught. Furthermore, we jointly promoted the integrated pest management (IPM) control strategy. At the same time, to strengthen biological control, Hsinchu City has subsidized farmers' associations to distribute 120,000 *Anastatus japonicus*, using the natural enemy to suppress the population of litchi stink bugs and ensure the yield and quality of litchi.



Pest Control / *Anastatus Japonicus* Eggs



Travel Vehicle-Sunset Yellow by Artist Li, Cheng-Liang / Whirlwind of the Wind by Artist Wang, Jhen-Wei



SDG 16



SDG16 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.

1. Public Security Maintenance

To guarantee the life safety of the people and promote social fairness and justice, Hsinchu City has continually and forcefully cracked down illegal gang organizations and targets, to purify social security order and demonstrate a strong law-enforcing capability.

In terms of combating gangs and seizing firearms, Hsinchu City uncovered cases of organized crimes and illegal possession of firearms by gangs in other counties and cities, and seized a total of 13 firearms, including “Glock pistol”, powerful “MP5 submachine gun”, “M4 carbine” and “shotgun”, as well as a total of 537 rounds of Beretta 90two, rifle and highly lethal dum dum bullets, thus effectively preventing gangs from possessing mobile arsenals and threatening social order, and successfully suppressing the arrogance of illegal gangs.

With respect to drug control, we busted a large marijuana drug manufacturing factory and sized 5,659 marijuana plants and 1,666 marijuana seeds on the site with a market value of over NT\$ 2 billion, setting a record for the largest seizure of marijuana plants in Taiwan’s public security history. This action successfully blocked the inflow of a large quantity of drugs to the market, and thus safeguarded citizens’ physical and mental health.

To provide a solid social foundation for sustainable development and continually prevent the occurrence of violent crimes, we require the immediate detection and solving of violent crimes, to effectively contain the spread of crimes, maintain social stability, and resolutely “focus on cracking down crimes and getting to the bottom of the matter”. The clearance rate of major criminal cases of Hsinchu City reached 100%.



Press Conference on the Seizure of Firearms /
Press Conference on the Busting of the Drug Manufacturing
Factory



Joint Inspection and Publicity Activity / Joint Inspection Duties





2. Fraud Prevention and Crackdown to Protect People's Property Safety

To effectively enhance the anti-fraud capabilities of the people in Hsinchu City, we have established a "Hsinchu City Anti-Fraud Task Force" to actively promote fraud prevention and crackdown work and implement "Anti-Fraud Guidelines Version 2.0". As a result, fraud groups have been severely punished, and the victims' rights and interests have been safeguarded. Since 2023, fraud attempts involving more than NT\$ 410 million have been successfully blocked, fully demonstrating our determination to combat frauds. Additionally, through cooperation with Hsinchu District Prosecutors Office and local financial institutions, we established "Hsinchu Region Suspicious Account Early Warning Center" in November 2024. For suspicious or abnormal accounts, the prosecution authority, financial institutions and police departments work together to identify them, immediately block suspicious transactions and fraud crimes, and prevent and warn frauds at the early stage, thereby jointly safeguarding people's property from all aspects.

We manage to guarantee citizens' safety by strengthening the fight against fraud crimes. In 2024, Hsinchu City ranked the first place in Group C in the project appraisal of "3rd National Synchronous Anti-Fraud Project Action". Also, with its "National Synchronous Fraud Operator Investigation and Seizure Project Action", Hsinchu City ranked the first place in Group C in the project appraisal. Specifically, it had a full score of 100 points, the only one in Taiwan to achieve this.



Remarkable Achievements in Fighting Frauds

3. Demonstrating the Firm Determination to Protect Teenagers through Youth Project

During the summer vacation, the public security department conducted joint inspections in the Summer Youth Project, targeting at business venues where teenagers were prone to gather and cause trouble and harm to their physical and mental health. This project aimed to prevent teenagers from visiting inappropriate places or breaking the law due to wrong concepts. Furthermore, intensified crackdown actions were taken on sections of roads where teenagers would easily engage in illegal racing and dangerous driving.



Joint Inspection in the Summer Youth Project

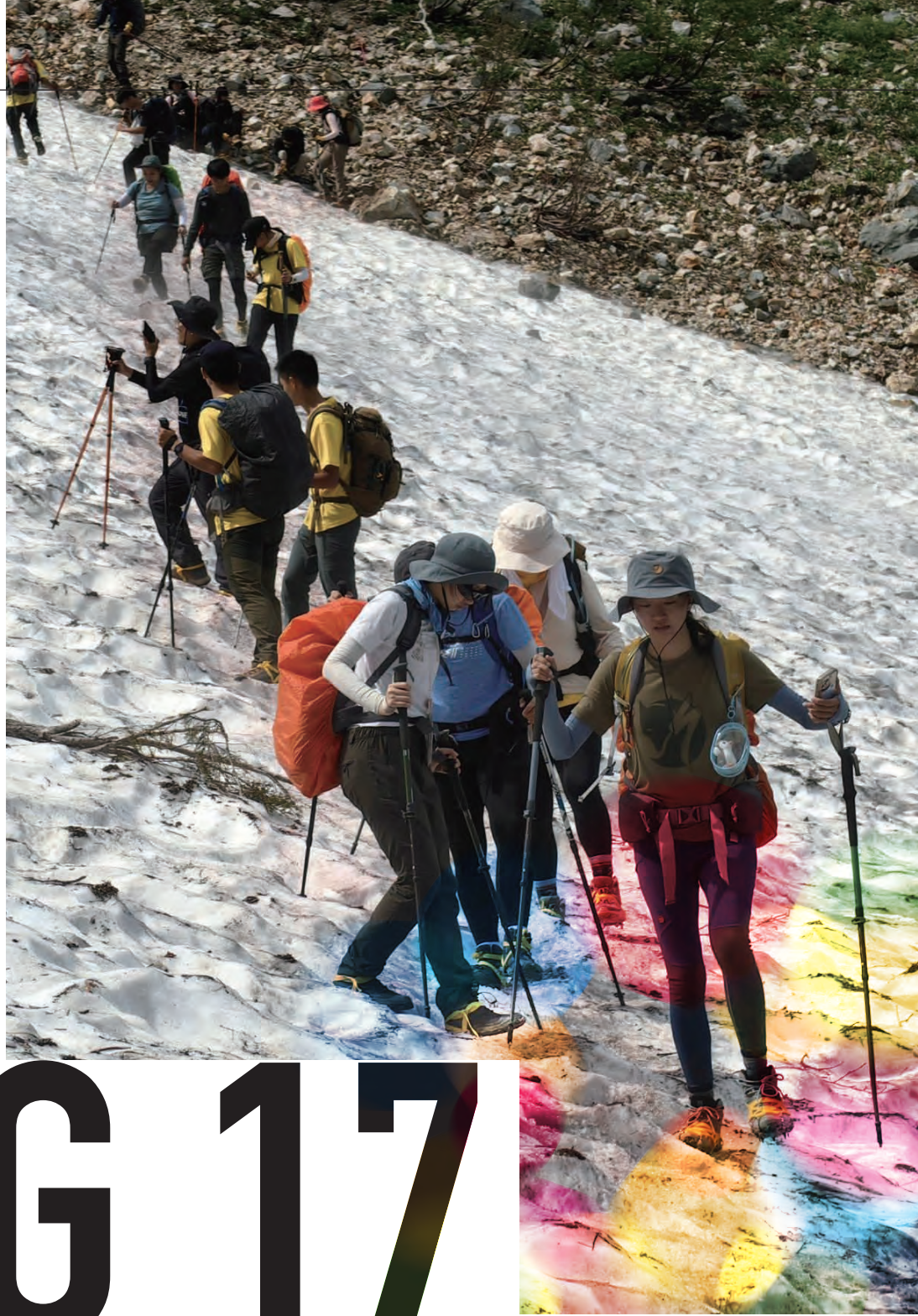
4. Adjusting Allowances to Reward Police Officers with Substantive Welfare

To support front-line police officers' duty performance, the monthly overtime pay ceiling has been raised to NT\$ 19,000 and the subsidy for health checkups has been increased to NT\$ 4,500-NT\$ 7,500. In 2025, 8 police cars and 36 police motorcycles were purchased to enrich the duty equipment; besides, since field staff needs to work in 24-hour shifts and perform highly risky duties, a "late-night dangerous and laborious duty allowance" of NT\$ 100 per hour has been actually paid to colleagues who perform patrolling, lookout and other duties from 0:00 a.m. to 6:00 a.m. since June 2025 according to the policy of the central government, to boost the morale of the basic-level police officers and make them the strongest backup for all police officers.

Additionally, to promote police officers to develop diverse interests and hobbies, Hsinchu City encourages them to form sports clubs. Based on the number of club members, a monthly subsidy amounting to NT\$ 800-NT\$ 2,200 will be provided for each police officer. By developing hobbies and making like-minded friends, police officers can balance their mind and body, and a happy and friendly workplace environment can be created for the police.



Implementation of Late-Night Dangerous and Laborious Duty Allowance



SDG 17

17 PARTNERSHIPS FOR THE GOALS



SDG17 Partnerships for the Goals

Strengthen the means of implementation and revitalize the global partnership for sustainable development.

1. Expanding International Exchanges and Strengthening Sustainable Development

Hsinchu City continues to deepen urban diplomacy, and receives more than 10 groups of foreign guests every year. Also, we take the initiative to select international cities with excellent governance performance for exchange visits. From 2020 to 2024, the cumulative number of international exchanges reached 71. At the same time, we actively increase opportunities for cooperating with global cities and initiatively share our practical experience in terms of intelligent governance, net-zero transformation, and sustainable development. Through the furthering of communication and the establishment of global city partnerships, we aim to strengthen the international visibility of the city and strive for more transnational cooperation resources for citizens, thus jointly moving towards the vision of a livable and sustainable city.



Youth International Exchange Visit / A Visit by Teachers and Students from Cupertino

2. Volunteerism for Sustainable Management

Hsinchu City has been continually promoting volunteer services to enhance citizens' awareness and sense of social responsibility. The number of volunteers in the city increased from 20,185 in 2022 to 22,008 in 2023 and 22,714 in 2024, respectively, presenting a stable growing trend.

Currently, the volunteer services in Hsinchu City are mainly rendered by non-profit organizations and communities. The Volunteer Service Promotion Center continues to launch diverse volunteer service



One-day Volunteer Experience



programs, including one-day volunteer experience, spiritual care, and joint service program for the young and the elderly. Hsinchu City also promotes young volunteers aged 16-40 to engage in volunteer services, to improve social participation. Besides, through policy guidance, the participation rate of volunteers from non-governmental groups has been increased, making volunteer services an important driver for urban development, deepening social connections, and jointly promoting sustainable development goals.



Mutual Assistance Program for the Young and the Elderly

3. Community Building and Village Culture Development Program

Taiwan encourages people to actively participate in community public affairs, develop community public spaces, integrate resources, and support the inheritance and popularization of local wisdom and knowledge according to Article 13 of the Cultural Fundamental Act, thereby promoting people's sharing of community cultural life and local cultural development. Hsinchu City takes "co-building" as the core concept and promotes "overall community building". Through the community building committee and community co-building platform across bureaus and departments, we integrate relevant resources from the public sector, to jointly promote community development. Since 2023, the scope of implementation has been gradually expanded, and joint briefing sessions are held annually. Furthermore, joint achievement exhibitions are held once every two years, and the three district offices in the city have been assigned to guide communities and the public to complete community building programs independently.



Community Building Communication and Co-learning Camp / Briefing Session on Subsidies for Community Building / Community Building Proposal Workshop



Minfu Community and Grandpa Longan tree

Net Zero Targets and Pathway

Net Zero by 2050 and climate change response have already become an international consensus. The latest data of Climate Action Tracker (CAT) indicates that approximately 145 countries and regions have declared their commitments to net-zero emissions, with their emissions accounting for 89% of the global greenhouse gas emissions. As a key city known for its technology industry, Hsinchu aims to become a livable and sustainable net-zero city while maintaining economic development.

In 2024, Hsinchu City published “Hsinchu City 2050 Net Zero Emissions White Paper” which proposes a pathway towards Net Zero by 2050. By implementing multiple promotion measures, e.g., joining hands with National Science and Technology Commission and Hsinchu Science Park Administration to promote green production to create intelligent zero-carbon buildings in the residential and commercial sector and creating green transportation, Hsinchu City has demonstrated its determination for the net-zero transformation and its commitment to the environment.

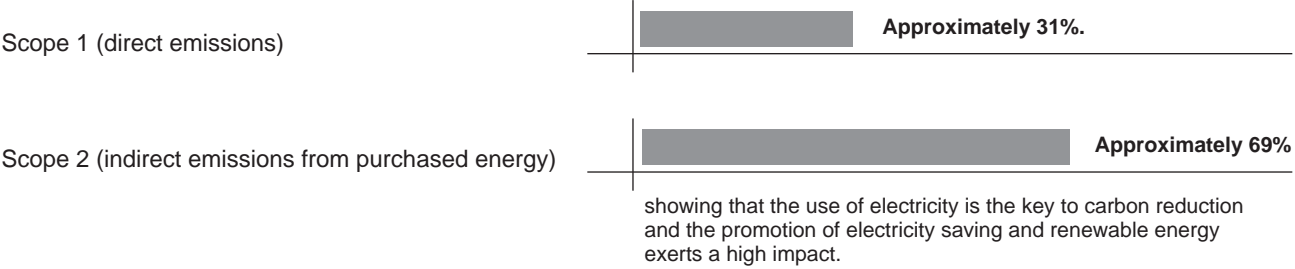
Status Quo of Greenhouse Gas Emissions

In accordance with the Ministry of Environment’s “Guidelines for the Inventory of Greenhouse Gas Emissions at the County/City Levels”, an inventory of the greenhouse gas emissions has been taken in residential and commercial, industrial, transportation, agricultural, and waste sectors of Hsinchu City. In 2023, the total emissions of the city reached approximately 6,530,000tCO₂e:

Sector	Emission sources and characteristics	Emissions (10,000tCO ₂ e)	Proportion
Residential and commercial sector	Mainly from energy consumption of buildings, e.g., electric power, gas, fuel, etc.; including emissions from lighting, air conditioning and use of electric appliances in buildings like residences, offices, shopping malls, and restaurants. Among them, the purchased electricity is the primary greenhouse gas emission source of the residential and commercial sector.	164	25.03%
Industrial sector	Including use of energy (e.g., fire coal, fuel oil and natural gas) from the fuel combustion in manufacturing and related industries as well as process emissions.	419	64.24%
Transportation sector	Mainly including greenhouse gas emissions from the combustion of fossil fuels or the use of electricity by transportation means in road transportation (steam locomotives, trucks and buses) and railway transportation (trains).	62	9.48%
Agricultural sector	Including intestinal fermentation of livestock and their excreta, crop cultivation and production, soil management, etc.	1	0.12%
Waste sector	Mainly including greenhouse gas emission from the processes of solid waste disposal (including landfill treatment and biological treatment), waste incineration, and wastewater treatment (including domestic sewage and industrial wastewater).	7	1.13%

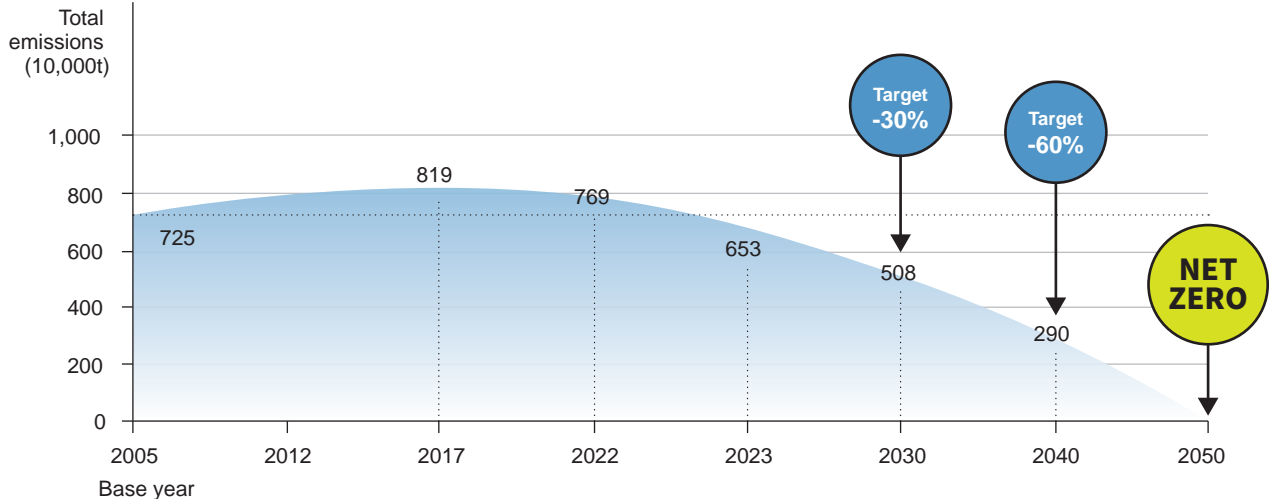


Proportions of Emission Scopes



Reduction Targets, Staged Achievements, and Net-Zero Emission Planning

Hsinchu City has set its staged targets using the exponential smoothing method with the emissions in 2005 (7,250,000tCO₂e) as the benchmark and its population, based on the historical data including capita income, electricity consumption and fuel carbon emissions, and with reference to the growth scenarios of electricity consumptions of Taiwan and the growth trends of renewable energy of Hsinchu City.



Hsinchu City Greenhouse Gas Reduction Targets and Emissions



According to the Hsinchu City 2050 Net Zero Emissions White Paper, and the annual achievement reports of the second-stage emission reduction implementation plan, the greenhouse gas emissions of Hsinchu City have declined year by year since 2018, and the carbon reduction targets of Taiwan by 2050 were achieved in 2023 in advance, demonstrating the remarkable results of the policy. The carbon reduction strategies adopted by each sector are as follows:

① Energy Sector | Renewable Energy

- Gradually increasing the installed capacity of renewable energy.
- Increasing the power generation capacity of incineration plants.

② Industrial Sector | Fuel Transformation x Industrial Emission Reduction

- Building a coal-free city, comprehensively phasing out coal-fired boilers, and promoting the conversion of oil-fired boilers to boilers using low-pollution fuel.
- Conducting greenhouse gas inventories in the industries and establishing science-based targets.
- Guiding industries to promote process improvement, equipment replacement and resource recycling, to enhance carbon reduction efficiency.

③ Residential and Commercial Sector | Energy Management x Energy Saving x Energy Efficiency System

- Promoting campus energy management system (EMS).
- Handling the replacement and installation of energy-saving equipment for the service industry (e.g., thermal insulation products, air-conditioning equipment, lighting equipment, air conditioner cleaning, etc.).
- Conducting inspections and diagnosis work for 20 categories of designated energy users and high-energy users.
- Boosting building designs that are environmentally symbiotic and prosperous, driving the energy saving and energy efficiency improvement of private buildings with guidance from the public sector, and advocating the building design of passive cooling.
- Establishing a building efficiency assessment and labeling system, with the target of making all newly constructed and public buildings in Hsinchu City reach energy efficiency level 1.

④ Transportation Sector | Public Transportation x Vehicle Electrification x Intelligent Traffic

- Encouraging people to take public transportation, issuing TPASS, improving the bus ridership in urban areas, promoting shared motorcycles, increasing YouBike stations, and building a low-carbon transportation network.
- Promoting vehicle electrification with the first fully electric bus route already launched, and targeting to realize full electrification of urban buses in 2030. Increasing subsidies for replacing old scooters with electric ones.
- Introducing an AI image recognition and signal control system and applying big data to analysis the characteristics of traffic flow and improve traffic congestion.

⑤ Environmental Sector | Environmental Greening x Resource Recycling

- Increasing the green area on campuses.
- Promoting a zero-waste circular economy, and building the first high-efficiency food waste treatment plant in Taiwan.
- Guiding the catering industry to provide recyclable food containers or beverage cups to reduce the use of disposable products.
- Increasing the connection rate of sewers to ensure that dedicated channels are provided for domestic sewage.

⑥ Agricultural and Fishery Sector | Natural Carbon Sink x Fuel Reduction

- Implementing the Green Environmental Payment Program and encouraging fallow farming and water-saving farming.
- Applying no-tillage or minimal tillage techniques to reduce soil carbon release.
- Promoting the fishing moratorium system to conserve marine resources and encouraging the use of low-carbon or zero-carbon fuels in fishing boats.
- Strengthening the recycling and reuse of discarded fishing nets and implementing marine debris governance.

Promotion Targets Resolved by the CSO Alliance and Achievements

In November 2024, the Executive Yuan held “Government CSO Alliance Consensus Camp” for the first time. CSOs from the central ministries, local governments, and state-owned enterprises gathered to discuss the setting of a position of “CSO” for the government, with the objective to strengthen the internal collaboration on sustainable development policies and promote the overall net-zero transformation of Taiwan.

Priority Projects of the Alliance

01

Gradually completing internal carbon inventory

Completing the greenhouse gas emission inventory of government agencies with the year 2024 as the base year, including fuel consumption of official vehicles (Scope 1) and purchased electricity (Scope 2). The actual emissions shall be confirmed through inventory-taking, and third-party verification is not required upon completion of inventory.

02

Implementing in-depth energy-saving diagnosis and execution

Providing energy-saving equipment with high CP value to users, e.g., air conditioners with energy efficiency level 1, LED, and IE4 motor, introducing intelligent energy management to make electricity consumption more efficient, and practically testing the effectiveness to ensure energy-saving benefits.

03

Replacing fuel-powered vehicles and comprehensively electrifying official vehicles

The government takes the lead in demonstrating the electrification of official vehicles, to improve “Vehicle Electrification and Decarbonization” in Taiwan’s Net Zero by 2050.

04

Completing building energy efficiency labeling and moving towards nearly zero-carbon buildings

To improve the implementation effect of energy conservation of buildings in Taiwan, the Ministry of the Interior has already established a building energy efficiency labeling system which has been implemented since January 1, 2022. The building energy efficiency levels are classified into levels 1-7 in descending order as a method for evaluating the building energy efficiency levels. Among them, buildings with energy efficiency level 1 and energy efficiency scoring scale ranking in the top 50% are classified as nearly zero-carbon buildings.

05

Improving green procurement and building a carbon reduction ecosystem

Purchasing products that have less impact on the environment and bear Green Mark with priority; strengthening the management of relevant domestic labels and newly added foreign labels, expanding procurement items that have positive environmental benefits, and covering renewable energy, electric vehicles, and LED light tubes; including the green connotations to each project and labor service purchasing, expanding the scope of recognition, and encouraging public servants to select hotels with Green Mark, use products made of recyclable resources, and choose activity places with green connotations.

06

Establishing exchanges between the public and private sectors and reforming the organizational culture



Targets and Staged Achievements of Hsinchu City

① Completing Internal Carbon Inventory and Establishing a Foundation for Data Governance

With the year 2024 as the base year, Hsinchu City has determined the municipal building of the city government as the boundary and calculated the activity data of stationary and mobile combustion sources, fugitive emission sources, direct emission sources from purchased energy, etc. in accordance with “Operation Manual for Greenhouse Gas Inventory of Government Agencies”. The emissions were about 1,002.111tCO₂e.



Municipal Building of the City Government as the Boundary of Internal Carbon Inventory

② Implementing In-depth Energy-saving Diagnosis and Advancing Energy Management

- Promoting campus energy management system (EMS) and assisting the monitoring of energy use; as of 2024, this system was installed in 271 classrooms of 32 schools, cumulatively.
- In 2025, we planned a total budget of approximately NT\$ 60.29 million to subsidize the improvement of air-conditioning installations in the teaching spaces of 18 schools and the installation, renewal and partial power improvement of air-conditioning facilities in large-scale assembly venues of 14 schools within the jurisdiction.

③ Comprehensively Electrifying Official Vehicles and Building Green Transportation

- In 2024, a fully-electric pilot bus route was initiated, connecting Hsinchu Station, National Tsing Hua University, National Yang Ming Chiao Tung University and Hsinchu Science Park and shortening the commuter time from 40 minutes to 20 minutes.



Hsinchu City Official Vehicle Electrification Promotion Plan Discussion Meeting

- In 2025, we have checked the number of official vehicles used by the government agencies in the city government. Specifically, there are 109 official cars, 1,027 special vehicles (e.g., patrol cars and scout cars of the Police Bureau, firefighting trucks and security vehicles of the Fire Bureau, ambulances, etc.), and 240 official motorcycles, with a total number of 1,376 official vehicles; among them, there are 48 purely electric special vehicles, 60 electric motorcycles, and 15 hybrid vehicles, totaling 123 vehicles that account for 8.94% of the total number of official vehicles. If special vehicles are not included, the electrification ratio of official cars is 2.75%, while that of official motorcycles is 25%, respectively. In May 2025, “Hsinchu City Official Vehicle Electrification Promotion Plan Discussion Meeting” was held to determine
- the goal of replacing the original official vehicles year by year and plan a ban on the purchasing and leasing of fuel-powered vehicles since 2026. The fuel-powered official motorcycles and cars will be comprehensively replaced with low-pollution vehicles by 2030 and 2035, respectively (excluding special vehicles).

④ Promoting Building Energy Efficiency Labeling and Moving Towards Nearly Zero-Carbon Buildings

- In accordance with the provisions of the “Operating Guidelines for Life Cycle Energy Conservation and Carbon Reduction of Public Building Projects”, the building energy efficiency system shall be included in the procurement contracts for new public buildings with the total construction cost reaching NT\$ 50 million or above.

⑤ Improving Green Procurement and Building a Carbon Reduction Ecosystem

- Since 2020, Hsinchu City has obtained “Excellence” award from the central government in the performance assessment of green procurement of government agencies for 4 consecutive years. In 2024, the award was promoted to “Outstanding” in the assessment of net-zero green life and comprehensive business.
- Public servants are encouraged to select hotels with Green Mark, products made of recyclable resources, and green activity places.



Purchasing of Green Products for the Office

- We encourage citizens, government agencies, schools, enterprises, etc. to protect the sustainable environment through concrete actions like green consumption, green office, green procurement, environment-friendly restaurants, and acquisition of the Green Mark.
- In 2025, there have been nearly 10,000 participants in the Green Point program, 138 environment-friendly restaurants, 5 hotels with Green Mark, 306 green stores, 1 travel agency with Green Mark, 84 government agencies and schools, and 180 private enterprises and groups responding to the green office initiative.

⑥ Establishing Exchanges Between the Public and Private Sectors and Reforming the Organizational Culture and Sustainable Governance

- We have established the “Hsinchu City Sustainable Development and Climate Change Response Promotion Office” as the dedicated unit and unified window of the city government for promoting sustainable development as well as coordinating the tracking of the achievements of the ESG matchmaking platform and the management and assessment of sustainable development indicators.
- Hsinchu City first established “ESG Matchmaking Platform” in September 2024, and proposed 36 cooperation issues in June 2025, involving a total of 12 SDGs, to promote sustainable cooperation between enterprises and the city government.
- In March 2024, Hsinchu City signed a MOU on local sustainable development practice with National Tsing Hua University.
- In May 2024, Hsinchu City held an ESG business exchange symposium with The Allied Association for Science Park Industries, and in November 2024, it held the first Hsinchu Science Park with National Tsing Hua University, to enhance the exchanges between enterprises and the city government and gather a consensus on cooperation.



The First Hsinchu Science Park ESG Forum





SPECIAL CHAPTER ON HIGHLIGHTS OF SECURE LIVING TECH

- Achievements of Cooperation with Enterprises
- Achievements of Cooperation with Academic Units
- Implementation Highlights of the Technology City



NOLOGY CITY

Achievements of Cooperation with Enterprises

The First ESG Matchmaking Platform in Taiwan

Cause and Purpose



ESG Matchmaking

Hsinchu City, known for its technological development, has attracted many famous local and foreign enterprises. To promote cooperation with enterprises and make joint efforts for ESG sustainable environment, we established Taiwan's first "ESG Matchmaking Platform" in September 2023, focusing on cooperation issues related to 12 UN SDGs. With the public release mechanism, this platform helps the city government and enterprises understand each other's needs, expands the visibility of the issues, urges enterprises to leverage their expertise, and facilitates them to address economic, social and environmental challenges through cooperation. This platform demonstrates the ESG spirit of enterprises to perform their social responsibility, promote public interests, and realize transparent governance. With these efforts, Hsinchu City can achieve net-zero sustainability and remain a happy and livable technology city.

Contents and Achievements

The city government has initiatively taken inventory of needs for sustainable governance, focused on the UN SDGs, proposed concrete cooperation issues, and extensively invited enterprises to participate. Enterprises may also proactively initiate cooperation issues based on their expertise and strategies and replace the previous cooperation model of one-way resource provision with two-way proposal submission and independent initiative. To achieve the disclosure of the platform information, publicity activities, briefing sessions or relevant forums for public disclosure have been utilized, so that enterprises can have a better understanding of the operation model and cooperation issues.

Statistics showed that the city government and enterprises submitted 36 proposals and 5 proposals, respectively, and engaged in discussions for 87 case-times. Staged achievements of 16 issues were disclosed at the dedicated zone for achievements on the ESG platform from the initiation of the platform to June 2025. The cooperation involves fields like environmental protection, health promotion and social inclusion. It has not only promoted the sustainable development of Hsinchu City, but also revealed enterprises' positive contributions to social responsibility.

The open and transparent information mechanism of the platform also allows citizens to effectively understand the progress and implementation effect of each cooperation issue and sense the concrete contributions and achievements of enterprises in realizing the ESG goals. The information disclosure of the platform has strengthened the trust between the city government and citizens, improved citizens' sense of identity and participation, promoted the social attention and support for corporate responsibility and further inspired more enterprises to take sustainable development actions.



Press Conference on the Release of Hsinchu City ESG Matchmaking Platform

Corresponding SDGs



1. Workplace Metabolic Syndrome Case Referral and Medical Resource Integration Program

Cause and Purpose

We encourage enterprise to make good use of government resources and strengthen three-level public health protection measures in the workplace environment. Through their original employee health checks, cases with abnormal results indicated in the health checkup reports will be referred to 66 contracted clinics under the Metabolic Syndrome Program in Hsinchu City. With the intervention of professional medical care, the awareness of the cases can be improved, the caregiving behaviors and metabolic control can be enhanced, and the risk of cardiovascular diseases can be lowered, to promote employees' health in the workplace.

Partners

Cyntec Co., Ltd., Wistron Corporation, Harvatek Corporation, Chunghwa Telecom Hsinchu Branch, Medimaging Integrated Solution Inc., Nyquest Technology Co., Ltd., Integrated Service Technology Inc., MIRLE Automation Corporation, Generalplus Technology Inc., Pacific SOGO Department Stores Co., Ltd. Hsinchu Jucheng Branch, HCT Logistics Co., Ltd., MACHVISION Inc., Fitipower Integrated Technology Inc. and DuPont Taiwan.

Contents and Achievements

We joined hands with relevant cooperative enterprise to hold a health education lecture on metabolic syndrome for 1-2 hours, and statistics showed that a total of 500 employees participated in the lecture. Subsequently, we followed up employees exposed to a high risk of metabolic syndrome and referred them to relevant cooperative hospital in the city. At the same time, relevant health education information has been provided and distributed widely in the company, including five standards for metabolic syndrome and maintenance of favorable lifestyles.



Physicians Invited to Hold a Health Education Lecture in the Workplace

Corresponding SDGs



2. Program for Quality Enhancement of School Education Resources and Environmental Improvement

Cause and Purpose

Schools in remote rural areas face challenges like insufficient teaching equipment and hardware facilities, a high turnover rate of teachers, and a digital learning gap due to geographical limitations and uneven distribution of resources. Consequently, children have fewer learning opportunities there; through cross-sector cooperation from all sectors of society, we manage to improve the quality of campus facilities and ensure that children in the remote rural areas can enjoy a fair and high-quality learning environment.

Hsinchu Fuli Junior High School has a history of 34 years, and some facilities in the school buildings are damaged. To this end, several enterprises cooperated with each other and provided the school with professional suggestions, in the hope that the old equipment and facilities on campus can be renovated, and the education environment of teachers and students can be bettered, to build a sustainable campus.

Partners

TSMC, Yankey Engineering Co., Ltd., and ProLex Office Furniture

Contents and Achievements

In February 2024, TSMC discussed a cooperation program with Hsinchu Fuli Junior High School; since April 2024, the utilities service department of TSMC cooperated with Yankey Engineering Co., Ltd. and ProLex Office Furniture to successively improve the old equipment on campus and better the education environment, including installation of night lighting for the archery range, replacement of school cabinets, desks and chairs, replacement of the air compressor in the skills class, campus IR SCAN and updating of campus LED lighting, etc.



Replacement of School Cabinets, Desks and Chairs

Corresponding SDGs



3. Impact Fengcha Station

Cause and Purpose

The “My Hong-Te” initiative launched by non-governmental organizations originated from a water refill map APP. Since its launch in 2020, 18,000 drinking water stations across Taiwan have been included. However, during the promotion process, it was found that there were always corners in Taiwan where healthy drinking water resources were absent. Therefore, a program called “Impact Fengcha Station” (Fengcha literally means tea serving) has been initially promoted. Through connection with social resources, excellent drinking water equipment has been provided, so that tourists, parents with children, outdoor sports enthusiasts, and water-drinking people who support a sustainable environment can drink good water and take good care of their health when going out. Besides, the hospitable spirit of the traditional free tea offering can be continued.

Partners

CircuPlus Ltd. and Edwards Technologies Limited

Contents and Achievements

We installed a water dispenser in the Hsinchu Zoo in January 2025, making it more convenient for citizens to drink healthy water, protect the environment and reduce the use of plastic bottles in their daily lives.



Impact Fengcha Station

Corresponding SDGs



4. Water Quality Improvement Cooperation Program

Cause and Purpose

The overall water environment shall be safeguarded with joint efforts from the whole society. Given the participation of communities, neighborhoods, enterprises and schools in the water environment protection work, Hsinchu City has promoted the establishment of water environment patrol teams and cooperated with enterprises to take part in water environment patrolling, including water body patrolling, creek and river cleaning, pollution reporting, environmental education, and development of featured water environments, aiming to build a friendly water environment.

Partners

Cheng Loong Corp. Hsinchu Plant, Taiwan Glass Ind. Corp. Hsinchu Plant, Far Eastern Big City Shopping Malls Co., Ltd. Hsinchu Branch, AUO Corporation, and VisEra Technologies Company Limited

Contents and Achievements

There are five enterprise-based water environment patrol teams which continually conduct patrols within the water body areas, monitor water quality, and engage in creek cleaning work, to effectively safeguard the water quality of the water environment.

- In 2015, Cheng Loong Corp. Hsinchu Plant established a water environment patrol team, with the patrolling range from Keya Creek Landscape Bridge to Niupu Bridge.
- In 2016, Taiwan Glass Ind. Corp. Hsinchu Plant established a water environment patrol team, with the patrolling range from Sanxing Bridge of Sanxing Creek to the estuary.
- In 2018, Far Eastern Big City Shopping Malls Co., Ltd. Hsinchu Branch established a water environment patrol team, with the patrolling range from the drainage ditch besides Sanmin Park to the intersection of Dongda Road at the upper reaches.
- In 2024, AUO Corporation established a water environment patrol team, with the patrolling range from Green Grass Park of Keya Creek to the border of Hsinchu County.
- In 2025, VisEra Technologies Company Limited established a water environment patrol team, with the patrolling range as Xipuzi Artificial Wetland.



Creek Cleaning Activity of the Water Environment Patrol Team

Corresponding SDGs



5. Water Quality Purification of the Xipuzi Drainage System in the Touqian River Basin

Cause and Purpose

Due to the geographical location and rainfall patterns, the coastal area on the west side of Hsinchu City relies on inter-basin water diversion to stabilize water supply. To improve the resilience and diversity of the local water sources and in response to the water demand arising from industrial development, water quality purification facilities and relevant works have been installed, to improve the environmental quality of the discharged water bodies and promote the sustainability of regional water resources.

Partners

Google ◦

Contents and Achievements

Taking the lead in Taiwan, Hsinchu City joined hands with the Ministry of Environment and Google to promote the gravel contact oxidation process (GCOP) water quality purification facility for the second branch of the Xipuzi drainage system in the Touqian River Basin. The planning and design work was entrusted to Stantec, a company with over 30 years' river improvement experience in Taiwan. Through the GCOP system in which natural gravel is mainly used as a natural solution, the pollutants in the water, e.g., biochemical oxygen demand (BOD), ammonia nitrogen ($\text{NH}_3\text{-N}$) and suspended solids (SS), can be effectively removed, to restore the Touqian River and create a cleaner and healthier natural environment for citizens.

Google has injected relevant resources to support the construction of the water quality improvement project and its operation and maintenance in the next decade. The project is expected to be completed by the end of 2026, and operation and benefit monitoring will be launched for a decade starting from 2027, to ensure that the purification facilities can function for a long term and the goals of water quality improvement and sustainable development can be achieved.



Diagram of Water Quality Purification of the Touqian River Basin

6. Air Quality Purification Zone Adoption, Cleaning, Maintenance and Replanting Program

Corresponding SDGs



Cause and Purpose

An air quality purification zone can maintain good air quality, and it is a place for sports and recreation with the function of ecological education. To improve the environmental quality of the air quality purification zones in Hsinchu, enterprises are encouraged to adopt air quality purification zones to perform their social responsibility and establish favorable interactive relationships with the local neighborhoods, thus jointly creating a livable and sustainable city.

Partners

1. PX Mart International Limited Hsinchu Branch (adoption of Nanya Ecological Park)
2. Wafer Fabrication Plant II of Vanguard International Semiconductor Corporation and Qianjia Park Environmental Volunteer Team (adoption of Qianjia Section Air Quality Purification Zone)
3. Phoenix Silicon International Corporation (adoption of Fishing Harbor Ecological Park)
4. Macronix International Co., Ltd. (adoption of the environmental cycling track)
5. Powerchip Semiconductor Manufacturing Corporation (adoption of Nanliao Ecological Sports Park)
6. Novatek Microelectronics Corp. (adoption of Hai Tian Yi Sian Scenic Area)

Contents and Achievements

There are 6 air quality purification zone in Hsinchu City with an adoption rate of 100%. The adopting enterprises usually assist in maintaining the cleanliness of these zones. Statistics indicated that the maintenance work was executed for approximately 20 times a year; given the excellent promotion effect of air quality purification zone adoption business and the adopting enterprises' earnest performance, the Environmental Protection Bureau of Hsinchu City continually won the award of excellent unit to promote air quality purification zone adoption in 2022 and 2023.

Among them, the adopting units of Qianjia Section Air Quality Purification Zone, i.e., Vanguard International Semiconductor Corporation and Qianjia Park Environmental Volunteer Team, won the special honor of "Excellent Air Quality Purification Zone Adopting Unit" for 5 consecutive years. Besides, in 2024, more than 20 rhinoceros beetles appeared in the Qianjia Section Air Quality Purification Zone, proving successful ecological maintenance. Besides, the Formosan Ash trees in this zone will be continuously restored, to make this place a paradise for rhinoceros beetles.



Restoration of the Rhinoceros Beetle Ecology at Qianjia Section / Cleaning Activity by People from the Adopting Enterprise

Corresponding SDGs



7. Program for Assisting Environmental Protection Volunteers in Cleaning and Maintenance

Cause and Purpose

To create a clean and comfortable living space in the city and promote the concept of environmental maintenance, Hsinchu City has been actively promoting the establishment of environmental volunteer teams in each village or community, and providing each environmental volunteer teams with relevant resources for environmental cleaning and maintenance. Through cooperation with enterprises, we jointly handle clean activities, not only improving the participation and environmental awareness of the people, but also enhancing the sense of community identity and cohesion.

Partners

Gallant Precision Machining Co., Ltd.

Contents and Achievements

In September and December 2024, employees from Gallant Precision and their family members participated in the cleaning activities held by the environmental volunteer team of Xiangong Village and provided relevant material subsidies to jointly safeguard the community environment.



Volunteer Cleaning Activity





Corresponding SDGs



8. Street Cleaning Activity

Cause and Purpose

DEKRA iST Reliability Services Inc. held a street cleaning activity for public welfare to perform its corporate responsibility, strengthen the cohesion among its employees, and contribute to the environment of Hsinchu City.

Partners

DEKRA iST Reliability Services Inc.

Contents and Achievements

In October 2024, DEKRA iST Reliability Services Inc. called on more than 60 colleagues and their family members to clean the Confucius Temple and surrounding parks in Hsinchu City in response to the green action. This activity enhanced participants' awareness of the importance of environmental protection, set a positive example and delivered positive environmental protection information to society, and showcased the enterprise's ability to fulfill its social responsibility.



Participation of Employees of DEKRA iST and Their Family Members in a Street Cleaning Activity

9. Program for Corporate Volunteer Fire Organizations' Adoption of Training Facilities in Hsinchu City's Fire Protection Education and Training Bases

Corresponding SDGs



Cause and Purpose

Besides the provision of education and training for firefighting personnel from all counties and cities across Taiwan, the fire protection education and training bases in Hsinchu City offers customized training courses to satisfy the training needs of large enterprises, high-tech enterprises, and governance agencies and organizations in Taiwan. Through adoption of training facilities by corporate volunteer fire organizations, a channel is provided for enterprises to fulfill their social responsibilities. At the same time, through the training courses, the initial disaster response and handling capabilities of the enterprises' emergency response teams (ERT) can be enhanced, and hopefully, the goals of industrial safety without accidents, no casualties in disasters, and zero air pollution can be achieved.

Partners

United Microelectronics Corporation, Macronix International Co., Ltd., Realtek Semiconductor Corp., Vanguard International Semiconductor Corporation, AUO Corporation, Accton Technology Corp., Science Park Logistics Co., Ltd. Hsinchu Science Park Branch, and Jin Join Rone Technology Corporation

Contents and Achievements

In August 2024, we signed MOUs with representatives from 5 enterprises (United Microelectronics Corporation, Macronix International Co., Ltd., Realtek Semiconductor Corp., Vanguard International Semiconductor Corporation, and AUO Corporation). In August 2025, Accton Technology Corp., Science Park Logistics Co., Ltd. Hsinchu Science Park Branch, and Jin Join Rone Technology Corporation joined in, increasing the number of participating enterprises to 8; by adopting Hsinchu City's fire protection education and training bases and injecting resources to maintain the training facilities in each training base, these participants have enabled the bases to realize sustainable management, continually benefited park enterprises and national disaster prevention and rescue units, and provided enterprises' response personnel with emergency rescue training to address fires and chemical disasters.



Signing MOUs with Enterprise Representatives / Training of Corporate Volunteer Fire Organization

Corresponding SDGs



10. Green Life and Environment-Friendly Gas Station Promotion Program

Cause and Purpose

To reduce pollution and establish environment-friendly gas stations within the jurisdiction of Hsinchu City, we have leveraged relevant resources provided by enterprises to strengthen measures like addition of vapor recovery hoods and post-treatment equipment in Hsinchu, improve the surrounding environment, establish favorable interaction with the people, and jointly promote green life and environment-friendly gas stations.

Partners

Nuvoton Technology Corp. and Ennostar Corporation

Contents and Achievements

We jointly discussed and implemented air pollutant reduction strategies with cooperative enterprises which donated a total of 250 vapor recovery hoods. Statistics indicated that, after the addition of vapor recovery hoods, the emissions of VOCs could be reduced by approximately 4.6t/year based on the amount of fuel dispensed.



Hood Installation

11. Siangshan Wetland Green Tourism Program

Corresponding SDGs



Cause and Purpose

As an important wetland in Taiwan and the coastal wildlife protection area in Hsinchu City, Siangshan Wetland boasts abundant ecological resources. Over the years, Hsinchu City has been actively maintaining the habitat ecology. In addition to long-term wetland ecological monitoring and investigations, remediation and clearance of mangrove forests, and environmental cleaning and maintenance, we have also invited enterprises to jointly participate in the wetland restoration actions. With the assistance from the enterprises, we have carried out the maintenance and improvement of the Jincheng Lake Habitat and gradually extended the maintenance to the whole wetland. By doing so, we have provided a channel for enterprises to fulfill their social responsibilities, and promoted ecological and environmental education based on the wetland ecology, to improve enterprises' natural environment literacy.

Partners

E Ink Holdings Inc. and United Microelectronics Corporation

Contents and Achievements

- In May 2024, Hsinchu City signed a MOU with E Ink Holdings Inc., and E Ink Holdings Inc. donated 5 colored electronic paper notice boards which were set up in famous tourist spots like Jincheng Lake and Crab Viewing Trail in Siangshan Wetland, to provide wetland management notices, ecological information, tour guides and activity information.
- In May 2025, United Microelectronics Corporation called on 45 employees to remove about 1.5 hectares of Chinese dodder seeds in the sand dunes in Siangshan Wetland and cleaned up about 100 kilograms of garbage along the coast.



Siangshan Wetland / Beach Cleaning Activity of United Microelectronics Corporation



12. Program for Animal Environmental Enrichment Facilities of Hsinchu Zoo

Cause and Purpose

To improve the benefits for animals in Hsinchu City, we have cooperated with relevant enterprises to support a program for animal environmental enrichment facilities of Hsinchu Zoo, provided a channel for enterprises to fulfill social responsibility, assisted in the addition of materials and equipment needed for enriching the animal environment, and upgraded the quality and level of animal care in the zoo.

Partners

ASML Taiwan, YoungTek Electronics Corp., VisEra Technologies Company Limited, Solid State Storage Technology Corporation, COACH, Rohde & Schwarz Taiwan, and Yu-Chen System Technology Corp.

Contents and Achievements

- In July 2024, 30 engineers from ASML Taiwan created environment enrichment toys for the tiger "Kun Bao" and guinea pigs, to promote the physical and mental health of the animals.
- In September 2024, YoungTek Electronics Corp. organized 20 colleagues who loved animals to make exclusive nutritionally balanced mooncakes for the animals at Hsinchu Zoo with the keepers there to celebrate the Mid-Autumn Festival in advance, enriching the animals' feeding and reducing their stereotypical behaviors.
- In October 2024, ASML Taiwan called on 60 colleagues who loved animals to make various animal toys with ingenious ideas and plant trees in the park, to increase the green shaded areas in the park and allow the people to enjoy beautiful flowers.
- In October 2024, members of the ESG team of VisEra Technologies Company Limited made 3 exclusive toys for raccoons, allowing the animals to explore new toys and stimulate their original instincts.
- In December 2024, Solid State Storage Technology Corporation organized 30 engineers to build a "jumping platform" for chinchillas from South America and designed "food hiding bags" for orangutans, Formosan rock macaques and long-tailed macaques using recycled fire hoses, to reduce the animals' stereotypical behaviors.
- In April 2025, Mr. Li, Te-Hsien, the general manager of Coach Taiwan, led 20 colleagues to make exclusive toys for 3 animals, i.e., tigers, sun bears and raccoons.
- In May 2025, Rohde & Schwarz Taiwan organized 120 employees and their family members to make customized behavior-enriching toys for animals like raccoons, Formosan rock macaques, tigers, orangutans, long-tailed macaques and meerkats.
- In June 2025, Yu-Chen System Technology Corp. organized 30 employees and their family members to make exclusive toys for meerkats and long-tailed macaques.



Mooncakes Exclusive to Animals

Corresponding SDGs



13. Adoption for the Maintenance of Outdoor Planting in the Naluwan Culture Center

Cause and Purpose

The Naluwan Culture Center was completed and put into use at the end of 2021, and it becomes a popular outdoor parent-children scenic spot along the 17-kilometer sightseeing coastline. Through cooperation with relevant enterprise and relying on the joint efforts of tribes and neighborhoods, we maintain the cleanliness of the site and the maintenance of planting together, creating a high-quality leisure space. Also, based on the enterprise's education and publicity activities, a place with rich connotations of environmental education has been created.

Partners

Trans-universe Radio Corp.

Contents and Achievements

In November 2024, through cooperation with Hsinchu-Miaoli Youth Volunteer Center under Trans-universe Radio Corp., we organized a youth tree planting activity at Naluwan Culture Center and invited young people to take tree-planting actions for greening and beautification to increase the shade in the Indigenous culture center, strengthen the ecological green resources, and reduce the urban heat island effect. Also, by introducing the characteristics of trees planted, we managed to improve the understanding of the youth about friendly environment and the recreation area in Naluwan.



Youth Tree-Planting Activity



Achievements of Cooperation with Academic Units

Corresponding SDGs



1. Signing a MOU with National Tsing Hua University on Local Practice of Sustainable Development

Cause and Purpose

The city government has been actively promoting sustainable development policies, and National Tsing Hua University is one of the places for local talent cultivation and knowledge innovation in Hsinchu City. By signing this MOU, the two parties will gradually launch cooperation in three major aspects, “Education, Training and Learning, Resource Inventory and USR Program Support, and Establishment of a Demonstration Place for Sustainable Development”. Focusing on education, training and learning, they will continually organize sustainability-related activities and courses, and provide professional capacity training resources and activity venues for each other; at the same time, the city government will check relevant resources to support National Tsing Hua University for implementing the University Social Responsibility (USR) program, promote cross-unit cooperation and communication, and jointly formulate concrete plans, thereby building a secure living technology city with local characteristics and sustainable development.

Partners

National Tsing Hua University

Contents and Achievements

① Signing of a MOU and Presentation of a Cooperation Intention Plaque

In March 2024, the two parties signed a MOU on “Local Practice of Sustainable Development”. The city government offered a cooperation intention plaque made of recycled wood and symbolizing sustainability to the university, to contract a vision of an ever-lasting environment and establish a communication bridge between the two.



Signing Ceremony of MOU on Local Practice of Sustainable Development with National Tsing Hua University

The city government and National Tsing Hua University will strengthen the education of knowledge on sustainable development and integrate resources, jointly promote work related to the local sustainable development and climate change response, and balance economic development and environmental protection, to build a happy, friendly, livable and sustainable city together.

② Sustainability Education Courses

In March 2024, Prof. Fan, Chien-Te from the Institute of Law for Science and Technology, National Tsing Hua University gave a lecture titled “Observing the Global Net Zero Trend and Taiwan’s Response from COP28 and Their Inspirations for Hsinchu City” for the city government team. As a member of the “1st Carbon Fee Rate Review Council” employed by the Ministry of Environment, Prof. Fan shared his experience and viewpoints from his participation in the COP28 and expected that the city government team would improve their thinking level when discussing, formulating and planning each policy, and always adhere to the principle of people orientation, to achieve the carbon reduction targets more effectively.

In June 2024, Prof. Cheng, Kuo-Tai from the Department of Environmental and Cultural Resources, National Tsing Hua University gave a lecture titled on “Relevancy of SDGs and ESG” for the city government team, and explained the global sustainable development strategies and trends, so that relevant bureaus and departments of the city government may establish ESG-related proposals to assist enterprises in aligning with the international market, thereby improving the sustainability literacy of government officials and refining the substantive contents of the proposals.

③ USR Program Cooperation

A University Social Responsibility (USR) program is committed to combining academic resources with local needs and jointly designing solutions, to benefit the promotion of social sustainable development. Also, it aims to cultivate students’ practical capabilities and increase the contributions of universities to society through industry-government-university collaboration, education innovation and community participation; to expand the influence of the cooperation, the city government and National Tsing Hua University held a USR cooperation consultation meeting in August 2024, with the objective to strengthen diversified cooperation and promote local development and sustainable prosperity.

④ The 13th Congress of the Asian Association of Environmental and Resource Economics

In August 2024, “The 13th Congress of the Asian Association of Environmental and Resource Economics” was held at National Tsing Hua University with the theme of “cross-regional cooperation and net-zero emissions). Focusing on the governance approach of “public sector leading private sector, industry cooperation, and citizen participation”, Hsinchu City has actively cooperated with local enterprises and schools to establish long-term partnerships, and the industries, the government and the academia in the city jointly contribute to the improvement of the life and environmental quality of the people.



Congress of Asian Association of Environmental and Resource Economics

⑤ The First Hsinchu Science Park ESG Forum

In November 2024, Hsinchu City joined hands with National Tsing Hua University to hold “Hsinchu Science Park ESG Forum” and “A Happy Local Match: Gratitude Meeting for the Exhibition of USR Achievements of National Tsing Hua University”. Enterprises in Hsinchu County, Hsinchu City, and Hsinchu Science Park, National Tsing Hua University, and non-governmental organizations that have been working hard for a long time gathered at the event to enhance the exchanges of sustainability thinking and improve the sustainable image of the city government through special topic discussions and sharing and communication of sustainability guidelines.

⑥ Literary Walking in Hsinchu

National Tsing Hua University has been promoting the program of “Literary Walking in Hsinchu”. 5 routes were planned and surveyed in the first phase, and the university cooperated with Hsinchu City on the “Qing Dynasty Scholars Road”; in June 2025, 5 new routes were opened in the second phase, and the university cooperated with Hsinchu City on 2 routes, i.e., “Gaofeng Nostalgia Walk” and “Xipuzi Wetlands: Embracing the River”. Through combination with technology and traditions, people can use mobile phone APP guides and participate in augmented reality games, to immerse themselves in experiencing the local beautiful scenery and cultural heritage.



10 Routes Expanded for Literary Walking in Hsinchu

⑦ The 65th National Primary & High School Science Fair

In July 2025, Hsinchu City held the “65th National Primary & High School Science Fair” that hasn’t been held in this city for 26 years. We collaborated with multiple parties including the Ministry of Education and National Tsing Hua University, and the event attracted over 1,200 students and nearly 700 teachers with a total of 445 excellent works. The campus of National Tsing Hua University was used as the main exhibition venue, and the city and the university jointly planned diverse activities like “Journey of Science”, “Science Fair”, “Teachers’ Professional Workshop” and “Night of Science Exhibition”, providing the participating students and teachers with rich learning experiences and enabling them to feel the diverse local features of Hsinchu City.



National Primary & High School Science Fair IN Hsinchu

Corresponding SDGs



2. Creating a New Chapter in Education through Industry-Government-University Collaboration

Cause and Purpose

To carry out the governance vision of “Good Education Environment in Hsinchu and Learning with Peace of Mind” and respond to the future technological trends in the fields like AI, big data, high-tech industries, and space technology, Hsinchu City has planned and established “Hsinchu Municipal Digital Experimental Senior High School”, aiming to build a forward-looking and diversified educational venue and cultivate talents with practical capabilities, international vision and technological literacy.

Partners

Hsinchu Municipal Digital Experimental Senior High School, National Tsing Hua University, National Yang Ming Chiao Tung University, and Straight A Inc.

Contents and Achievements

In March 2024, we held a “Press Conference on the Description of Characteristics of the Digital Experimental Senior High School and Industry-Government-University Collaboration” and signed MOUs with National Tsing Hua University, National Yang Ming Chiao Tung University, and Straight A Inc. The contents of cooperation cover the planning of off-campus tasks, required courses with characteristics of service learning, and diversified elective courses. Also, resources like teacher support, empowering study and learning, study visits, and hands-on experiences have been provided, to jointly expand students’ learning horizons and hands-on opportunities.

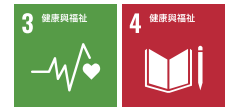
Hsinchu City has invested significant resources in the preparation and establishment of this digital experimental senior high school which will not only provide course learning, but also enable students to participate in university professors’ lectures and enterprises’ laboratory training and equipment operations through cooperation with universities and enterprises, so that they can explore the workplace demand in advance and practice the education philosophy of “The entire city is my classroom”.



Press Conference on the Description of Characteristics of the Digital Experimental Senior High School and Industry-Government-University Collaboration

3. “AI Learning for the Children and the Elderly” to Promote Co-Learning and Intergenerational Well-being

Corresponding SDGs



Cause and Purpose

In response to the trend of an aging society, we have strengthened the connection with community care resources and implemented local care and age-friendly actions through enterprise mobilization and crossover cooperation, and combined education and health with AI interactive games and dynamic measuring tools, to improve people's physical functions and social participation in an interesting and educational manner.

Partners

National Yang Ming Chiao Tung University, Da Chuang Primary School, TSMC Charity Foundation, and Chang Gung Memorial Hospital

Contents and Achievements

In August 2024, we held a volunteer activity of “AI Learning for the Children and the Elderly with Continuous Care” at Siangshan Community Development Association, and assisted 20 senior citizens from Da Chuang Village to understand the beneficial body stretching, the functions of testing and early warning, and health promotion. Also, 23 children from Da Chuang Primary School were invited to participate in the activity, thereby promoting the co-learning and enjoyment between the elderly and their grandchildren.

Undergraduates from National Yang Ming Chiao Tung University guided children from Da Chuang Primary School to design EDGE AI fun rhythm and invited community elders to take part in the game. At the same time, Prof. Chang, Cheng-Neng and Director Yan, Chun-Lin from Chang Gung Memorial Hospital introduced technological detection techniques into the activity, aiming to create a friendly and healthy environment with technological wisdom; additionally, in response to the promotion of the triangular model of elderly care (enterprises, hospitals/universities, and communities) by Ms. Sophie Chang, the chairperson of TSMC Charity Foundation, the material management organization of TSMC joined hands with 5 suppliers and 37 TSMC volunteers to participate in this event.



The Activity of “AI Learning for the Children and the Elderly with Continuous Care” / Community Elders' Experience in Programming Games

Corresponding SDGs



4. “Repair over Replacement” Series Activities

Cause and Purpose

Students from National Tsinghua University founded a non-profit organization called “Fix and Chat” which gives a new life to damaged small household appliances and regains their functions through free repair services. Besides, people can learn about the basic skills for maintaining and repairing household appliances and items, making “repair instead of purchasing” a part of their daily lives. The university and the city government jointly practice resource recycling and sustainable life through this organization.

Partners

National Tsing Hua University-Fix and Chat

Contents and Achievements

① Waste-free Market

Hsinchu City holds a waste-free market activity every year, and adopts a “free sharing” method of “no exchange, no money”, allowing people to share old items and look for treasures. Meanwhile, we join hands with “Fix and Chat” organization of National Tsing Hua University to provide onsite services. Students and volunteers from the university helped repair people’s damaged household appliances free of charge, to extend the service life of these items and reduce the generation of waste.

② Repair Store

Hsinchu City has promoted repair store series activities through collaboration with Hou Shih Community (Hou Shih literally means delicious), Hsinchu Branch of Forestry and Nature Conservation Agency, Ministry of Agriculture, WD-40 and “Fix and Chat” organization of National Tsing Hua University. The activities focused on 5 highlights, i.e., repair store exhibition, free repair consultation, lecture and hands-on courses, “Repair Challenge”, and international sharing program. The activities combined environmental protection education, skill inheritance and parent-child interaction. Through learning and repair experiences, we tried to inspire the participants’ interest and enthusiasm for repair with a sense of achievement, and extend the service life of toys and small household appliances, with an emphasis placed on the spirit of environmental protection in daily life.



“Repair over Replacement” Series Activities

Implementation Highlights of the Technology City

Corresponding SDGs



1. Good Education Environment in Hsinchu: Smart Campus

Cause and Purpose

To improve the learning environment and teaching effectiveness in primary and secondary schools, Hsinchu City promotes the use of digital devices among teachers and students, including “pads for every student, large screens in every classroom, and one digital device for every teacher”, to realize a more flexible and efficient learning environment. We hope to solve the problems of low participation and resource gap faced in traditional teaching, and will assist teachers in bettering their digital teaching capabilities and further promoting the innovation and transformation of teaching models; additionally, we joined hands with the Ministry of Education in 2024 to promote the program of “Application of Digital Learning Enhancement Plan in Primary and Secondary Schools and Classes” which was designed to improve students’ learning experiences and participation by introducing a teaching model featuring low course configuration and high interaction.

Contents and Achievements

① Smart Classroom

Hsinchu City has always been at the forefront in Taiwan after promoting digital learning. Schools at all levels have gradually established smart classrooms, with everything effectively implemented from hardware construction and teaching application to learning effect evaluation. Teachers are able to implement interactive teaching through large-screen equipment and digital devices, while students can answer questions promptly by using pads and engage in exploratory learning through group discussion, data search and APP operation, thus significantly improving learning participation and effectiveness.



Pads for Every Student



Sharing and Exploration of Smart Education by Teachers Taking the Lead and Teachers with Potential in Digital Teaching / Group Photo of the Ministry of Education's School and Class Application Program

② Digital Teaching and Study to Train Teachers with Potential and Practice Diversified Teaching

By performing operations on the digital learning platform and engaging in digital teaching and study, teachers taking the lead and teachers with potential may jointly participate in the application of the digital platform to research and develop digital teaching plans based on disciplines. Also, through the application of digital tools, they are expected to optimize their teaching quality and continually rethink and adjust, to guarantee the stable improvement of students' learning effectiveness, maximize the teaching benefits, and light up every brilliant moment on smart campuses.

Corresponding SDGs



2. 5G Smart Learning

Cause and Purpose

Hsinchu City is actively building a smart campus environment equipped with high-efficiency digital equipment and flexible teaching spaces, and hope to truly integrate technology into classrooms by promoting 5G smart learning. Teachers are encouraged to make innovations in teaching, and students' digital literacy and self-learning ability are expected to be enhanced, to realize the in-depth integration of technology and learning.

Contents and Achievements

In 2025, a total of 12 primary and secondary schools in Hsinchu City participating in the Ministry of Education's "5G Smart Learning School Program in 2025". Among them, Shui Yuan Primary School won "Digital Learning Pilot Award" with its "Leek Scientist" course in combination with the local agricultural characteristics; Tungmen Primary School won "Learning Effectiveness Excellence Award" with a course design that integrates the "RIVER Five Powers" literacy and diversified platform operations; Gangnan Primary School won the "Pilot Award" in the poster group with its localized "Attending School at Gangnan" course and AI digital application; Sanmin Junior High School won "Learning Effectiveness Excellence Award" in the poster group; Jiadong Primary School won the "Best Popularity Award" with its thematic course of "Butterflies Dancing in Jiadong 2.0".



Fruitful Results in the Appraisal of Achievements of 5G Smart Learning School Program

Additionally, the Ministry of Education held “2025 Exchange Meeting on the Exhibition of Achievements from the Demonstration Teaching and VR Teaching Materials of 5G New Technology Empowered Learning”. Primary and secondary schools from 21 counties and cities across Taiwan participated in the event and showcased their innovative teaching achievements in terms of VR, XR and education metaverse. Among them, Hsinchu Sunshine Elementary School in our city attracted much attention with its learning program that had integrated 5G and VR technologies. This program not only significantly improved students’ academic performance, but also won an award in the national VR competition; Hsinchu Municipal Ching Tsoo Hu Primary School won three special awards, including “Teaching Practice Award”, “Full Attendance Excellence Award” and “Feedback Model Award”, demonstrating its excellent teaching achievements.

Hsinchu City has presented remarkable performance in course design, application of digital tools, learning achievements, and teaching innovations, fully revealing the high adaptability and executive ability of the education field under the trend of intelligence.



VR Teaching / 5G New Technology Empowered Teaching

Corresponding SDGs



3. Urban Development 3D Information Platform

Cause and Purpose

To implement the spirit of openness, data transparency and participation advocated by the government, Hsinchu City has introduced a planning concept of smart city and established a single integrated urban development information platform. This platform integrates information and drawings related to national land space as originally scattered among different government agencies, to enhance the accuracy and efficiency of citizens and government agencies in urban development planning, land use administration, and decision-making analysis and to practice smart city governance oriented by sustainable development.

Contents and Achievements

In 2022, Hsinchu City integrated land information like “urban planning, urban design and development, urban renewal, building management, and land administration” and established a brand-new “Hsinchu City Urban Development Information Integration Platform”. With just one click, users may query various kinds of information related to space utilization for each lot of land. This platform has substantially made it convenient for government agencies, professional users and the public. The platform has been cumulatively used for more than 560,000 person-times.

In 2024, we innovatively established “Urban Development 3D Information Platform). Upgraded from 2D platform to 3D platform, this new platform provides 24 kinds of 3D visualized information and over 10 types of scenario simulation analysis and application functions, thus depicting the urban spatial environment of Hsinchu City in a more realistic manner and improving the accuracy and efficiency of citizens and government agencies in urban development planning, land use administration, and decision-making analysis.



Urban Development 3D Information Platform

Corresponding SDGs



4. Real-Time Air Quality Monitoring Network

Cause and Purpose

To strengthen air quality monitoring and real-time response capabilities, Hsinchu City has actively applied technology to strengthen air quality monitoring and governance and installed 300 micro-sensors with the highest density in northern Taiwan, making it the only county-level city in Taiwan capable of giving automatic warnings around the clock and dispatching inspectors in a real-time manner; additionally, we launched the “Real-Time Air Quality Monitoring Network” in March 2023. Through the utilization of big data and IoT, we can proactively stay updated with changes in air quality and track pollution sources, as well as provide real-time information to citizens.

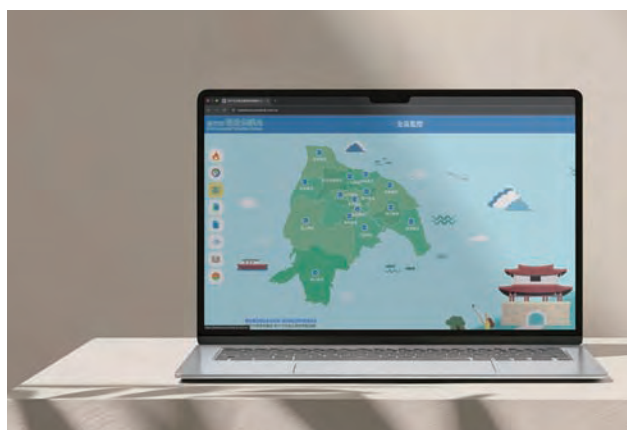
Contents and Achievements

Through the real-time air quality monitoring network, we have successfully converted the traditional passive inspection to an active intelligent governance model. Besides, relying on the warning system, we can dispatch inspectors in a real-time manner and effectively screen suspicious pollution sources and trace the sources of air pollution incidents; at the same time, the real-time air quality monitoring network can be used for real-time response to fire incidents. Based on the data from micro-sensors and through wind field analysis, we can quickly study and judge the scope of influence and areas that may be affected subsequently. Furthermore, network notification maps and cards have been produced to provide the public with the first-hand real-time information and protective measures.

Additionally, the real-time air quality monitoring network presents the PM_{2.5} concentration of 15 adjacent villages in the city in a real-time manner, providing references for citizens when they go to work, do exercises and go out. As a result, the environmental information becomes transparent and open, enhancing citizens' participation and self-protection awareness. In 2024, the platform was visited by 37,000 person-times, and became an important basis for citizens to query air quality.



Real-Time Air
Quality Monitoring
Network



Air Quality Micro-Sensor / Air Quality Monitoring Network



5. Hsinchu City Happiness and Livability Network 2.0

Cause and Purpose

To realize the vision of creating a secure living technology city, actively promote smart city governance, and strengthen citizens' service experiences with digital tools, Hsinchu City launched "Hsinchu City Happiness and Livability Network 2.0" in December 2023, becoming the first place in Taiwan to build 3D property right models based on cadastral survey map data, realizing the three-dimensional display of actual housing price registration data, integrating the map data of Hsinchu County across different fields, and achieving information sharing and one-stop query in the Greater Hsinchu life cycle.

Contents and Achievements

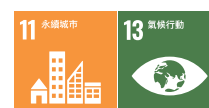
According to the statistics, the platform has been browsed by over 130,000 person-times since it was updated in December 2023 and as of February 2025, showing citizens' recognition of smart map data services. Based on cadastral data, the platform integrates five map layers (a total of 149 layers of map data), i.e., urban planning maps, topographic maps, aerial photos and Google Street View, as well as four major functions (with 37 options). Through the smart map management, we can provide the latest information related to land and buildings in a real-time manner. At the same time, after the updating of the interface, the version 2.0 has been especially upgraded to a graphical symbol design and a simple and direct UI interface, allowing citizens to easily acquire information related to land administration.

The effectiveness of the platform has been deeply recognized. In 2024, it won the 20th "Golden Map Award" from the Taiwan Geographic Information Society, the 10th "Golden Boundary Prize" from the Chinese Society of Cadastral Survey and the 1st "Spatial Information Sustainable Application Award" from the Chinese Geoinformatics Society, respectively.



Hsinchu City Happiness and Livability Network 2.0 / Three Awards

Corresponding SDGs



6. Official Operation of Smart Bus Signs

Cause and Purpose

To make it more convenient for citizens to take public transportation and improve the efficiency of information acquisition, Hsinchu City has promoted the use of smart bus signs which can display information like the estimated time of arrival, date, and time in a real-time manner. Therefore, the waiting passengers can stay updated with the bus schedules at any time, and shorten their waiting time. At the same time, as a medium for disseminating municipal publicity information and public event information, these bus signs enable citizens to learn the latest urban developments and government announcements while waiting for the bus.

Contents and Achievements

In November 2024, the first smart bus sign in Hsinchu City was officially put into use at the Dongmen Market Station. As of March 2025, 78 smart bus signs were installed, covering demonstration sections like Blue Line 1 (local route), No. 182 Bus, and pilot bus. The smart bus signs feature bright colors and low power consumption. Besides, in locations without any power source, solar power systems have been installed to achieve the goal of energy conservation and carbon reduction. The smart bus signs installed with solar power systems can continue to operate for more than 15 days even in rainy or sunless environments. At the same time, a barrier-free and friendly design has been implemented, with the height of the bus signs adjusted considerably to make it convenient for citizens and elders to view clearly.



Smart Bus Sign / Opening Ceremony of the Smart Bus Sign Project

Corresponding SDGs



7. Smart Parking Meters, Making Parking More Convenient

Cause and Purpose

There are more than 10,000 parking spaces in Hsinchu City. In response to the increasing demand of citizens for parking, the limited number of parking attendants, and the phenomenon of illegal parking, we have introduced intelligent technologies like smart parking meter and image recognition technology, to improve the utilization rate of parking spaces and accurately and effectively manage the use of parking spaces. This not only improves convenient services for the public, e.g., real-time information on the use of parking spaces, and check and payment of parking fees at any time with diverse payment options, but also alleviates the manpower burden, improves administration efficiency and gradually realizes paperless management.

Contents and Achievements

In August 2023, Hsinchu City became the first place to apply “Smart Loading/Unloading Parking Space” in Taiwan. Combined with smart parking meters and technological law enforcement, it has effectively solved the problem of illegal parking and guaranteed the right to use the spaces for vehicles with real loading/unloading needs. In May 2024, the promotion of the foregoing was expanded, and smart parking meters were installed in commercial areas and school pickup areas, to improve the convenience of pickup and the turnover rate of parking. During the non-pickup periods, general vehicles are allowed to park, improving the efficiency of roadside space. As of May 2025, over 1,300 smart parking meters were installed in Hsinchu City. We aim to make this number 3,600 by 2027. The parking meters will be installed in sections with a relatively high parking rate with priority, to fully implement smart parking management.

Smart parking meters have the functions of timing and image recognition, and can transmit parking information to “Hsinchu Easy Parking APP” in a real-time manner. Citizens may query vacant parking spaces and reach them by navigation, improving the parking convenience and reduce environmental pollution and traffic congestion caused by detours to find parking spaces.



Hsinchu Easy Parking APP / Smart Parking Meter

Corresponding SDGs



8. Vehicular Six-in-One Smart Monitoring and Technology-Based Law Enforcement

Cause and Purpose

To effectively control the high noise caused by the exhaust pipes of vehicles illegally modified and improve the efficiency of city governance through smart technological means, Hsinchu launched the first “Vehicular Six-in-One Smart Monitoring and Technology-Based Law Enforcement System” in Taiwan in December 2023, to improve the efficiency and flexibility of law enforcement on noise and air pollution.

Contents and Achievements

The “Vehicular Six-in-One Smart Monitoring and Technology-Based Law Enforcement System” integrates relevant inspection equipment into vans, with functions covering 6 noise control and air pollution operations, namely, sound photography technology for law enforcement, inspection of unchecked diesel vehicles and motorcycles, AI smoke judgment for diesel vehicle, AI judgment and management for motorcycles and mobile sensor. Also, this system has 3 major advantages, i.e., “mobility, continuity and labor-saving”, and it can conduct mobile patrols in hot spots around the clock and work continually for up to 48 hours.

Currently, three vans equipped with this system have been put into duty in Hsinchu City, strengthening control with various inspection work items. In 2024, the overall number of public complaints and reports dropped by 14.1%. This system has not only reduced noise in areas with a lot of complaints and improved the air quality of the city, but also helped implement smart governance for environmental protection. As a result, it won “2025 Smart City Innovation Application Award” from the Taipei Computer Association, demonstrating Hsinchu City’s innovative performance in smart governance.



Vehicular Six-in-One System into vans / AI Automatic Judgment and Inspection of Modified Exhaust Pipes of Motorcycles



9. The First 119 Underground Backup Center in Taiwan

Cause and Purpose

The hotline “119” is the most direct channel for people to seek help in case of an emergency. To improve the stability and disaster resilience of the emergency rescue system and avoid excessive concentration or single-point faults of the system, Hsinchu City has promoted the construction of a nonlocal, underground backup center, to ensure that the main center or the equipment room of Chunghwa Telecom will not interrupt reporting services due to the impact of extreme disasters (e.g., earthquake, war, or external malicious damage), thereby safeguarding citizens’ life and property safety and enhancing the city’s overall disaster response capacity.

Contents and Achievements

The 119 Service Center provides real-time rescue services without interruption throughout the year. In 2023, a renovation project was first launched. We successfully completed the comprehensive upgrading of the old facilities after five month’s work without interrupting the acceptance and handling of cases and by overcoming multiple challenges for reconstruction on the original site. In March 2024, the new center was officially put into use, and became the first 119 off-site underground backup center in Taiwan.

Through the comprehensive utilization of modern, technological and practical designs, the new space is equipped with a 250-inch environmental control information work which can integrate disaster prevention information in a real-time manner and effectively improve the efficiency of on-duty officers’ judgments on dispatching, thereby further strengthening the city’s emergency response and public security capabilities. At the same time, the underground backup center can realize seamless switching and independent operation under extreme conditions. The reporting line and the main center line are respectively connected to different equipment rooms of Chunghwa Telecom. Once the main center or the equipment room of Chunghwa Telecom fails to work, they will not affect each other, thus assuring the operation of the reporting system and improving citizens’ trust and a sense of security in the disaster relief system.



119 Underground Backup Center

Corresponding SDGs



10. AI Unmanned Intelligent Environment-Friendly Recycling Station

Cause and Purpose

Hsinchu City attaches importance to environmental protection and sustainability, and has utilized the technological power of smart governance to launch AI unmanned intelligent environment-friendly recycling station, in the hope that citizens can take concrete actions to protect the earth in daily lives, improve the environmental quality, and simultaneously implement a net-zero green life.

Contents and Achievements

To make it convenient for citizens to recycle resources, Hsinchu City promoted the installation of AI intelligent recycling equipment in 2024, including unmanned recycling stations and large recycling arks, aiming to build an all-weather unmanned recycling network. AI optical recognition system has been adopted for the equipment, to automatically sorting and compressing bottles and cans to one-length of their original volume. The equipment can recycle up to 42 bottles and cans per minute at the fastest speed, substantially improving efficiency and space utilization.

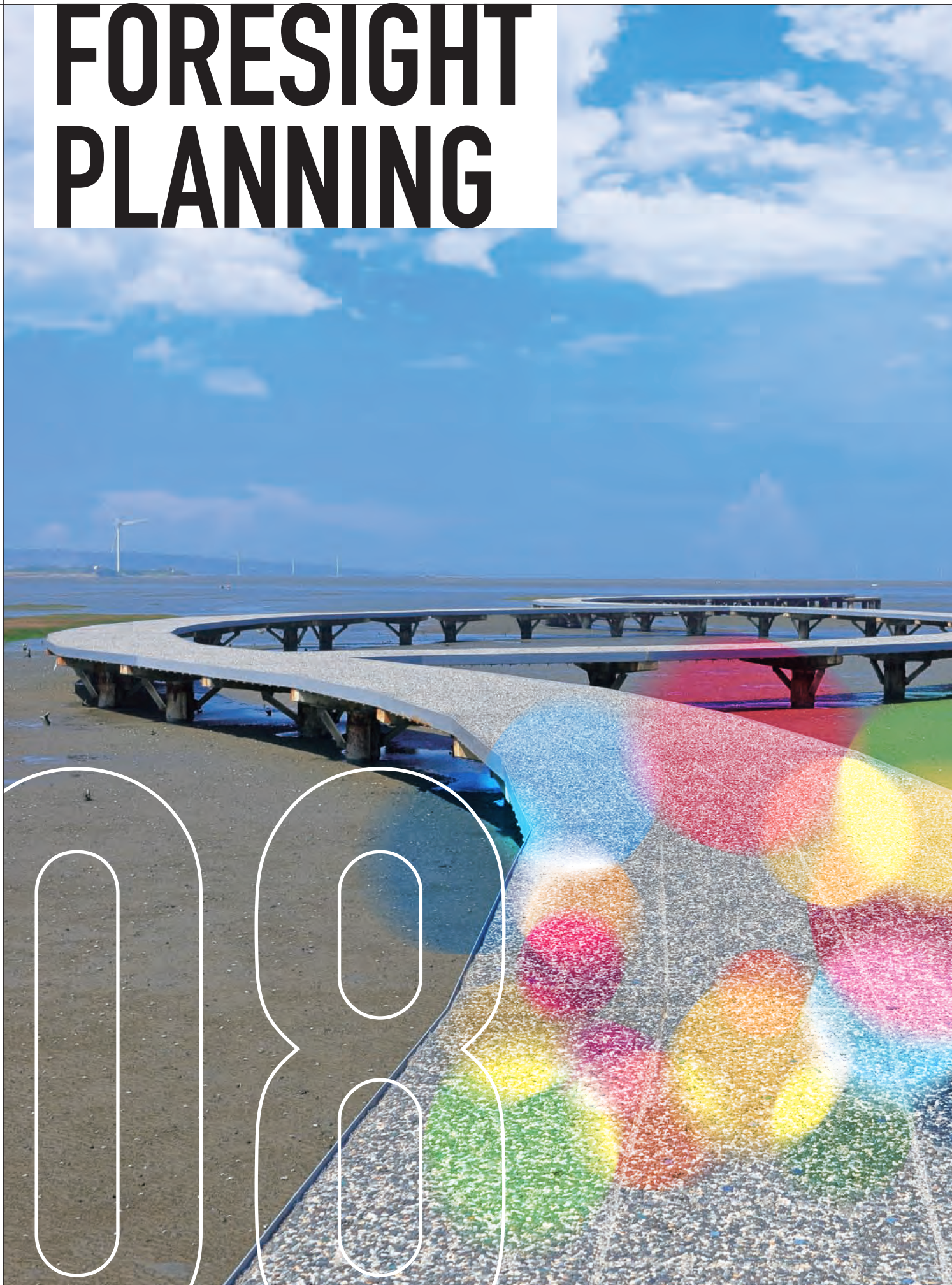
The unmanned recycling stations can be used to recycle 3 major categories of resources, i.e., plastic bottles, aluminum cans and used dry batteries. Currently, 13 unmanned recycling stations and 24 AI unmanned smart recycle machines have been put into use, covering 12 important sites in East District, North District, Siangshan District in Hsinchu City; at the same time, Hsinchu City has become the first city other than six special municipalities that has installed large smart recycle machines in a department store. The “Recycling Ark” installed in the department store is the first machine in Taiwan capable of recycling HDPE milk bottle materials; according to the statistics, these recycling stations have cumulatively recycled over 65,000 kilograms of resources and served over 62,000 citizens, presenting the achievements from the active participation of citizens in sustainable actions.



Unmanned Recycling Station / Publicity Poster

FORESIGHT PLANNING

HSINCHU CITY | SDGs 2025



1. Promoting Technological Innovation and Leading a New Model of Sustainable Governance

With abundant scientific and technological R&D resources and high-tech industrial clusters, Hsinchu City will continually deepen the governance model of “Technology x Sustainability”, leverage the foundation of a smart city and R&D capabilities, and introduce and apply technological tools like AI, IoT and big data in the fields of city governance, environmental protection and climate adaptation, making technology a powerful driver in solving urban problems, improving citizens’ quality life, and advancing sustainable development goals and a model for smart and sustainable governance across Taiwan.

2. Responding to Climate Change and Building a City with Net-Zero Carbon Emissions

In response to the challenges of climate change and Taiwan’s blueprint for net-zero policy, Hsinchu City has implemented the “Hsinchu City 2050 Net Zero Emissions White Paper”, and promoted the adoption of diverse measures through cross-field integration and setting of staged goals, including use of clean energy, low-carbon transportation, green building, urban greening, and circular economy, thus progressively moving towards a low-carbon, resilient, sustainable city and practically completing the targets of Net Zero by 2050.

3. Furthering Regional Cooperation and Aligning with International Sustainable Actions

Hsinchu City has furthered cooperation with adjacent counties and cities and joined Central Taiwan Regional Governance Platform to form a cooperation alliance across counties and cities. At the same time, we continue to actively participate in foreign sustainable city exchange platforms, e.g., Local Governments for Sustainability (ICLEI) and Institute for Global Environmental Strategies (IGES), thus aligning with the global sustainable governance trends and action standards, discussing latest responsive measures and technologies, learning from international cities’ strategies and innovative thinking, expanding the city’s international visibility and sustainable impact, and moving towards with the global community on the path towards sustainability vision.

4. Promoting Community-Wide Participation and Creating the Vision of a Sustainable City Together

The practice of sustainable development not only relies on government administration, but also needs citizen’s understanding, participation and actions. Through diverse approaches like environmental markets, sustainability forums, publicity activities and campus education, we have strived to deepen citizens’ understanding of sustainable development, improve their sustainability literacy, further the application of “Citizen Participation”, and value innovative proposals from the youth, community co-building programs, and enterprise volunteer services as well as non-profit organizations’ opinions. By doing so, we enable more stakeholders to become the participants and promoters of corresponding policies, and through diverse participation channels and co-building mechanism, we believe that an open, inclusive, action-oriented, sustainable urban society will be created.



APPENDICES



Appendix I. Hsinchu City Sustainable Development Strategies, Programs / Action Plans, and Indicators

65 sustainable development programs/action plans and 84 indicators in total



SDGs Targets SDG01 No Poverty

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
1.3	Good for the Elderly and Young People	Creating a Policy of "Hsinchu City's Grandparents' Happiness" Helping the disadvantaged	01. Number of People Served by Using	Department of Social Affairs
1.a	Happiness and Friendliness		02. Number of Poverty Alleviation Accounts Opened	Department of Social Affairs



SDGs Targets SDG02 Zero Hunger

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
2.1	Happiness and Friendliness	Giving Love Immediately and Helping the Disadvantaged	03. Number of Meals Served to Disadvantaged Families	Department of Social Affairs
2.1	Good for the Elderly and Young People	Promoting Elderly Care in the Community and Establishing Community Care and Support Centers	04. Number of Eating-with-Friends Centers	Department of Social Affairs
2.4	Happiness and Friendliness	Community Empowerment: Love and Share Refrigerators	05. Community Refrigerator Shared Food Quantities	Department of Social Affairs
2.4	Peace of Mind in Health	Protecting Agriculture with Friendly and Safe Farming and Safeguarding Health with Strengthened Epidemic Prevention	06. Area of Food Crop Production and Fallow Farming and Conversion	Department of Economic Development



SDGs Targets SDG03 Good Health and Well-being

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
3.2	Happiness and Friendliness	Promoting Children's Health and Safety	07. Newborn Mortality	Public Health Bureau
3.3	Peace of Mind in Health	Human Papillomavirus (HPV) Vaccination Program	08. Vaccination Rate of HPV Vaccine among 8th-grade Students	Public Health Bureau
3.4	Peace of Mind in Health	Integrated Mental Health Work Program	09. Suicide Mortality	Public Health Bureau



SDGs Targets

SDG03 Good Health and Well-being

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
3.4	Peace of Mind in Health	Comprehensive Cancer Prevention Promotion Program	10. Rate of Participation in Cancer Screening Tests	Public Health Bureau
3.8	Peace of Mind in Health	Routine Vaccination Services	11. Completion Rate of Routine Vaccination	Public Health Bureau
3.8	Happiness and Friendliness	Constructing Indigenous Cultural Facilities and Promoting the Development of Indigenous Industries	12. Rate of Participation of Indigenous Elders in Culture and Health Station	Department of Civil Affairs
3.8	Good for the Elderly and Young People	Improving Long-term Care Services and Implementing Aging in the Community	13. Growth Rate of Long-term Care Enrollees	Public Health Bureau
3.8	Good for the Elderly and Young People	Improving Long-term Care Services and Implementing Aging in the Community	14. Achievement Rate of Class-C Centers for Long-term Care	Public Health Bureau



SDGs Targets

SDG04 Quality Education

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
4.1	Good Education Environment in Hsinchu	Promoting Multicultural Education and Supporting Student Families	15. Non-literacy Rate at Age 15+	Department of Education
4.2	Good for the Elderly and Young People	Promoting Multicultural Education and Supporting Student Families	16. Rate of Children Aged 5 Enrolled in Nursery Schools	Department of Education
4.4	Good Education Environment in Hsinchu	Creating a Digital New Generation Teaching Environment to Cultivate Learning Mobility	17. Rate of Classes Implementing Digital Learning	Department of Education
4.7	Good Education Environment in Hsinchu	Diversity of Community Universities in Promoting Public Engagement	18. Number of Courses Opened at Community Colleges Regarding SDGs Related Attributes	Department of Education
4.7	Beauty of Hsinchu	Upgrading the Operation of Cultural Venues and Enhancing Arts and Cultural Life and Education	19. Number of People Attending Museums and Local Cultural Centers	Cultural Affairs Bureau
4.7	Beauty of Hsinchu	Upgrading the Operation of Cultural Venues and Enhancing Arts and Cultural Life and Education	20. Cumulative Number of Thematic Exhibitions and Open Call Exhibitions	Cultural Affairs Bureau
4.7	Beauty of Hsinchu	Enhancing the Reading Environment and the Reading Ability of the Public	21. Number of Participants in Library Reading Promotion Programs	Cultural Affairs Bureau



SDGs Targets
SDG05 Gender Equality

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
5.1	Happiness and Friendliness	Woman and Family Welfare Services	22. Participation Rate of the Public in the Protection of Women's Rights and Gender Equality	Department of Social Affairs Department of Social Affairs
5.4	Happiness and Friendliness	Woman and Family Welfare Services	23. Number of Participants in Women's Hall Programs	Department of Social Affairs



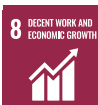
SDGs Targets
SDG06 Clean Water and Sanitation

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
6.1	Livability and Sustainability	Protecting the Water Quality and Safety of Tap Water Supply	24. Water Quality Compliance Rate for Tap Water Supplies	Environmental Protection Bureau
6.3	Livability and Sustainability	Maintenance and Improvement of Desilting and Dredging of City Sewers, Regional Drainage, Underground Ways, and Detention Basins	25. Rate of Regional Drainage and Storm Sewerage Dredging and Desilting	Department of Public Works
6.3	Livability and Sustainability	Maintenance of Water Quality	26. Achievement Rate of Touqian River for Minor and No (Slight) Pollution	Environmental Protection Bureau



SDGs Targets
SDG07 Affordable and Clean Energy

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
7.1	Livability and Sustainability	Replacement of Old Street Lamps with LED Street Lamps	27. Rate of Old Street Lamps Replaced with LED Street Lamps	Department of Public Works
7.2	Livability and Sustainability	Bidding for Installation of Solar Power Generation System on Publicly Owned Premises	28. Cumulative kWh of Solar Electricity Generating Facilities	Department of Economic Development
7.2	Livability and Sustainability	Bidding for Installation of Solar Power Generation System on Publicly Owned Premises	29. Cumulative Capacity of Solar Power Generating Facilities	Department of Economic Development



SDGs Targets

SDG08 Decent Work and Economic Growth

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
8.3	Industry Innovation	Assisting Industries in Innovation and Upgrading to Promote Sound Economic Development	30. Cumulative Number of Assisted Enterprises in Innovation	Department of Economic Development
8.6	Youth Vitality	Youth Employment Knowledge Promotion Activities	31. Cumulative Number of Participants in Youth Employment Knowledge Promotion Activities	Department of Labor and Youth Affairs
8.8	Happiness and Friendliness	Caring for Foreigners' Physical and Mental Health and Safeguarding Foreigners' Basic Rights to Work in Taiwan	32. Number of Migrant Workers Consulted	Department of Labor and Youth Affairs
8.8	Happiness and Friendliness	Caring for Foreigners' Physical and Mental Health and Safeguarding Foreigners' Basic Rights to Work in Taiwan	33. Number of Migrant Workers Visited	Department of Labor and Youth Affairs
8.8	Happiness and Friendliness	Promoting Vocational Training for New Immigrants and Adaptive Employment Counseling	34. Cumulative Number of New Immigrants Recruited for Vocational Training	Department of Labor and Youth Affairs
8.8	Happiness and Friendliness	Protecting the Employment Rights and Interests of People with Disabilities, Encouraging Enterprises to Employ Them and Promoting Employment	35. Cumulative Number of Successful Career Reconstruction Jobs for People with Disabilities	Department of Labor and Youth Affairs
8.9	Happiness and Friendliness	Hotel Accommodation Enhancement Program	36. Growth Rate of Total Visitor Accommodation	Department of City Marketing
8.9	Beauty of Hsinchu	Mini-Travel Program	37. Cumulative Number of Participants in Mini-Travel Program	Department of City Marketing
8.9	Beauty of Hsinchu	Expanding International Exchanges and Marketing Hsinchu City's Charm	38. Number of Visits to Arts and Cultural Festivals	Cultural Affairs Bureau



SDGs Targets

SDG09 Industry, Innovation, and Infrastructure

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
9.3	Livability and Sustainability	Storm Sewer Construction	39. Installation Rate of Storm Sewers	Department of Public Works
9.3	Livability and Sustainability	Sewerage Construction	40. Sewerage Connection Rate	Department of Public Works
9.3	Intelligent Governance	Strengthening Information Services and Enhancing Citizen Services-Digital Application Service Platform	41. Number of Online Application Services	Department of General Affairs
9.3	Intelligent Governance	Improving the Quality of Open Data Content to Enhance the Energy of Smart City Governance	42. Achievement Rate of Platinum Label of Open Data Quality Audit	Department of General Affairs



SDGs Targets SDG10 Reduced Inequalities

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
10.2	Happiness and Friendliness	Constructing Indigenous Cultural Facilities and Promoting the Development of Indigenous Industries	43. Accumulated Number of Indigenous Cultural Heritage Activities	Department of Civil Affairs
10.2	Happiness and Friendliness	Passing on Hakka Culture and Language and Shaping the Characteristics of Hakka in Hsinchu	44. Number of Lectures or Training Programs in the Hakka Language	Department of Civil Affairs



SDGs Targets SDG11 Sustainable Cities and Communities

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
11.1	Livability and Sustainability	Friendly City with Residential Rental Subsidy and Social Housing Tenancy Management	45. Number of Approved Cases for Residential Subsidies	Department of Urban Development
11.2	Livability and Sustainability	Subsidizing the Replacement of Old Scooters with Electric Scooters	46. Cumulative Number of Retired Old Scooters	Environmental Protection Bureau
11.2	Livability and Sustainability	Subsidizing the Replacement of Old Scooters with Electric Scooters	47. Number of Electric Scooters	Environmental Protection Bureau
11.2	Transportation Accessibility	Creating a Friendly Environment for the Use of Electric Vehicles	48. Number of Charging Pile Installations	Department of Transportation
11.2	Happiness and Friendliness	Encouraging People to Take Public Transportation	49. Number of Passengers Taking Urban Buses	Department of Transportation
11.2	Happiness and Friendliness	Public Bicycle Upgrade Program	50. Number of YouBike Users	Department of Transportation
11.2	Transportation Accessibility	Maintenance of Facilities of the 17-Kilometer Cycling Track	51. Repair and Maintenance Cost Rate of 17 Kilometers of Bicycle Lane Facilities	Department of Public Works
11.3	Livability and Sustainability	Promoting the Transformation of Community Autonomous Spaces and Creating a Sustainable and Harmonious Local Living Area	52. Community Planner Training Courses	Department of Urban Development
11.4	Livability and Sustainability	Publicizing the Correct Knowledge on Fire Prevention and Evacuation to Defend the Safety of Hsinchu City	53. Fire Deaths per 100,000 People	Fire Bureau
11.4	Beauty of Hsinchu	Cultural Heritage Preservation and Cultural Transmission, Enriching the Depth of Literature and History	54. Rate of Population Visiting the Website	Cultural Affairs Bureau
11.4	Happiness and Friendliness	Cultural Heritage Preservation and Cultural Transmission, Enriching the Depth of Literature and History	55. Total Number of Historic Sites and Buildings Restored and Reutilized	Cultural Affairs Bureau
11.4	Livability and Sustainability	Promoting the Public Participation in Programs like Spatial Planning and Urban Planning	56. Cumulative Number of Related Interviews, Symposiums and Briefing Sessions on Spatial Planning, Urban Planning, etc.	Department of Urban Development
11.5	Livability and Sustainability	Implementing Air Pollution Prevention Program to Improve Air Quality	57. Annual Average of PM _{2.5}	Environmental Protection Bureau



SDGs Targets

SDG11 Sustainable Cities and Communities

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
11.6	Livability and Sustainability	Implementing Air Pollution Prevention Program to Improve Air Quality	58. Rate of Station Days with AQI>100	Environmental Protection Bureau
11.6	Livability and Sustainability	Implementing Air Pollution Prevention Program to Improve Air Quality	59. Rate of Station Days with AQI<50	Environmental Protection Bureau
11.6	Livability and Sustainability	Implementing Air Pollution Prevention Program to Improve Air Quality	60. Average Hours of O ₃	Environmental Protection Bureau
11.6	Livability and Sustainability	Implementing Air Pollution Prevention Program to Improve Air Quality	61. Cumulative Number of Catering Practitioners Counseled for Installing Air Pollution Control Equipment	Environmental Protection Bureau
11.7	Livability and Sustainability	Planting and Landscaping Programs in Parks, Green Spaces, etc.	62. Park Green Space per Person within the Urban Planning Area	Department of Urban Development
11.7	Livability and Sustainability	Planting and Landscaping Programs in Parks, Green Spaces, etc.	63. Number of Landscaping Plants	Department of Public Works
11.7	Livability and Sustainability	Planting and Landscaping Programs in Parks, Green Spaces, etc.	64. Replanted Turf Area for Landscaping	Department of Public Works
11.7	Livability and Sustainability	Promoting People-Oriented Traffic	65. Length of Sidewalks Improved	Department of Public Works
11.12	Livability and Sustainability	Promoting the Compliance with Green Building Standards	66. Proportion of Issued Number of Construction Licenses Complying with Green Building Standards within the Urban Planning Area	Department of Urban Development



SDGs Targets

SDG12 Responsible Consumption and Production

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
12.4	Livability and Sustainability	Diversified Recycling Service Channels and Recycling Rate Improvement Programs	67. Recycling Rate	Environmental Protection Bureau
12.4	Livability and Sustainability	Diversified Recycling Service Channels and Recycling Rate Improvement Programs	68. Food Waste Treatment Amount	Environmental Protection Bureau
12.4	Livability and Sustainability	Diversified Recycling Service Channels and Recycling Rate Improvement Programs	69. Annual Solid Waste Generation per Person	Environmental Protection Bureau
12.7	Livability and Sustainability	Promoting Green Procurement Programs for Government Agencies	70. Achievement Rate of Designated Green Procurement Projects by Government Agencies	Environmental Protection Bureau



SDGs Targets
SDG13 Climate Action

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
13.2	Livability and Sustainability	Clean Air for Health Action Plan	71. Cumulative Carbon Reduction of Greenhouse Gas Reduction	Environmental Protection Bureau
13.3	Good Education Environment in Hsinchu	Environmental Education Promotion Programs	72. Number of Environmental Educators Trained	Environmental Protection Bureau
13.3	Livability and Sustainability	Advocating Fire Prevention Actions and Building a Happy and Safe City	73. Percentage of 4th-grade Students Participating in Fire Protection Passport Certification Advocacy	Fire Bureau
13.3	Happiness and Friendliness	Promoting a Learning Environment for Fire Prevention Publicity	74. Achievement Rate of Fire Prevention Advocacy	Fire Bureau
13.3	Livability and Sustainability	Promoting a Diverse CPR Learning Environment	75. Percentage of 8th-grade Students Participating in CPR Certification Advocacy	Fire Bureau



SDGs Targets
SDG14 Life below Water

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
14.1	Livability and Sustainability	Protection of the Quality of Marine Waters	76. Environmental Water Quality Pass Rate for Oceanic Waters	Environmental Protection Bureau
14.4	Livability and Sustainability	Nurturing the Fisheries Industry and Protecting the Sea, and a New Atmosphere at the Fisherman's Wharf	77. Number of Fish Fry Releases in Sea Areas and Coastal Areas	Department of Economic Development



SDGs Targets
SDG15 Life on Land

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
15.1	Happiness and Friendliness	Friendly Conservation and Ecological Protection and Strengthening Disease Prevention to Ensure Good Health	78. Number of Stray Animals Neutered and TNR	Department of Economic Development
15.1	Livability and Sustainability	Strengthening Soil and Water Conservation and Safety to Ensure Sustainable Ecological Conservation	79. Number of People Advocated with Ecological Conservation Policy	Department of Economic Development



SDGs Targets SDG16 Peace, Justice and Strong Institutions

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
16.1	Peace of Mind in Health	Public Security Maintenance	80. Investigation and Elimination Points in the Anti-gang Project	Police Bureau
16.2	Peace of Mind in Health	Public Security Maintenance	81. Detection Rate of Violent Crimes	Police Bureau



SDGs Targets SDG17 Partnerships for the Goals

TSDGs Targets	Strategies	Sustainable Development Program / Action Plan	Indicator	Offices
17.8	Youth Vitality	Expanding International Exchanges and Strengthening Sustainable Development	82. Number of International Exchanges	Department of City Marketing
17.8	Youth Vitality	Volunteerism for Sustainable Management	83. Number of Volunteers	Department of Social Affairs
17.9	Beauty of Hsinchu	Community Building and Village Culture Development Program	84. Number of Community Building and Cultural Development Activities	Cultural Affairs Bureau



Appendix II. Definition/Calculation, Historical Data, and Target Value of Sustainable Development Indicators of Hsinchu City



SDGs Targets SDG01 No Poverty

Indicator
Number of People Served by Using the Senior Citizen Cards

Unit
Person-times

Definition / Calculation
Number of service attendance

	2022	2023	2024		2025	2028	2030
Historical Data	1,523,253	2,132,139	2,605,383	Future Goal	2,700,200	2,700,800	2,701,200

Indicator
Number of Poverty Alleviation Accounts Opened

Unit
Number of accounts opened

Definition / Calculation
Number of poverty alleviation accounts opened in Hsinchu City

	2022	2023	2024		2025	2028	2030
Historical Data	332	389	440	Future Goal	400	460	520



SDGs Targets SDG02 Zero Hunger

Indicator
Number of Meals Served to Disadvantaged Families

Unit
Person-times

Definition / Calculation
Number of people served

	2022	2023	2024		2025	2028	2030
Historical Data	5,140	7,240	6,000	Future Goal	5,400	5,400	5,400

Indicator

Number of Eating-with-Friends Centers

Unit

Number of centers

Definition / Calculation

Number of Eating-with-Friends Centers

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	70	78	86		90	103	108

Indicator

Community Refrigerator Shared Food Quantities

Unit

Kilograms

Definition / Calculation

Community refrigerator sharing kilograms

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	18,933	23,723	30,833		24,550	24,700	24,800

Indicator

Area of Food Crop Production and Fallow Farming and Conversion

Unit

Hectare

Definition / Calculation

Rice planting area of this year (calculated per farmers' actual planting area) + Area of fallow farming and conversion of this year (calculated per farmers' actual planting area)

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	1,319.951	608.134	582.021		Calculated per farmers' actual planting area	Calculated per farmers' actual planting area	Calculated per farmers' actual planting area



SDGs Targets

SDG03 Good Health and Well-being**Indicator**

Newborn Mortality

Unit

‰

Definition / Calculation

(Number of neonatal deaths ÷ Number of births of live babies) × 1000‰

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	3.7	3.7	2.56		3	3	3

Indicator

Vaccination Rate of HPV Vaccine among 8th-grade Students

Unit

%

Definition / Calculation

(Actual number of students vaccinated ÷ Number of newly enrolled male and female 8th-grade students) × 100%

Remarks: Female 8th-grade students were vaccinated from 2022 to 2024, while the scope of vaccination objects has been expanded to both male and female 8th-grade students since 2025.

	2022	2023	2024		2025	2028	2030
Historical Data	90	90	90.02	Future Goal	80	80	80

Indicator

Suicide Mortality

Unit

1/100,000 persons

Definition / Calculation

(Number of annual suicide deaths ÷ Annual population) × 100,000

	2022	2023	2024		2025	2028	2030
Historical Data	13.3	13.4	16.2	Future Goal	13.3	13	12.8

Indicator

Rate of Participation in Cancer Screening Tests

Unit

%

Definition / Calculation

(Number of participants in the current year ÷ Target number in the current year) × 100%

	2022	2023	2024		2025	2028	2030
Historical Data	100	100	100	Future Goal	100	100	100

Indicator

Completion Rate of Routine Vaccination

Unit

%

Definition / Calculation

(The number of vaccinations ÷ Required number of vaccinations) × 100%

	2022	2023	2024		2025	2028	2030
Historical Data	97.55	98	97.66	Future Goal	98	98	98

Indicator **Unit**

Rate of Participation of Indigenous Elders in Culture and Health Station %

Definition / Calculation

(Number of Indigenous elders aged 55 and above participating in culture and health stations in Hsinchu ÷ The population verified and approved by the central government for this program) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	90	90.4	92.06		90	91	92

Indicator **Unit**

Growth Rate of Long-term Care Enrollees %

Definition / Calculation

(Current year's long-term care enrollees - Previous year's long-term care enrollees) ÷ Previous year's long-term care enrollees × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	8.8	17.4	15.78		16	19	21

Indicator **Unit**

Achievement Rate of Class-C Centers for Long-term Care %

Definition / Calculation

(Annual actual number of households / Annual target number of households) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	100		100	100	100



SDGs Targets

SDG04 Quality Education

Indicator **Unit**

Non-literacy Rate at Age 15+ %

Definition / Calculation

(Population aged 15 or above who are illiterate ÷ Population aged 15 or above in Hsinchu City) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	0.55	0.43	0.43		0.38	0.35	0.3

Indicator

Rate of Children Aged 5 Enrolled in Nursery Schools

Unit

%

Definition / Calculation

(Number of 5-year-olds enrolled in legally registered kindergartens ÷ 5-year-olds domiciled in Hsinchu City) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	97.9	97.38	94.18		97	97	98

Indicator

Rate of Classes Implementing Digital Learning

Unit

%

Definition / Calculation

Rate of the number of large screens installed in the classroom

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	6	33	71.4		100	100	100

Indicator

Number of Courses Opened at Community Colleges Regarding SDGs Related Attributes

Unit

Courses

Definition / Calculation

Number of courses opened at communities in relation with one or several of 17 SDGs of the United Nations

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	81	75	117		119	125	129

Indicator

Number of People Attending Museums and Local Cultural Centers

Unit

Person-times

Definition / Calculation

Number of people attending museums and local cultural centers

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	232,488	347,564	332,967		350,000	365,000	375,000

Indicator
Cumulative Number of Thematic Exhibitions and Open Call Exhibitions

Unit
Exhibitions

Definition / Calculation

Number of thematic exhibitions held from 2020

	2022	2023	2024		2025	2028	2030
Historical Data	36	51	67	Future Goal	72	112	132

Indicator
Number of Participants in Library Reading Promotion Programs

Unit
Person-times

Definition / Calculation

Annual number of participants

	2022	2023	2024		2025	2028	2030
Historical Data	32,283	101,840	389,247	Future Goal	180,000	200,000	200,000



SDGs Targets

SDG05 Gender Equality

Indicator
Participation Rate of the Public in the Protection of Women's Rights and Gender Equality

Unit
%

Definition / Calculation

$(\text{Number of female recipients of women's welfare services} \div \text{Female population at the end of the year}) \times 100\%$

	2022	2023	2024		2025	2028	2030
Historical Data	32.31	30.3	38.53	Future Goal	38.5	39.5	40

Indicator
Number of Participants in Women's Hall Programs

Unit
Person-times

Definition / Calculation

Number of participants

	2022	2023	2024		2025	2028	2030
Historical Data	1,906	3,377	3,200	Future Goal	3,500	3,550	4,000



SDGs Targets
SDG06 Clean Water and Sanitation

Indicator Water Quality Compliance Rate for Tap Water Supplies **Unit** %

Definition / Calculation
Rate of qualified points in annual sampling and inspection

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	100		100	100	100

Indicator Rate of Regional Drainage and Storm Sewerage Dredging and Desilting **Unit** %

Definition / Calculation
(Actual annual dredging length ÷ Estimated dredging length) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	104.27		100	100	100

Indicator Achievement Rate of Touqian River for Minor and No (Slight) Pollution **Unit** %

Definition / Calculation
(Number of months with PRI Indicator achieved throughout the year/
Number of months monitored throughout the year) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	100		100	100	100



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SDGs Targets

SDG07 Affordable and Clean Energy**Indicator**

Rate of Old Street Lamps Replaced with LED Street Lamps

Unit

%

Definition / Calculation

LED street lamp coverage rate

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	76.17	76.39	76.62		76.83	77.49	77.93

Indicator

Cumulative kWh of Solar Electricity Generating Facilities

Unit

100 million kWh

Definition / Calculation

Citywide kWh generated by solar electric generating facilities from 2017 cumulative to current year

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	1.54	4.48	4.76		5.04	5.51	5.85

Indicator

Cumulative Capacity of Solar Power Generating Facilities

Unit

kW

Definition / Calculation

Citywide solar electric generating facility installation capacity from 2017 cumulative to current year

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	38,844	42,433	47,235		48,652	53,163	56,401



SDGs Targets

SDG08 Decent Work and Economic Growth

Indicator

Cumulative Number of Assisted Enterprises in Innovation

Unit

Enterprises

Definition / Calculation

Cumulative number of innovative enterprises in Hsinchu City since 2020

	2022	2023	2024		2025	2028	2030
Historical Data	90	153	182	Future Goal	191	266	316

Indicator

Cumulative Number of Participants in Youth Employment Knowledge Promotion Activities

Unit

Person-times

Definition / Calculation

Cumulative number of participants in campus lectures and factory visits since 2020

	2022	2023	2024		2025	2028	2030
Historical Data	4,146	5,859	6,772	Future Goal	7,332	9,012	10,132

Indicator

Number of Migrant Workers Consulted

Unit

Person-times

Definition / Calculation

Number of times the migrant worker authorized to work in Hsinchu City has been consulted

	2022	2023	2024		2025	2028	2030
Historical Data	2,103	2,957	2,474	Future Goal	2,160	2,220	2,260

Indicator

Number of Migrant Workers Visited

Unit

Person-times

Definition / Calculation

Number of visits to migrant workers in Hsinchu City

	2022	2023	2024		2025	2028	2030
Historical Data	4,000	4,757	5,154	Future Goal	4,400	4,800	5,000

Indicator **Unit**
 Cumulative Number of New Immigrants Recruited for Vocational Training Person-times

Definition / Calculation

Cumulative number of new immigrants recruited for vocational training from 2020

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	106	150	193		221	317	386

Indicator **Unit**
 Cumulative Number of Successful Career Reconstruction Jobs for People with Disabilities Person-times

Definition / Calculation

Number of people with disabilities who have been employed cumulatively for three months or more in career reconstruction from 2020

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	188	231	336		400	544	640

Indicator **Unit**
 Growth Rate of Total Visitor Accommodation %

Definition / Calculation

$(\text{Current year's accommodation number} - \text{Previous year's accommodation number}) / \text{Previous year's accommodation number} \times 100\%$

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	14.94	15.635	8.161		5	5	5

Indicator **Unit**
 Cumulative Number of Participants in Mini-Travel Program Person-times

Definition / Calculation

Cumulative number of participants in mini-travel program from 2016

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	6,527	7,493	9,286		10,000	12,400	14,000

Indicator

Number of Visits to Arts and Cultural Festivals

Unit

Person-times

Definition / Calculation

Number of participants per year

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	5,784,000	7,407,000	5,800,000		5,790,000	5,880,000	6,000,000



SDGs Targets

Industry, Innovation, and Infrastructure

Indicator

Installation Rate of Storm Sewers

Unit

%

Definition / Calculation

$(\text{Length of planned storm sewer truck lines already constructed} \div \text{Length of planned storm sewer trunk lines}) \times 100\%$

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	71.76	71.76	71.77		72.2	72.5	73

Indicator

Sewerage Connection Rate

Unit

%

Definition / Calculation

$(\text{Number of households connected} \times \text{Number of households}) \div \text{City population} \times 100\%$

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	18.64	21.45	22.56		23	26	28

Indicator

Number of Online Application Services

Unit

Case

Definition / Calculation

Number of online application services

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	202	249	251		260	280	300

Indicator **Unit**

Achievement Rate of Platinum Label of Open Data Quality Audit %

Definition / Calculation

(Number of platinum labels of open data achieved ÷ Total number of pieces of Open Data) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	-	92.95	100		98	99	100



SDGs Targets

SDG10 Reduced Inequalities

Indicator **Unit**

Accumulated Number of Indigenous Cultural Heritage Activities Sessions

Definition / Calculation

Accumulated number of Indigenous cultural heritage activities from 2020

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	25	38	50		57	90	121

Indicator **Unit**

Number of Lectures or Training Programs in the Hakka Language Sessions

Definition / Calculation

Number of activities per year

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	5	14	12		14	17	21



SDGs Targets
SDG11 Sustainable Cities and Communities

Indicator Number of Approved Cases for Residential Subsidies **Unit** Cases

Definition / Calculation
Number of annually approved cases for residential subsidies

	2022	2023	2024		2025	2028	2030
Historical Data	3,000	9,000	13,000	Future Goal	10,000	10,000	10,000

Indicator Cumulative Number of Retired Old Scooters **Unit** Sets

Definition / Calculation
Cumulative number of retired old scooters (fuel-powered scooters manufactured before June 30, 2007) from 2020

	2022	2023	2024		2025	2028	2030
Historical Data	8,520	17,096	24,231	Future Goal	27,700	35,900	40,000

Indicator Number of Electric Scooters **Unit** Sets

Definition / Calculation
Number of electric scooters in Hsinchu City

	2022	2023	2024		2025	2028	2030
Historical Data	12,716	14,534	16,206	Future Goal	16,600	17,800	18,600

Indicator Number of Charging Pile Installations **Unit** Piles

Definition / Calculation
Number of charging pile installations in public parking lots in Hsinchu City

	2022	2023	2024		2025	2028	2030
Historical Data	27	53	150	Future Goal	262	1,048	1,572

Indicator

Number of Passengers Taking Urban Buses

Unit

Person-times

Definition / Calculation

Number of passengers taking urban buses

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	3,384,484	3,800,697	3,946,914		4,030,000	4,300,000	4,480,000

Indicator

Number of YouBike Users

Unit

Person-times

Definition / Calculation

Cumulative number of YouBike riders

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	7,692,325	8,475,488	11,422,160		12,000,000	15,000,000	17,000,000

Indicator

Repair and Maintenance Cost Rate of 17 Kilometers of Bicycle Lane Facilities

Unit

%

Definition / Calculation

$$\left(\frac{\text{Actual repair and maintenance cost in the current year}}{\text{Budget of repair and maintenance cost in the current year}} \right) \times 100\%$$

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	100		95	98	100

Indicator

Community Planner Training Courses

Unit

Hours

Definition / Calculation

Cumulative hours of the training courses from 2026

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	-	-	-		-	30	50

Indicator **Unit**
 Number of Times of Building Fires per 100,000 People Times

Definition / Calculation
 (Number of times of building fires/City population) × 100,000

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	6.188	5.476	7.654		9	8	8

Indicator **Unit**
 Rate of Population Visiting the Website %

Definition / Calculation
 (Current year's website visitors - Previous year's website visitors) ÷ Previous year's website visitors × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	2	2	19.8		3	4.5	5.5

Indicator **Unit**
 Total Number of Historic Sites and Buildings Restored and Reutilized Sites

Definition / Calculation
 Number of programs for investigation and research or restoration and reutilization of historic sites in the current year + Planned and designed number in the current year + Number of restoration and reutilization projects in the current year

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	10	14	15		17	20	22

Indicator **Unit**
 Cumulative Number of Related Interviews, Symposiums and Briefing Sessions on Spatial Planning, Urban Planning, etc. Sessions

Definition / Calculation
 Cumulative number of related interviews, symposiums and briefing sessions on spatial planning, urban planning, etc. from 2025

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	-	-	-		3	12	18

IndicatorAnnual Average of PM_{2.5}**Unit**µg/m³**Definition / Calculation**Annual average of PM_{2.5}

	2022	2023	2024		2025	2028	2030
Historical Data	11.6	13.3	12.8	Future Goal	12.8	12.1	11.9

Indicator

Rate of Station Days with AQI>100

Unit

%

Definition / Calculation

(Number of days with AQI>100 ÷ Total number of effective measurement station days) × 100%

Remarks: The Ministry of Environment has raised stricter requirements for the concentration calculation method of air quality index (AQI).

	2022	2023	2024		2025	2028	2030
Historical Data	1.9	2.47	3.55	Future Goal	3.8	3	2.7

Indicator

Rate of Station Days with AQI<50

Unit

%

Definition / Calculation

(Number of days with AQI< 50 ÷ Total number of effective measurement station days) × 100%

Remarks: The Ministry of Environment has raised stricter requirements for the concentration calculation method of air quality index (AQI).

	2022	2023	2024		2025	2028	2030
Historical Data	73.4	59.73	61.75	Future Goal	55.3	56.8	58.1

IndicatorAverage Hours of O₃**Unit**

ppb

Definition / CalculationAverage hours of O₃

	2022	2023	2024		2025	2028	2030
Historical Data	80.2	82.2	80.9	Future Goal	84.1	82	80

Indicator

Cumulative Number of Catering Practitioners Counseled for Installing Air Pollution Control Equipment

Unit

Practitioners

Definition / Calculation

Cumulative number of catering practitioners counseled for installing air pollution control equipment from 2020

	2022	2023	2024		2025	2028	2030
Historical Data	276	371	460	Future Goal	524	724	844

Indicator

Park Green Space per Person within the Urban Planning Area

Unit

m²

Definition / Calculation

Green space in parks within the urban planning area ÷ City population

	2022	2023	2024		2025	2028	2030
Historical Data	6.32	6.26	6.26	Future Goal	6.35	6.36	6.37

Indicator

Number of Landscaping Plants

Unit

Plants

Definition / Calculation

Number of trees planted + Number of shrubs planted + Number of grass flowers planted

	2022	2023	2024		2025	2028	2030
Historical Data	118,965	105,062	104,479	Future Goal	100,000	100,300	100,500

Indicator

Replanted Turf Area for Landscaping

Unit

m²

Definition / Calculation

Replanted turf area

	2022	2023	2024		2025	2028	2030
Historical Data	2,980	5,060	4,124	Future Goal	4,010	4,040	4,060

Indicator **Unit**
Length of Sidewalks Improved m

Definition / Calculation

Length of sidewalks improved in the current year

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	1,000	3,064	3,850		3,000	3,150	3,250

Indicator **Unit**
Proportion of Issued Number of Construction Licenses Complying with Green Building Standards within the Urban Planning Area %

Definition / Calculation

Issued number of construction licenses complying with green building standards within the urban planning area/
Total number of construction licenses issued

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	69.23	50.88	75.88		78	81	83



SDGs Targets

SDG12 Responsible Consumption and Production

Indicator **Unit**
Recycling Rate %

Definition / Calculation

$$(\text{Recycling volume} \div \text{General waste generation volume}) \times 100\%$$

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	57.99	52.45	53.38		53.5	54.1	54.5

Indicator **Unit**
Food Waste Treatment Amount ton

Definition / Calculation

Amount of food waste from pig farming + Amount of food waste for composting +
Amount of anaerobic fermentation stabilization + Amount of biogas production

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	5,336.2	5,919	6,213.6		6,250	6,350	6,500

Indicator

Annual Solid Waste Generation per Person

Unit

Tons/person-year

Definition / Calculation

(Annual general waste + Recycling + Huge waste disposal + Food waste disposal) ÷
Average annual population of Hsinchu City

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	0.4489	0.5913	0.622		0.61	0.595	0.585

Indicator

Achievement Rate of Designated Green Procurement Projects by Government Agencies

Unit

%

Definition / Calculation

(Total amount of products with Green Mark purchased in designated procurement projects ÷ Total procurement amount of all designated procurement projects) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	99.2	99.1	98.75		99.6	99.7	99.9



SDGs Targets
SDG13 Climate Action

Indicator

Cumulative Carbon Reduction of Greenhouse Gas Reduction

Unit

10,000tCO₂e/year

Definition / Calculation

Cumulative carbon reduction in the greenhouse gas reduction program from 2018

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	13.39	19.81	23.94		25	40	50

Indicator

Number of Environmental Educators Trained

Unit

Person-times

Definition / Calculation

Actual number of environmental education training participants in the year

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	87	103	95		105	120	130

Indicator **Unit**

Percentage of 4th-grade Students Participating in Fire Protection Passport Certification Advocacy %

Definition / Calculation

(Number of 4th-grade students advocated ÷ Total number of 4th-grade students) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	Canceled due to the pandemic	100	100		100	100	100

Indicator **Unit**

Achievement Rate of Fire Prevention Advocacy %

Definition / Calculation

(Number of people receiving fire publicity/10,000 people) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	Canceled due to the pandemic	100	100		100	100	100

Indicator **Unit**

Percentage of 8th-grade Students Participating in CPR Certification Advocacy %

Definition / Calculation

(Number of 8th-grade students participating in CPR certification/Total number of 8th-grade students) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	100		100	100	100



SDGs Targets

SDG14 Life below Water

Indicator **Unit**

Environmental Water Quality Pass Rate for Oceanic Waters %

Definition / Calculation

(Total number of times the monitoring results met the marine environmental quality standards ÷ Estimated number of annual monitoring times) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	100		100	100	100

Indicator

Number of Fish Fry Releases in Sea Areas and Coastal Areas

Unit

Fry

Definition / Calculation

Number of fish fry released annually

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	44,000	181,465	175,000		160,000	185,000	195,000



SDGs Targets

SDG15 Life on Land

Indicator

Number of Stray Animals Neutered and TNR

Unit

Pairs

Definition / Calculation

Street cats and street dogs TNVR program + Number of shelter spay/neuter programs from 2020

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	1,350	2,887	4,510		6,000	9,900	12,000

Indicator

Number of People Advocated with Ecological Conservation Policy

Unit

Person-times

Definition / Calculation

Annual number of people advocated with ecological conservation policy

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	11,000	17,364	13,343		13,500	14,100	14,500



SDGs Targets

SDG16 Peace, Justice and Strong Institutions**Indicator**

Investigation and Elimination Points in the Anti-gang Project

Unit

%

Definition / Calculation

(Targeted points/Predetermined points) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	-	90	90		90	90	90

Indicator

Detection Rate of Violent Crimes

Unit

%

Definition / Calculation

(Number of violent crime cases solved ÷ Number of violent crime cases) × 100%

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	100	100	100		100	100	100



SDGs Targets

SDG17 Partnerships for the Goals**Indicator**

Number of International Exchanges

Unit

Times

Definition / Calculation

Cumulative number of foreign visits or receptions from 2020

Historical Data	2022	2023	2024	Future Goal	2025	2028	2030
	30	46	71		86	122	146

Indicator

Number of Volunteers

Unit

Persons

Definition / Calculation

Number of volunteers of Hsinchu City

	2022	2023	2024		2025	2028	2030
Historical Data	20,185	22,008	22,714	Future Goal	23,000	24,407	25,000

Indicator

Number of Community Building and Cultural Development Activities

Unit

Sessions

Definition / Calculation

Number of activities held annually

	2022	2023	2024		2025	2028	2030
Historical Data	12	16	13	Future Goal	15	17	18





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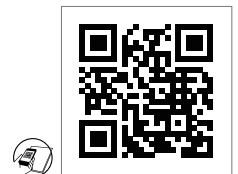
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