



SUSTAINABLE
DEVELOPMENT GOALS
TAOYUAN CITY VOLUNTARY LOCAL REVIEW

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Contents

Contents	00
Mayor's speech	01
1 Introduction	03
01 Introduction to the United Nations Sustainable Development Goals	03
02 About Taoyuan city	07
03 Start the Plan of Voluntary Local Review	12
2 Preparation of the Review and Policy Guidelines	17
01 Organize governance plans	17
02 Establish an indicator system	19
03 Establish a sustainable development strategy framework	20
3 Goals and practices	23
Goal1 No Poverty	24
Goal2 Zero Hunger	28
Goal3 Good Health and Well-being	33
Goal4 Quality Education	47
Goal5 Gender Equality	61
Goal6 Clean Water and Sanitation	68
Goal7 Affordable and Clean Energy	74
Goal8 Decent work and Economic Growth	76
Goal9 Industry, Innovation, and Infrastructure	89
Goal10 Reduced Inequalities	94
Goal11 Sustainable Cities and Communities	99
Goal12 Responsible Consumption and Production	122
Goal13 Climate Action	126
Goal14 Life below Water	131
Goal15 Life on Land	134
Goal16 Peace, Justice and Strong Institutions	136
Goal17 Partnership for the Goals	146
4 The Way Forward	151
01 Policy results review	152
02 Share Taoyuan's experience with the world	152
03 Deepen citizens' awareness of sustainability	152
Appendix 1 Evaluation index	153
Appendix 2 Project conversion table	161

Mayor's speech

Taoyuan, a sustainable city connected to the world



What are SDGs?

The United Nations' World Commission on Environment and Development (WCED) put forward the concept of sustainable development in 1987. In 2015, the United Nations formulated 17 Sustainable Development Goals (SDGs) which became a common language of international cities for 2030 Sustainable Development. As a member of the global citizen, Taoyuan City promotes major constructions such as Low-Carbon Green City, Smart City, MRT and Taoyuan Aerotropolis, all of which are for the sustainability and innovation of the city.

Construct a sustainable city

The population of Taoyuan City exceeded 2.25 million on January 14, 2020. In the past five years since Taoyuan was upgraded to a municipality, the population has grown by nearly 200,000, and the fertility rate is also the highest in the six municipalities. Taoyuan has experienced rapid urban development and numerous industrial settlements. It is a leading city in Taiwan's immigration population and fertility rate. In an environment where the world emphasizes sustainable development issues, how to take into account environmental conservation, social equity and economic growth in the process of rapid population growth and rapid economic development are the directions of the city's continuous efforts. Starting from April 2019, we have adopted the SDGs as the standard to strengthen the connection between our governance plans and SDGs. All bureaus of the City have moved to re-examine their businesses and reflect on the sustainable value of our governance plans.



In order to
give children a better future,
we pay attention to
sustainable development.

The local characteristics of the measurement indicators and future visions are proposed in the publication of the Voluntary Local Review (VLR). Furthermore, Taoyuan City's pragmatism and vision of sustainable development are presented to the world, and will be used as a policy guideline. The goal is to create a wonderland for citizens and connect with the world. Taoyuan City is implementing the concept of sustainable development and is committed to improving health and well-being of citizens, providing quality and fair education, respecting multiculturalism and gender, promoting innovation in local entrepreneurial production, building resilient infrastructure, creating a low-carbon sustainable environment, promoting resource recycling, strengthening climate change adaptation, protecting natural and human resources, and building a safe and fair society.

Taoyuan is rapidly transforming and progressing. In the future, the City will adopt sustainability as the principle of policy planning in various governance and construction projects to fulfill its obligations as a citizen of the Earth. In the future, the City will closely align its policy guidelines with sustainable development through repeated reviews and rolling amendments to demonstrate Taoyuan's determination to promote sustainable development by communicating with international cities. We look forward to cooperating with enterprises, schools, volunteers and civic groups in Taoyuan City to build Taoyuan into a Friendly and Sharing, Sustainable and LOHAS city.

Mayor of Taoyuan City

鄭文燦
Wen-Tsang Cheng

1 Introduction

01 Introduction to the United Nations Sustainable Development Goals

Friendly and Sharing, Sustainable and LOHAS

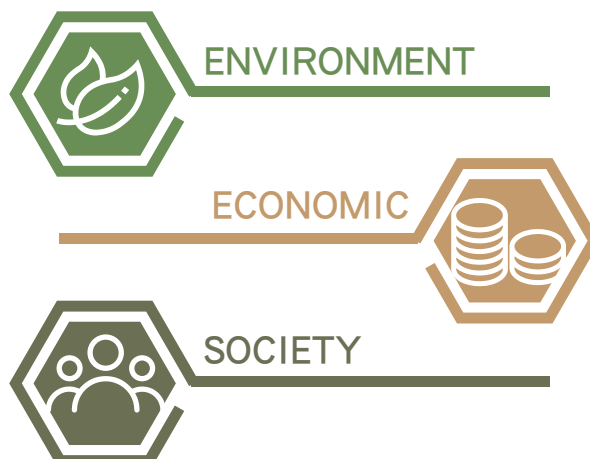
Sustainable Development Goals - TAOYUAN

About The 2030 Sustainable Development Goals Agenda

The spirit of sustainable development is to "meet contemporary needs without compromising the development needed by future generations. "The 2030 Sustainable Development Goals Agenda (Agenda 30) signed by the "United Nations Development Summit" (Rio+20) in September 2015 was officially launched on January 1, 2016, setting 17 Sustainable Development Goals (SDGs) and 169 targets, serving as the guiding principles for sustainable development worldwide until 2030.

Introduction to Sustainable Development Goals (SDGs)

The 17 sustainable development goals are the common language of international urban policy makers, covering the three aspects of **environmental protection**, **social progress**, and **economic growth**, and also includes the following details:





No Poverty

End poverty in all its forms everywhere.



Zero Hunger

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



Good Health and Well-being

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



Quality Education

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



Gender Equality

Achieve gender equality and empower all women and girls.



Clean Water and Sanitation

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



Affordable and Clean Energy

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



Decent Work and Economic Growth

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



Industry, Innovation, and Infrastructure

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



Reduced Inequalities

Reduce inequality within and among countries.



Sustainable Cities and Communities

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



Responsible Consumption and Production

Ensure sustainable consumption and production patterns.



Climate Action

Take urgent action to combat climate change and its impacts.



Life below Water

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



Life and Land

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



Peace, justice and Strong Institutions

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



Partnership for the Goals

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

Taoyuan City adopts "Friendly and Sharing, Sustainable and LOHAS " as its overall development vision, uses SDGs as an integrated municipal management plan, and a comprehensive inventory of the relevance of governance plans and SDGs. There are corresponding plans for 17 goals. You can read it in our voluntary local review.



Read-around:
More about SDGs

Implement the five principles throughout Taoyuan

5 principles of sustainable development Goals



SDGs include the 5P principles, namely the "Planet" of environmental value, the "People" and "Peace" of social value, the "Prosperity" of economic value, and the "Partnership" at the implementation level.

As the youngest city in Taiwan, Taoyuan has undergone rapid development and changes in recent years. We look forward to reviewing policies through the United Nations measurement indicators and summarizing the target values for 2030 into our vision for sustainable development in the future. Implement the five important principles of sustainable development, so that our Utopia can continue to be beautiful.



The five values of sustainable development and their corresponding goals

* Please refer to page 4 for icon explanation



People



Because of poverty, many people in the world still face issues such as malnutrition, poor sanitation, disease, lack of clean drinking water, and lack of education opportunities. There is still serious gender discrimination in some places. Therefore, from a global perspective, the primary principle of SDGs is to solve the problems derived from basic human need.



Prosperity



Only through economic growth can poverty be eliminated and the gap between the rich and the poor can be reduced. However, while pursuing economic growth, we must take into account the sustainability of the environment. Therefore, we need to achieve the principle of prosperity through industrial and technological innovation.



Planet



In the past, excessive pursuit of economic growth has caused the destruction of the natural environment, triggering climate changes and facing an extinction crisis of animals and plants. In order not to compromise the rights and interests of future generations, humans must pursue a way of living and production that coexist and prosper with the natural environment.



Peace



World peace is the wish of most people, but some places still face wars, disputes, violence, persecution, terrorist attacks and other situations. Therefore, the principle of peace is to pursue harmony between people and move towards world peace.



Partnership



The practice of SDGs requires the joint cooperation of all units and all people including countries, regions, enterprises, schools, families, etc.



02 About Taoyuan city

The hub of Taiwan connecting the world

Taoyuan City is located in northwestern Taiwan. It was upgraded to a municipality directly under the Central Government on December 25, 2014. It is one of the six municipalities of Taiwan, and the hub of Taiwan connecting the world. Taoyuan International Airport handles nearly 45 million passengers annually and ranks among the top ten in terms of passenger and cargo volume in the world. Through the convenient transportation network, it connects all parts of Taiwan, whether it is the airport MRT, high-speed rail, Taiwan railway, or highway systems.

Pleasant climate

Taoyuan has a pleasant climate throughout the year. Rainfall is concentrated in late spring and summer. The typhoons that have affected Taoyuan City in the past 50 years accounted for about 14% of the total number of typhoons invading Taiwan. The terrain is a long and narrow shape extending from northwest to southeast. The slope on the northwest side is flat, and the slope gradually increases toward the southeast. Approximately half of the area is flat terraces, and possesses different landforms and species resources such as coastal wetlands and mountain forests. Hydrology is composed of reservoirs, rivers and creeks, ponds and canals, forming a special natural ecological system and settlement life culture.

Gender balance

**49.63 %**Male
population ratio**50.37 %**Female
population ratio

The total population is about 2.25 million, of which 49.63% are male and 50.37% are female, with a balanced gender ratio.

The youngest municipality in Taiwan

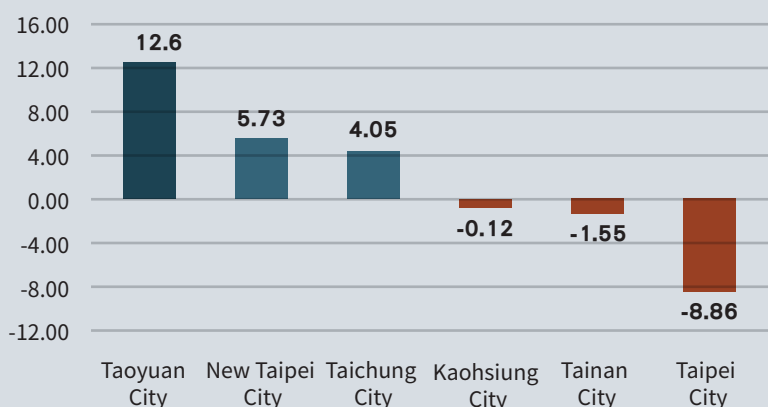
According to statistics at the end of 2019, Taoyuan is the youngest city among all municipalities in Taiwan.

	0-14years	15-64years	65years	Average Age
Taoyuan City	14.88% the highest	73.01%	12.11% the lowest	39.45 years the youngest
New Taipei City	12.10%	73.50%	14.40%	41.97 years
Taipei City	13.44%	68.49%	18.07%	43.21 years
Taichung City	14.23%	72.90%	12.87%	40.07 years
Tainan City	12.10%	72.17%	15.73%	42.57 years
Kaohsiung City	11.84%	72.35%	15.81%	42.53 years

The city with the fastest population growth

Taoyuan has the advantages of land, sea and air transportation, and actively provides employment, school and housing incentives to attract the overflowing population of Taipei City and New Taipei City.

The total population increase rate of the six municipalities in 2019 (‰)



At the end of 2019:

Population increase rate

12.60 ‰

ranked **1st**
in Taiwan

Natural increase rate

4.31 ‰

ranked **2nd**
in Taiwan

Social growth rate

8.29 ‰

ranked **1st**
in Taiwan

International net
migration rate

0.66 ‰

ranked **3rd**
in Taiwan



Because of you, our city is more perfect.

Multi-ethnic city

There are different ethnic groups such as Southern Fujian, Hakka, Indigenous, new immigrants, migrant workers, among which the Hakka population accounts for 38%, the indigenous population accounts for 3%, the foreign population accounts for 6%. The proportion of Hakka, indigenous, and foreigners in the city's population are all ranked first among other municipalities, indicating that the population is diversified.





Industrial development equilibrium

The industrial development process is similar to that of other cities in Taiwan. It started with the early agricultural land reclamation and gradually transformed into a development model based on industry and commerce in accordance with the national economic policies and public construction.



Agricultural

0.30 %

In the early days, it was an agricultural society dominated by rice and tea production. As the main economic force in the 1950s changed to industrial development, agriculture was no longer the main industry in Taoyuan City. The agricultural products were mainly vegetables and rice. Livestock production is dominated by stock farms and dairy farming.



Industry

72.70 %

Being the main economic force, the industrial output value of Taoyuan is the first in Taiwan, and it is the northern Taiwan manufacturing and warehousing logistics center. The manufacturing industry is dominated by electronic parts and component manufacturing, air transport, computers, electronic and optical products manufacturing, and motor vehicles and parts manufacturing. With the evolution of the times, the industry has changed from being labor-intensive in the early days to being guided by innovation, wisdom and technology.



Business and
service industry

27.00 %

After the opening of Taoyuan International Airport in 1979, demand for commercial and service industries increased, and densely populated areas gradually formed a business district. As of 2002, the number of employees in the business and service industries had surpassed the employees in industry, indicating that Taoyuan City has moved toward a commercial and service-oriented economic development, with wholesale and retail, transportation and storage, and financial and insurance industries as the main industries. In addition, in cooperation with the central factory tourism guidance measures, traditional factories with tourism and educational value will be transformed into tourism factories. Taoyuan City has the second largest tourism factories in Taiwan. With rich natural and human resources, it has abundant tourism and cultural potential.

Sound municipal government organization

Taoyuan City Government has 32 bureaus and 3 business organizations. In addition, there are promotion committees and dedicated offices related to sustainable development. The difference from other county and city governments is that there are Department of Youth Affairs, Department of Indigenous Affairs, Department of Hakka Affairs, Department of Information Technology and three-level organization Office of Coast Administration Construction (under the Environmental Protection Administration). It reflects the characteristics of Taoyuan City's young population, diverse ethnic groups, emphasis on the development of smart technology, and emphasis on coastal ecological conservation. (The following figures omit district offices and secondary agencies)

Organization Structure of Taoyuan City Government

Organization Structure of
Taoyuan City Government

01

Department of Civil Affairs

02

Department of Education

03

Department of Social Welfare

04

Department of Labor

05

Department of Finance

06

Department of Economic Development

07

Department of Agriculture

08

Department of Land Administration

09

Department of Urban Development

10

Department of Public Works

11

Department of Water Resources

12

Department of Indigenous Affairs

13

Department of Transportation

14

Department of Tourism

15

Police Department

16

Department of Public Health

17

Department of Environmental Protection

18

Fire Department

19

Department of Cultural Affairs

20

Department of Taxation

21

Department of Legal Affairs

22

Department of Hakka Affairs

23

Department of Youth Affairs

24

Department of Sports

25

Department of Rapid Transit Systems

26

Department of Information Technology

27

Department of Public Information

28

Secretariat

29

Department of Personnel

30

Department of Budget, Accounting and Statistics

31

Department of Governmental Ethics

32

Research and Evaluation Commission

Public enterprise

Taoyuan Fruits & Vegetable Mart

Public enterprise

Taoyuan Metro Corporation

Public enterprise

Taoyuan Aerotropolis

03 Start the Plan of Voluntary Local Review

**Planning the future of sustainable homeland
with municipal management plans.**



Taoyuan City is the fastest growing city in Taiwan. With the rapid population growth and concentration in the city, the original space and public facilities in the city are insufficient. As a result, issues such as increased housing costs, resource conservation facing spatial conversion, environmental pollution, and increased carbon emissions have arisen. The widening urban-rural gap has also spawned fair issues such as health care, education, and social resource allocation. In addition, due to the diverse population composition, resource allocation and equality among different ethnic groups, age groups, and genders, as well as the preservation of multiculturalism are also important issues. In recent decades, the overall environment, economy and society have faced major changes. In terms of the environment, under the influence of global warming and climate change, the probability of various disasters has gradually increased, and uneven rainfall has led to a crisis of water shortage, affecting people's lives and property. In terms of economy, with the transformation of industrial patterns, whether it is agriculture, industry or commerce, it is necessary to adapt to changes to pursue sustainability and reduce carbon emissions. In terms of society, with the rapid changes in society, crime rates have risen and crime patterns have changed; education patterns are no longer limited to traditions; traditional top-down governance methods cannot meet the needs of the people.



It is **IMPERATIVE**
to promote sustainable development action plans.

Taoyuan City has been paying attention to environmental issues for a long time. While taking into account economic development, it emphasizes circular economy and energy saving and carbon reduction with a sustainable development mindset, including green industry, green transportation, green space, green energy, green procurement and other policies to create a smart resilient city where you can live and work in peace and contentment, and promote environmental education to take root. In terms of social development, it also pays attention to ethnic equality and gender equality, promotes citizen participation and voluntary service, encourages community building and local creation, supports social enterprises and non-profit organizations, and hopes that citizens will promote social progress and create a healthy and friendly city.

Looking back at the sustainable development of Taoyuan City, it can be traced back to 1988. In response to the rising awareness of environmental protection in the society, the Department of Environmental Protection was established to promote environmental protection. In 2004, the Council for Sustainable Development and the Environmental Education Counseling Group were established. In addition to their respective powers and responsibilities to continue to promote related businesses, after restructuring into a municipality in 2014, they have actively established promotion committees or special offices related to sustainable development, such as Taoyuan Smart City Promotion Committee, Healthy and Aging-Friendly City Promotion Committee, Gender Equality Office, Low-Carbon Green City Promotion Group, etc., to promote various sustainable development action plans through different task groups and inter-agency coordination mechanisms.

Organizations related to sustainable development in Taoyuan City

April
2015



Smart City Promotion Committee

The organization participated in the evaluation of the "Intelligent Community Forum" (ICF). Over the years, it has successively won the world's 21 smart cities (smart 21) 10 times, the world's 7 smart cities (top 7) 4 times, and won the "Intelligent Community of the Year" (Top 1).

June
2015



Healthy and Aging-Friendly City Promotion Committee

It is divided into three working groups: Friendly Environment Group, Cultural Tourism Group and Health and Welfare Group. In October 2018, the 8th Global Conference of the Alliance for Healthy Cities (AFHC) was held in Malaysia and won 27 awards for publication of the conference.

April
2016



Office for Gender Equality

It is Taiwan's second government organization to establish a gender equality office, and has won the Executive Yuan's Project Excellence Award and other awards.

July
2016



Low Carbon Green City Group

Formulated and promulgated the "Taoyuan City Development Low-Carbon Green City Autonomy Ordinance", which is the third city in Taiwan to implement the Low-Carbon Autonomy Ordinance. It continues to participate in international organization meetings, declarations and actions, and exposes basic emission information on international platforms for interaction.

July
2017



New Immigrants Cultural Center

The organization combines the strength of the public and private sectors, respects multiculturalism, emphasizes importance to the human rights of new immigrants, and implements new immigrants' services, and actively demonstrates the multicultural charm of new immigrants, and builds Taoyuan City into an international friendly city with multicultural coexistence and common prosperity.

September
2017



Social Business Center

It is the first city in Taiwan to be certified as a social business city.

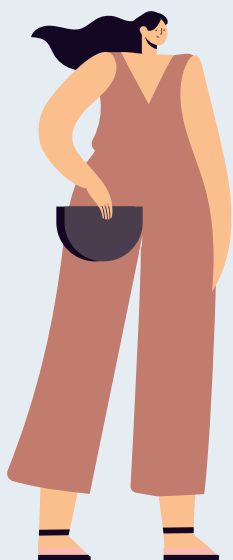
February
2018



Green Energy Project Office

This organization handles and formulates renewable energy and energy-saving subsidy policies, promotes the Development of Renewable Energy, counsels major electricity users to implement renewable energy facilities, and promotes energy-saving activities such as energy saving and carbon reduction.

Taoyuan City's Sustainable Development Process



Promotes international exchanges

Taoyuan City actively expands city diplomacy through participating in international organizations, international conferences, international competitions and other activities. It also actively handles international sports events and promotes international exchanges. In July 2018, New York City became the first city in the world to publish a voluntary local review. In March 2019, Taoyuan Mayor Cheng Wen-Tsang visited New York City and was invited by New York City to participate in the United Nations Sustainable Development Goals Program. In April 2019, the municipal council officially announced the launch of Taoyuan City's Voluntary Local Review, using SDGs as the integrated municipal management plan.

Taoyuan City's participation in important international exchanges in recent years

International organizations

- CityNet
- Sister Cities International, SCI
- Local Governments for Sustainability, ICLEI
- Intelligent Community Forum, ICF
- Alliance For Healthy Cities, AFHC



International conference

- United Nations Framework Convention on Climate Change, Conferences of the Parties (COP)
- ICF Global Summit
- Local Governments for Sustainability, ICLEI

International appraisal

- Completed the Carbon Disclosure Project's (CDP) greenhouse gas survey and reported for the first time in 2016, affirmed by the CDP, and **was selected as the 5 best newly registered cities in 2016**.
- In accordance with Global Covenant of Mayors for Climate & Energy (GCoM) standard, and **received a four-stage badge** in 2018.
- In 2018, Taiwan's first "Participatory Budget Plan for Migrant Workers in Southeast Asia" was submitted to participate in the International Observatory on Participatory Democracy (IOPD) competition, and was awarded the "**Best Citizen Participation Practice Award**" in Barcelona, Spain.
- Participated in the ICF Global Summit in 2019 and won the "**Intelligent Community of the Year**" (Top 1).

A close-up, warm-toned photograph of a person's hands and arms. They are wearing a thick, brown, ribbed sweater. On their left wrist, they wear a black watch with a dark strap. Their hands are positioned over a laptop, which is partially visible on the right side of the frame. The background is softly blurred, showing what appears to be a window with light coming through. The overall mood is focused and professional.

2 Preparation of the Review and Policy Guidelines

01 Organize governance plans

With the development vision of "Friendly and Sharing, Sustainable and LOHAS", Taoyuan City is committed to achieving the three major goals of "Healthy and Friendly", "Livable and Decent Work", and "Smart and Resilient", and has formulated 10 policy guidelines that closely align with the 17 goals of SDGs. Taoyuan City positions SDGs as a method of municipal management, because Taoyuan City's public policies in environmental protection, public construction, social welfare, and education are planned for the needs of citizens' lives and urban development, which are necessary and sustainable. The voluntary local review is based on the common language of SDGs, to grasp whether the policy is beneficial to the sustainable development of the city, and to understand the inadequacies of the policy, and then propose diligent practices. Therefore, Taoyuan City first takes an inventory of the plans, fully grasps the relevance of the plans and SDGs, and establishes a sustainable development strategy framework and evaluation mechanism for Taoyuan City.

Review by goals

1.1

Plan inventory meeting

A comprehensive inventory of plans related to sustainable development. The inventory includes existing governance plans and plans to be implemented. Two plan inventory meetings were held, chaired by the deputy secretary-general, and asked all bureaus personnel to participate. Sorting the degree of relevance between the plans and the goals of the SDGs, aggregating the 312 projects with a higher degree of relevance, and writing the first draft of the report, which will be reviewed and confirmed by each bureau.

Review by goals

1.2

Expert and scholar review meeting

After the first draft of the report was completed, six experts and scholars who specialize in sustainable development issues such as environmental, social and economic fields were invited to hold a review meeting to propose amendments to make the report more refined.

Review by goals

1.3

Agency coordination meeting

According to the goals covered by sustainable cities and communities, social, economic, environmental, etc., four coordination meetings were held, presided over by the deputy secretary-general, and all colleagues at or above the director level of the bureaus and divisions participated. These meetings reviewed the breakdown targets under each goal on a case-by-case basis. As a result, a total of 392 projects were reviewed and further were adopted to revise the first draft of the report.

Review by bureaus

1.4

Final review and confirmation

After the revision of the first draft of the report was completed and after the report of the municipal council was completed, in order to make the content of the report more comprehensively demonstrate the sustainable value of governance, nine leaders' consensus meetings were held. The meeting was presided by the mayor. The heads of each bureau reported on the development vision of the agency, SDGs-related goals, key goals, key plans, governance values, and evaluation indicators. After repeated revisions, the same types of plans were merged into a total of 288 plans. The results were included in this report and were reviewed and confirmed by various bureaus.



02 Establish an indicator system

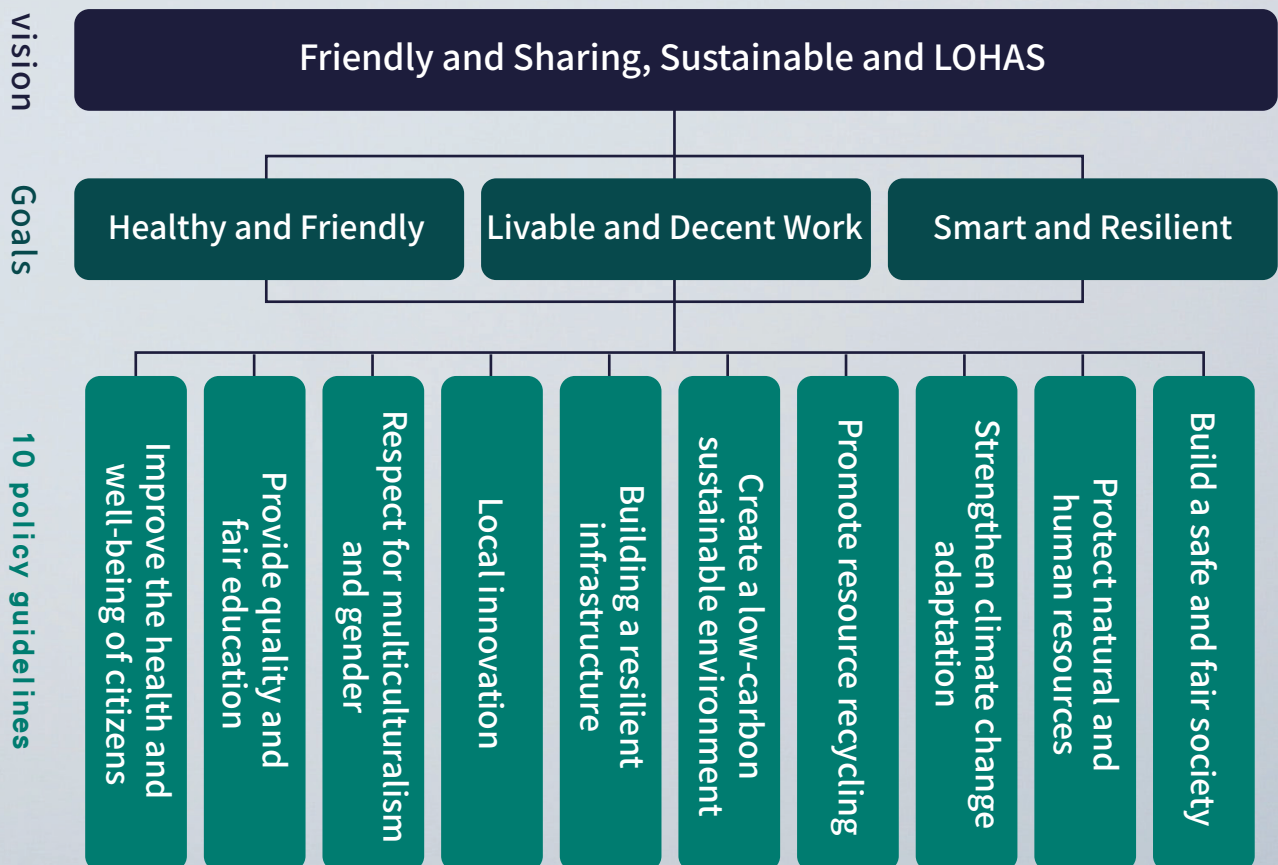
In order to facilitate the subsequent quantitative description of the achievement of each goal, in the operation of this plan, in addition to the existing indicator system of Taoyuan City, it also collects relevant domestic and foreign indicators, including international sustainable development indicators (such as SDGs, ISO37120 international city statistical indicators... etc.) and other domestic indicator systems (such as the sustainable development indicators of the Executive Yuan, important statistical indicators of other Municipalities... etc.).

An indicator construction workshop was held in August 2019, with the participation of section chiefs and colleagues from each bureau. Through group discussions of 17 objectives, participants brainstormed and discussed possible indicators. In addition to serving as an outpost for indicator construction, it also allowed participants to better understand SDGs. Afterwards, through 4 agency coordination meetings and 9 leaders' consensus meetings, the definition, rationality, validity, and ease of data acquisition of the indicators were reviewed again, and the indicator values from 2015 to the current stage were also reviewed to facilitate the further setting of 2030. After repeated reviews, numerous bureaus submitted a total of 372 indicators, and finally 59 were selected for inclusion in this report.



03 Establish a sustainable development strategy framework

Taoyuan City has a diverse population composition. In order to allow different ethnic groups to feel the city's friendliness and sustainable living, the vision of sustainable development is "Friendly and Sharing, Sustainable and LOHAS". It is divided into 3 goals and 10 policy guidelines, namely "Healthy and Friendly", "Livable and Decent Work", and "Smart and Resilient".



» 1 Vision

Friendly and Sharing, Sustainable and LOHAS

» 3 Goals

Healthy and Friendly

In addition to continuing the existing "healthy and aging-friendly city" related policies, as the health guardian of the citizens, the friendliness is not limited to being friendly to the elderly. It is to expand the level and provide a more friendly environment and policies for different age groups, different genders, and different ethnic groups, thereby promoting an equal and harmonious society.

Livable and Decent Work

As the youngest city in the six municipalities, "Supporting the first mile and becoming the city of first choice for youth" has always been an important policy for Taoyuan City, hoping to provide employment opportunities for industrial development while creating a high-quality and comfortable living and working environment. Supplemented by social support, the city becomes suitable for living, working, traveling, learning, raising, etc. Not only does it enhance the happiness of the citizens, but it also allows people who come to work, study, and play to experience Taoyuan City's vigor and charm.

Smart and Resilient

In addition to continuing efforts to build a "smart city", it also applies smart technology to disaster prevention and enhances urban resilience, and actively promotes cross-office low-carbon green city plans, pursuing environmental sustainability and strengthening urban resilience.

* Please refer to page 4 for icon explanation



» 10 Policy guidelines

01 Improve the health and well-being of citizens

As a health guardian from birth to old-age, Taoyuan City is committed to building a healthy city.



02 Provide quality and fair education

Committed to providing high-quality and fair school education, social education for all ages, and focusing on technical and vocational education training and smart learning.



03 Respect for multiculturalism and gender

It has rich and diverse Southern Fujian, Hakka, indigenous culture, as well as new immigrants and migrant workers. It respects the development of multiculturalism and is friendly to different ethnic groups, and is committed to promoting gender equality.



04 Local innovation

Local creation and industrial innovation are the two important policies of Taoyuan City's industrial development. Not only does it promote sustainable industry, but also promotes sustainable agriculture and sustainable tourism. It is hoped that all industries at all levels can move towards sustainable development.



05 Building a resilient infrastructure

Integrate circular economy, ecological construction methods, green buildings, and smart buildings into the construction of public projects to lay a foundation for resilience in the city.



06 Create a low-carbon sustainable environment

Through the cooperation of citizens, the City is committed to promoting low-carbon green cities and low-carbon sustainable homes to achieve the goal of energy saving and carbon reduction.



07 Promote resource recycling

Both the public sector and private enterprises are committed to promoting a circular economy, and public construction implementing resource recycling.



08 Strengthen climate change adaptation

Emphasize importance on climate change adjustment and disaster prevention, and use smart governance and citizen cooperation to jointly respond to the challenges of global climate change.



09 Protect natural and human resources

From coasts, terraces to mountains, there are water systems (ponds, wetlands, rivers and ocean) and mountain resources and landscapes, rich in flora and fauna, as well as precious cultural assets and cultural heritage.



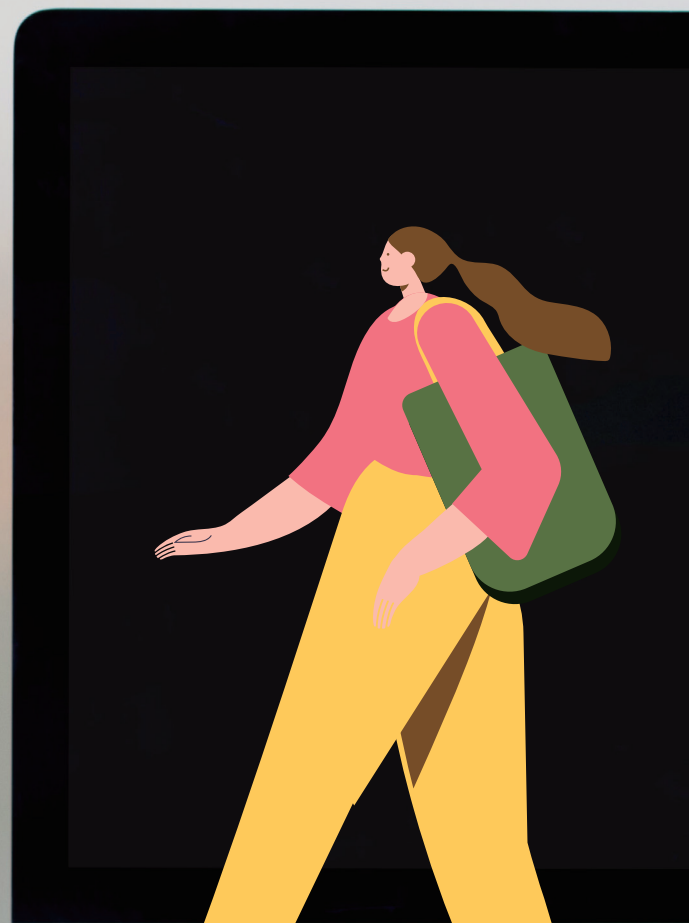
10 Build a safe and fair society

Emphasizing importance on social welfare policies, caring for disadvantaged ethnic groups and providing social support, respecting the equality of different ethnic groups and genders, attention to safeguarding the personal safety of citizens, and striving to promote transparency in governance and value public opinion.



3 Goals and practices

In order to implement the sustainable development strategy framework, Taoyuan City uses the 17 SDGs to review the core values of important governance plans, to reflect on the relationship between the plan and sustainable development, and use indicators to evaluate the performance of the plan and set future prospects. Pursuing a balance among the three major aspects of environmental conservation, social equity, and economic growth.





End poverty in all its forms everywhere.

Taoyuan City provides relevant social assistance for disadvantaged families, the elderly, and the disabled, to help the disadvantaged groups to maintain their basic living needs, gradually move towards economic independence and escape poverty.

Assistance for disadvantaged families

1.1 Social safety net

Taoyuan City is "family-centered", with economic security, personal safety, and mental health as the framework, combined with school counseling, employment services, public security maintenance and other systems, and supporting family services (such as parental education, parenting, housework, drug and alcohol addiction, employment, etc.), caring for disadvantaged children and families in need, strengthening the community's early warning implementation and notification mechanism, stationed services, etc., to improve the resilience of vulnerable families and prevent vulnerable families from getting into trouble. **In 2019, the coverage rate of care visits for vulnerable families reached over 85%.**

1.2 Micro-insurance and financial subsidies for disadvantaged groups

Micro Insurance Program for Vulnerable Households

Taoyuan City launched the nation's only "Micro Insurance Program for Vulnerable Households" in 2014. The main financial burden of vulnerable households is covered by a micro-insurance of 300,000 NTD. The premium is paid in full by Taoyuan City to prevent vulnerable households from falling into unexpected risks. Due to economic difficulties, **about 38,000 people paid for insurance in 2019.**

1. Living allowance for disadvantaged children and adolescents

For disadvantaged families who are unable to support their children due to the death of parents, divorce, disappearance, illegitimate birth, etc., the allowance provides living support for disadvantaged children and adolescents at 2,155 NTD per person per month (reviewed and adjusted by the price index every 4 years). In order to maintain its basic economic and living needs, **benefiting about 80,000 people every year.**

2. Living allowance for low-income families and children

For low-income households registered in Taoyuan City and the economically disadvantaged, low-income households and children's living allowances are provided, with a monthly subsidy of **6,358~12,218 NTD** per household (reviewed and adjusted according to the price index every 4 years). People receive a monthly subsidy of **2,802 NTD** to reduce the economic burden of low-income households in life, education, health, etc., **benefiting about 100,000 people every year.**

3. Other service

It also provides free nutritious breakfast and lunch for disadvantaged students (goal 2), subsidies for school expenses, after-school care services (goal 4), and counseling measures to promote the employment of disadvantaged groups (goal 8).

1.3 Children's Future Education and Development Account

Set up a special account

In order to assist economically disadvantaged families, deprived children and teenagers to invest in the future and escape poverty, Taoyuan City has set up a special account for the future education and development of children and teenagers, combined with private units to invest resources, encourage parents and children to save 500, 1000, or 1,250 NTD (up to 15,000 NTD per person per year), the City allocates a 1:1 ratio to accumulate future education and employment development funds for children from economically disadvantaged families before the age of 18.

Encourage account opening

In order to encourage account opening, Taoyuan City pioneered an additional subsidy for the first installment of the deposit bonus for opening an account and providing a 500 NTD gift certificate as an account opening reward. For those who have been saving for 1 year, a gift certificate of twice the denomination of the agreed monthly deposit limit amount for the current year will be issued; diversified services such as financial seminars, individual consultations and support groups. **In 2019, the account opening rate of special account applications reached 50%, and the continuous deposit rate reached 60%.**

1.4 Cable TV fee reduction for disadvantaged groups

In order to reduce social disadvantages, low-income households in Taoyuan City are exempted from basic channel viewing fees and installation fees, and there are discounts on Internet access, until July 31, 2020, **10,660 low-income households have received the benefits.** Low- and middle-income households' monthly basic channel viewing fees are calculated at half price, until July 31, 2020, **4,261 low- and middle-income households have received the benefits.** This ensures that disadvantaged people will not be affected by cable TV viewing rights and information access rights due to economic restrictions, and maintain human rights and fair access to information.



Assistance for the elderly

1.5 Financial assistance for the elderly

Monthly subsidy for the low- and middle-income elderly

In order to reduce the economic burden of the low- and middle-income elderly, Taoyuan City issued a living allowance for the low- and middle-income elderly. Depending on the situation, a monthly subsidy of **3,879~7,759 NTD** will benefit approximately **90,000 people** each year.



Four festivals bonus for the elderly

In order to maintain the economic security of the elderly, the virtues of respect for the elderly are given to the elderly. Citizens' gifts for the three festivals (Spring Festival, Dragon Boat Festival, and Mid-Autumn Festival) are 2,500 NTD each, plus 2,000 NDT for the Double Ninth Festival, giving a total of 9,500 NTD each year. In 2019, about **780,000** benefited.

Other subsidies and services

Taoyuan City provides food delivery services for the disadvantaged and disabled elderly at home (goal 2), and also provides financial support such as health insurance subsidies for the elderly, oral medical subsidies, and long-term care, health promotion programs (goal 3), senior learning and evergreen academy (goal 4), employment promotion plan (goal 8).

1.6 Taoyuan City Citizen Card-the Elderly and Love Card

In order to encourage the elderly and the disabled to go out and visit friends and increase social participation, Taoyuan City promotes the Taoyuan City Citizen Card—the Elderly and Love Card. The card contains a "cash wallet" that can store cash at your own expense and social benefits provided by the Taoyuan City Government. "Points Wallet". The City **subsidizes 800 social welfare points per month, and those registered in the Fuxing District are granted 1,000 points.** The current offers are:

Enjoy discounts for public transportation

Ticket holders can enjoy discounted fares or discounts for public transportation (including buses signed by Taoyuan City, Taoyuan Airport MRT, accessible Taxi, etc. **There are approximately 13.12 million passengers (trips) with the Elderly and Love Card in 2019.**

Enjoy sports facilities discounts and free services

Ticket holders can enjoy Taoyuan Civil Sports Center venue facilities, venue rental fee discount and free public welfare hours (8-10 a.m. and 2-4 p.m.), and Taoyuan municipal swimming pool ticket subsidy.

Free admission to scenic spots

Taoyuan City Entrance fees are free for scenic spots with the Elderly and love Card.

Other services

Taoyuan City also has friendly transportation services for the elderly such as long-term care services, dedicated cars and caring taxi fleets (goal 11).

1.7 Social care for substitute services draftees

Taoyuan City, through the social care service of substitute services draftees, arranges for substitute services draftees to visit the elderly living alone, to chat with the elderly, give condolences to the elderly, help organize the home environment, so that the elderly living alone can have a clean and warm home environment. And let the substitute services draftees learn the dedication spirit of caring for the disadvantaged and serving the community.

1.8 Living allowance for the disabled

Monthly subsidy for the disabled

In order to reduce the financial burden of the disabled, Taoyuan City provides living allowances for the disabled to maintain their basic lives. Those who are registered in Taoyuan City and are eligible for subsidies will receive a monthly living allowance of **3,772~8,836 NTD**, depending on the situation. In 2019, a total of approximately **1.4 billion NTD** were subsidized and more than **280,000 people** have benefited.

Other subsidies and services

The disabled can also apply for Taoyuan City Citizen Card- the Elderly and Love Card (plan 1.6). In addition, because the oral health of the disabled is worse than that of the general population, Taoyuan City also provides oral medical subsidies for the disabled citizens of low- and middle-income households (goal 3).

1.9 Actively approve and counsel the disabled to use license tax exemption operations

Actively exempt the disabled from tax using tax license

In view of the fact that most disabled are socially disadvantaged or do not understand administrative procedures, Taoyuan City continues to target vehicles for the disabled who have renewed their appraisal or newly hold handicap manuals or certificates based on public welfare, and actively approve the license tax exemption provided for the disabled. **Approximately 1,300 pieces of exemption are actively approved each year.**

Exemption using vehicle license tax for spouses or relatives

For the disabled who do not have a driver's license and do not own a vehicle, they can apply for license exemption cases with their spouse or relatives within 2 relatives, and actively counsel to protect the rights and interests of the disadvantaged. There are **about 3,700 cases per year.**

1.10 Community Resource Center for the Disabled

In order to allow the disabled to enjoy fair services nearby, Taoyuan City has established community resource centers for the disabled in the east, west, south, and north areas to provide overall and continuous services. Individualized professional services, including diversified support and career transfer, case management, family support for the elderly with mental disabilities, and welfare advocacy, so that the different needs of life welfare for the disabled can be connected, to enjoy a stable life and improve the quality of life

1.11 Taoyuan Assistive Technology Center

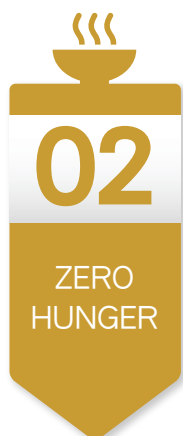
Provide multiple services

In order to reduce the financial burden of the disabled, and to help the disabled use assistive devices to overcome physiological barriers and promote self-care ability, Taoyuan City established the South and North District Assistive Technology Center to provide a single consultation window and multiple services, including Assistive equipment evaluation, usage of training, maintenance, second-hand assistive equipment recycling, assistive equipment borrowing and matching, outreach locations and tour points services, etc., and provide center, designated and home services. In 2019, there were **25,064** assistive device service consultations, **3,693** evaluations (including training), **3,818** second-hand assistive device recycling, **3,590** assistive device repairs, **2,741** assistive equipment borrowing and matching.

Other services

In addition to the above plans, Taoyuan City also provides food delivery services (goal 2), health promotion programs (goal 3), school and transportation subsidies from pre-school to high school (goal 4), career reconstruction service and employment promotion plan (goal 8), and friendly transportation services (goal 11).





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

Food is the first necessity of people. Taoyuan City emphasizes great importance to the food care of disadvantaged groups to reduce hunger. It is committed to promoting organic agriculture, safe agriculture, and resilient agricultural production methods to achieve food security. Through food and agriculture education, help the public understand the characteristics of local agriculture and the importance to health.

02

Meal care for disadvantaged groups

2.1 Setting Up Physical Bank and Good Food Project

Taoyuan City provides basic meal care and food assistance for disadvantaged families to reduce health, stealing, crime and other social problems caused by hunger or poverty, and strengthen social security.

Setting Up Physical Bank

Taoyuan City systematically manages non-governmental donated materials through a supplies bank. Strict management and control are in place from warehousing inventory, quality, logistics and warehousing, and social work distribution rules to ensure that materials can be delivered to those who really need help. **In 2019, there were 20 supplies banks, serving 29,217 people, and 9,026 disadvantaged families.**

Good Food Project

Matching willing and caring businesses to provide meat, vegetables, dried goods and other food materials (products). Through the Taoyuan City Good Food Network to match private groups, meals are made for disadvantaged groups such as elderly people living alone. To supplement the dietary and nutritional needs of disadvantaged people, reduce food waste, and improve the efficiency of the use of food materials (products). **In 2019, there were 30 cooperative merchants under the good food project, linking 18 community care bases and social welfare units.**

Supplies Voucher

- Taoyuan City provides **22,000** Supplies Vouchers with a denomination of 50 NTD each year to provide disadvantaged students to exchange meals or daily necessities.

- A supply voucher with a denomination of 100 NTD per household or a supply voucher with a denomination of 80 NTD per household is provided to help disadvantaged families with hunger.

2.2 Food delivery service

In order to cater for the nutritional needs of the disabled and parents of the disabled, Taoyuan City has cooperated with non-profit organizations to provide 365 days a year-round meal delivery service, serving the local people through local units, and giving humane care and companionship. Long-term follow-up assessment and individual needs, a maximum of 2 meals (lunch and dinner) per day, plus dishes during the Spring Festival, **served 509,000 meals in 2019.**

2.3 Free nutritious breakfast and lunch for disadvantaged students

In order to cater for the nutritional needs of students from economically disadvantaged families such as low-income households, low-middle-income households, family in poor conditions, and sudden changes in their family circumstances, so as to improve their physical fitness, learning ability and health, so that they can study at ease, Taoyuan City subsidizes economically disadvantaged students breakfast and lunch on school days, lunch on school activity days, and daily lunch on winter and summer vacations. **The annual investment is about 237 million NTD. It is expected to take care around 18,000 economically disadvantaged school children.**

Pay attention to food security

2.4 Promote organic and safe cultivation and practice local production for local consumption

Organic Vegetable Cultivation and Everyday Food Safety Project

Taoyuan City is the largest organic vegetable production and supply area in northern Taiwan. Taoyuan City actively promotes safe agriculture and organic cultivation. The area of organic agriculture production has increased year by year, and has reached 382 hectares in February 2020.

1. Everyday Food Safety Project

In order to promote organic farming and local sales, so that school children can enjoy safe and local ingredients, Taoyuan City Junior High and Elementary Schools provide nutritious lunches, 3 days a week of local organic vegetables, 1 day of local Produce and traceable vegetables, and non-genetically modified food ingredients every day, and form a joint inspection team to cooperate with regular and irregular inspections to conduct full-process inspections and control to ensure the safety and quality of lunch. **In 2019, 175 million NTD was invested and more than 200,000 students have benefited.**

2. Order organic vegetables through the Internet

Taoyuan City also matched with local organic vegetable manufacturers, and organized a local high-quality agricultural vegetable box home delivery service. The organic distribution center of the Taoyuan City Farmers Association assisted in packaging and distribution, so that the public can order organic vegetables through the Internet.

Organic tea

In terms of promoting the organic cultivation of tea gardens, organic fertilizers are used to supply the nutrients needed for the growth of tea trees, and agricultural wastes are effectively used as resources. Operators of organic tea gardens can obtain the mark of "organic tea" products through certification. The organic tea planting area has reached **8.3 hectares**.

Food and agriculture education

1. Farming experience courses

Taoyuan City combines food farming and food safety education, using local specialty crops to conduct experience courses, so that the public and schoolchildren can learn about cherishing crops and caring for the land through the experience of farming in junior high schools, and cultivate the concept of organic agriculture and friendly environment.

2. Food and agriculture education

In the Taoyuan Wildlife Animal Sanctuary, the education of food and agriculture is promoted by means of exploration, experience and knowledge, various courses for food and agriculture are planned, and education materials for food and agriculture are integrated, and curriculum teaching plans are planned in combination with community resources, including:

- Leading nearby farmers to understand the organisms in the rice field.
- Teaching farmers to use natural farming methods and organic cultivation to understand the production environment and agricultural culture of local agriculture.
- Cultivate simple farming skills through community participation, experience agricultural production and ecological experience.
- Support local small-scale farmers' markets and integration of environmental education thinking to help local rural areas develop local economies, so that farmers' livelihoods and environmental conservation can be taken care of.

Through the above methods, local farmers and participating people can understand the importance of biodiversity and develop safe agriculture in a way that respects the environment and is ecologically friendly.



2.5 Promote safe agriculture

Expand traceable verification area

In order to make production information transparent and make it easier for consumers to find high-quality agricultural products, Taoyuan City encourages farmers to participate in agricultural product certification and use traceable labels to produce traceable agricultural products, strengthen the competitiveness of agricultural products, improve the identification and quality of agricultural products, and pass the traceable verification, and additional subsidy for farmers traceable verification fee. **As of the end of March 2020, the traceable verification area had reached 699.51 hectares.**

Pesticide residue inspection and mobile pesticide inspection vehicle

Taoyuan Fruit and Vegetable Wholesale Market has set up a "pesticide residue inspection room" to conduct daily random inspections of pesticide residues in fruits and vegetables, implement the inspection process of pesticide residues in fruits and vegetables, upload the results of the inspection to the Internet, and link the production history to the database of traceability websites to provide transparent food safety data Information, and a high-quality and safe production and sales management system has also been established. In addition, the City will set up mobile pesticide inspection vehicles to assist in mobile inspections of institutions, schools and production areas to ensure food safety.

2.6 Improve inspection capacity

Taoyuan City emphasizes great importance to food hygiene and safety, therefore it has **set up a Specialized Laboratory for Animal Use Medicine, which has obtained the Symbol of National Quality.** The plan is to increase the inspection volume and control of high violation, high concern, and high-risk food which includes items such as food additives, pesticide residues, and food microorganisms to reduce the market circulation rate of illegal food.

2.7 Avian influenza prevention

In order to pay attention to the food safety of livestock products and prevent the pathogens of avian influenza, the City promotes the following tasks:

Conduct lectures and disinfect

Organized bio-safety promotion seminars on poultry farms, and dispatch disinfection vehicles to remove potential pathogens in public areas, slaughterhouses and tally yards.

Strengthen the inspection

Strengthen the inspection of poultry farms, and adjust the industrial structure towards a high biosafety production model.

Avian influenza surveillance in poultry farms

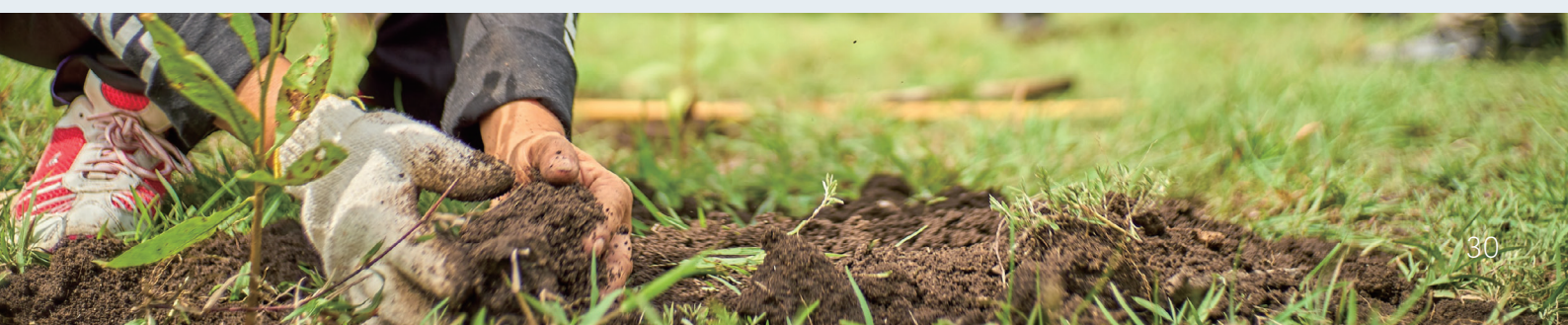
Perform serological and biological monitoring of avian influenza in poultry farms, and implement immediate prevention and control measures to prevent the spread of epidemics.

Epidemic prevention and improvement of sanitation environment

By assisting in epidemic prevention and improving the sanitary environment of livestock production, and stabilizing the production and sales adjustment mechanism, the Taoyuan chicken brand has been established.

2.8 Graded assessment of food service hygiene management

In order to improve the implementation of hygiene autonomous management by food service operators and enable consumers to have healthy and safe food, the City issued the "Excellent and Good" hygiene autonomous management grading certification mark for good operators through the "Graded Assessment of Food Service Hygiene Management" and guidance on the traceability of food sources. It is also posted on the department of Public Health website to provide citizens with a reference for consumption choices. **In 2019, 199 companies passed the inspection, of which 153 were excellent and 46 were good.**



Improve rural productivity

2.9 Young farmers cultivation

Taiwan's agriculture is facing such issues as a rapid aging of the rural population, the lack of job takers on farms, and the urgent need to supplement the agricultural grassroots labor gap. In order to cultivate young agricultural talents and solve the technical, land, capital, marketing and other thresholds faced by young people in agriculture, Taoyuan City has actively promoted the young farmers cultivation plan since 2015 and used the industry-government-academic cooperation mechanism to assist young farmers in agricultural production, these include required materials, packaging design fees and living allowance subsidies. It also provides basic knowledge of agricultural theory and practice, which encourages local youth in Taoyuan City to invest in agricultural production, to stimulate agricultural motivation and cultivate interest in farmers, which also enhances rural productivity and competitiveness, and improves residents' livelihoods. At present, **205 young farmers have been trained for six sessions, and the number of indigenous people has been guaranteed, with the number of women reaching more than 1/3 of the total number.**

2.10 Farm roads and canals improvement plan on agricultural land consolidation

Taoyuan City is the largest producer of vegetables in northern Taiwan. The rural infrastructure has been strengthened by improving farm roads and canals.

Widening of farm roads

Widen part of the farm roads to 4-6 meters, and pave asphalt concrete to facilitate the operation of large agricultural machinery.

Improve canals

Dredge and repair irrigation and drainage of canals, to improve water resources utilization efficiency, reduce floods, and reduce agricultural production risks.

From 2016 to 2019, a total of 19,442 meters of farm roads and 13,138 meters of canals were improved.



2.11 Agricultural Logistics Park

Cold Chain Logistics can ensure the quality of agricultural products, avoid loss of agricultural products during transportation, and increase agricultural output value and farmers' income.

Setting up the Taoyuan Agricultural Logistics Park

In order to solve the problem of cold chain disconnection in the export of vegetables, fruits, flowers and other refrigerated and frozen agricultural products, the Executive Yuan Council of Agriculture plans to set up the Taoyuan Agricultural Logistics Park in Dayuan District, covering an area of about 13.12 hectares. The park plans to introduce the cold chain warehousing and logistics industry, providing ornamental aquariums, flowers, fruits and vegetables, plant factories, seed and seedlings, frozen fish, meat and agricultural value-added industries such as temporary storage and cold chain distribution functions. It is utilized in international transshipment, packaging, and Integration, tally, processing, and import and export customs clearance services such as tax declaration, quarantine, inspection, customs clearance, etc., to create a modern pilot demonstration base for the cold chain distribution of agricultural products, and then become a strategic platform for the import and sales of Taiwan's agricultural products.



Sustainable food production system

2.12 Grand granary project

In order to ensure a sustainable food production system, increase agricultural productivity and productivity, and adapt to climate change and extreme climates, Taoyuan City cooperated with the Executive Yuan Council of Agriculture to promote the grand granary plan.

Improve the cereal industry chain system

Farmers are encouraged to grow grain crops and subsidize agricultural capacity production equipment; and set up production and collection equipment to improve production efficiency, expand production scale and operating area, promote the development of the cereal industry toward automation, intelligence, and labor saving, and improve the cereal industry chain system.

Develop other crops

Taoyuan City uses non-basic black soybeans as the main promotion crop, with a cultivation area of about 400 hectares, and at the same time develops other imported alternative potential crops, such as mesona, coix, green soybeans and camellia, with a cultivation area of about 590 hectares.

Land value tax registration inspections

In order to promote sustainable food production, Taoyuan City has also promoted land value tax registration and use status inspections, and conduct inspections of farmland subjected to levies, to return the non-agricultural and industrial land to normal farming and production use.

2.13 Farmland soil pollution control site improvement program

According to the survey results of the Environmental Protection Administration, and the "Soil and Groundwater Pollution Remediation Law", the City implements remediation of contaminated soil and groundwater. The "Farmland Soil Pollution Control Site Improvement Program" is used to improve farmland pollution, "Soil and Groundwater Pollution Investigation Plan and Verification Operations" to conduct early warning monitoring and pollution verification operations for sites with pollution risks. For Shenmei Pond, which was polluted by improper discharge from upstream factories, 127 million NTD was allocated to improve soil pollution.



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

Taoyuan City regards itself as the guardian of health for households and citizens from birth to death, therefore, it builds a complete and friendly medical care service system, pays attention to the universality and fairness of medical care, promotes sports and health concepts, and actively prevents diseases, drugs, and accidents to ensure the physical and mental health of citizens of all ages.

Disease Prevention

3.1 Health examination for children

Integrated health service plan for children

Children are the masters of the country's future. Taoyuan City promotes an integrated health service plan for children. A professional medical team composed of medical staff from various disciplines will actively provide 12 items of health examination for children in kindergartens. Holidays and nights services are also provided for preschool children who are not in school. In community events, about **50,000** children take the examination each year, with a screening rate of more than **90%**. Children with abnormal development can be detected early, and be provided with early treatment, to reduce family burden and social costs, and protect the future of children. **The health examination screening rate of children aged 0-6 in Taoyuan City is 86%, much higher than the Taiwan average of 77.7%.**

Early treatment services for children

In order to relieve the pressure of family care for children with development delays, Taoyuan City provides various early treatment services, training professional social workers or education and protection personnel, and informs the public through child development consultation, child health development screening, and multiple advocacy channels. The importance of early treatment and education is to achieve the purpose of early detection and early treatment, and to integrate relevant resources, provide parenting lectures, parent growth groups, improve parents' coping ability to reduce care pressure, and establish a friendly and inclusive environment. The number of services served in 2019 reached **129,055 visits**.

3.2 Epidemic disease prevention and control

Taoyuan City actively promotes the epidemic disease prevention and control, to eliminate the occurrence of tuberculosis, AIDS and other related epidemic diseases, which has achieved remarkable results in disease prevention and treatment.

- From 2006 to 2016, the prevention and treatment of tuberculosis was promoted, and the cumulative incidence of tuberculosis decreased by **44.87%**.
- The number of newly notified AIDS infections in 2018 decreased by **21.6%** compared to 2017.
- Since 2013, when vaccination of *Streptococcus pneumoniae* was promoted, the diagnosis rate of invasive *Streptococcus pneumoniae* infection (IPD) dropped by **50%** from 2014 to 2018.
- In 2018, the rate of community-borne vector mosquitoes with Brinell Index 2 or less mileage reached **90%**, effectively preventing dengue fever.



3.3 Pneumococcal conjugate vaccine vaccination for the elderly

Among the top ten causes of death in Taiwan in 2018, pneumonia was ranked third, and the most important pathogen causing community-type pneumonia infection is *Streptococcus pneumoniae*. Taoyuan City promotes the *Streptococcus pneumoniae* vaccine for the elderly and provides vaccines for indigenous people over 55 years old and seniors over 65 years old to maintain the health of the elderly. The pneumonia mortality rate dropped from 39.2 per 100,000 population in 2016 to 34.8 in 2018. **The pneumonia mortality rate is the lowest among all municipalities in Taiwan.**

3.4 Influenza vaccination

In order to protect people's health and avoid severe complications or deaths caused by influenza, Taoyuan City promotes the influenza vaccination program for the elderly and expands the scope of implementation year by year. By 2019, it had covered the following people:

- Children from 6 months to pre-school age.
- Elementary school to high school (occupation) students.
- Adults over 50.
- People at high risk of potential diseases.
- Pregnant women and parents of infants within 6 months.
- Professionals in kindergartens and childcare institutions.
- Institutional care recipients and their staff.
- Medical and health and epidemic prevention personnel.
- Livestock and animal epidemic prevention personnel.

3.5 Routine vaccination of children

Taoyuan City provides children with publicly funded vaccines, including bacilli Calmette Guerin vaccine, hepatitis B vaccine, etc. Through various routine preventive vaccinations, the incidence of infectious diseases is reduced, and the spread of diseases is reduced to ensure the health of children. In 2019, the coverage rate of routine vaccination for children under 3 years old reached **98.57%**, and the completion rate of supplementary dose vaccination for children under preschool age reached **93%**.

3.6 Vaccine delivery

Point-to-point vaccine delivery service

Vaccine delivery and storage must be strictly regulated at 2 to 8°C throughout the entire process to ensure the quality of the vaccine and the effectiveness of vaccination to achieve effective protection. Taoyuan City implements a point-to-point vaccine delivery service. Vaccines are delivered from professional medical logistics refrigerated trucks to district health clinics and contract medical institutions in Taoyuan City. During the delivery process, multiple devices, such as continuous temperature recorders, temperature monitoring films, and freezing monitoring are used.

Smart vaccine storage management system

By establishing a smart vaccine storage management system, the medical institute can apply for the required vaccines and quantities through the online platform, and check the application process and shipment notifications online. **In 2019, there were 4,097 deliveries of vaccines, an increase of 22.78% from 3,337 in 2018. The number of vaccines delivered was approximately 900,000 doses.**

3.7 Screening for cancers

Due to changes in lifestyle and eating habits, cancer has been ranked No. 1 among the top 10 causes of death in Taiwan since 1982. Among them, colorectal cancer and breast cancer are the most common cancers in men and women in Taoyuan City. Taoyuan City combines medical institutions and communities to provide screening for four cancers (cervical cancer, breast cancer, colorectal cancer and oral cancer) services to increase the willingness of the public to receive screening, and effectively promote cancer prevention through early detection and early treatment cure rate. **In 2019, the coverage rate of cancer action screening services reached 97%.**

3.8 Suicide prevention and promotion of mental health

Suicide prevention gatekeepers

Taoyuan City integrates and strengthens mental health infrastructure, strengthens suicide and other mental illness prevention and care services. For the 15-24 year-old group at high risk of suicide, suicide prevention gatekeepers are arranged for caring visits and professional counseling. Based on the suicide prevention notification system of the Ministry of Health and Welfare, the trend of suicide notification situation and planning response strategies are discussed. Continual education and training for teachers and suicide prevention gatekeepers, to help young people grow spiritually and face the challenges in life.

1995 hotline and psychological consultation

For people with emotional distress, a 24-hour "1995" hotline and free psychological consultation interviews are provided for psychological support.

High-risk group screening and referral

For elderly people over 65 years old who live alone and have chronic diseases, the City provides high-risk groups with mental health scale screening and referral services to prevent depression. And encourage psychiatric hospitals to handle alcohol addiction treatment and community referrals to ensure the mental health of citizens.

3.9 Toxic air pollutants audit and control

In order to avoid environmental pollution caused by toxic chemicals and affect the safety of citizens' lives and property, Taoyuan City has strengthened the promotion of management of toxic chemical substances and operating manufacturers, handling toxic chemical substances and chemical raw materials sellers' counseling visits, and strengthening the import of chemical substances and management and handling of manufacturers, reducing the disaster of toxic chemicals.



Drug control

3.10 Healthy and friendly community promotion

In addition to affecting personal health, drugs may also cause social problems. Drug control should be carried out by individuals, families, and communities.

Healthy and friendly community promotion program

The program encourages and assists the community in creating a healthy and friendly living environment that is smoke-free, non-toxic, non-hazardous and caring. By handling activities such as smoke-free walking and road running, combined with local cultural characteristics, it improves the health and physical fitness of citizens, promotes the development of mental health, and also conducts drug prevention and control activities.

Pharmacy site network

Taoyuan City has also promoted correct medication knowledge to reduce the chance of people abusing drugs. **In 2019, 8% of the people reduced their drug use.**

3.11 New generation anti-drug strategy on campus

4 anti-drug strategies

Taoyuan City has formulated a "people"-centered campus anti-drug strategy. Through cross-border cooperation among individuals, businesses, schools, and the government, anti-drug strategies were implemented. We hope to create a non-toxic, healthy, fresh and friendly campus environment for schools in the city.

Anti-drug (preventing trouble)

Strengthening anti-drug education and building anti-drug awareness.

Refusal (arming oneself)

Preventing the increase in the population of drug users.

Prevent-drug (to remove the root cause)

Cutting off the supply.

Rehabilitation (keep away from poisons)

Reducing the number of existing drug users.

Multiple anti-drug education activities

- In the elementary and high schools, lectures, movies, and children's dramas were used to promote anti-drug education and activities. A total of **1,019** sessions were attended by approximately **230,000 people**.
- There were **78** anti-drug advocacy activities aimed at parents and the general public, involving approximately **21,000 people**.
- The young volunteers who returned to their hometowns expanded their participation in the anti-drug board games in the rural areas, with a total of **23** games and **865 people** participating.

3.12 Improving anti-drug effectiveness

Strengthen drug-related investigation and prevention

In order to implement the anti-drug determination, Taoyuan City actively strengthened juvenile drug-related investigations and prevention work.

1. Irregularly planned temporary inspections

Irregularly planned temporary inspections for high-risk locations, and implemented joint inspections and penalties in conjunction with third-party police forces to deter industry players.

2. Anti-drug-friendly notification network

Continue to establish an "anti-drug-friendly notification network" with people, schools at all levels, management committees of various community buildings, security personnel, etc., to introduce a two-way anti-drug mechanism involving public participation, to vigorously crack down on community drug dealers, and drive drugs out of the community.

Caring for vulnerable families

In addition, for the vulnerable families of the population who are concerned about drug security and have children under the age of 12, an active care mechanism has been established for early detection and to notify the social and political units to jointly prevent the occurrence of child protection cases. The police in the police service area will carry out the drug public security concern population survey, with incidental care for children under the age of 12. If the child is found to be in danger of not receiving proper care during the visit, the vulnerable family will be notified to facilitate the follow-up assessment by the social and political unit or contact the education unit to assist in the follow-up care work.





Reduce traffic accidents

3.13 Traffic safety improvement in accident-prone locations

Hold traffic safety review meeting

Taoyuan City is divided into five groups for road safety, including law enforcement, engineering, supervision, education, and publicity. Regular meetings are held to review related strategies. Clarify the cause of the accident and discuss improvement plans for the number and form of accidents, and conduct safety inspection measures for road-related vehicles.

Analyze and improve accident-prone locations

Review 3 to 5 accident-prone locations every year, analyze the cause of the accident through data such as crash-collision maps, make improvements, and regularly track the results. In 2019, 45 intersections were improved through traffic engineering methods to improve pedestrian safety. Starting in 2020, at least 30 intersections will be improved every year.

3.14 Strengthen the suppression of major traffic violations

Strengthen the suppression of violations

In order to maintain traffic safety, Taoyuan City has targeted violation of running red lights, severe speeding, drunk driving, driving in the opposite direction, failing to turn in accordance with regulations, motorcycles failing to make two-stage left turns, motorcycles driving on driving on motorcycle-prohibited lanes, pedestrians crossing the road illegally, and vehicles who do not give way to pedestrians. Ten key violations, including pedestrians or malicious drivers, have been outlawed. There were at least 8 times a month of ban on drunk driving duties.

Professional traffic enforcement training

Through professional traffic enforcement training, police traffic enforcement capabilities and traffic accident handling capabilities can be strengthened, to build a safer and friendly traffic environment.

3.15 Enhancing the traffic auxiliary police

The traffic population and the number of vehicles in Taoyuan City continue to increase, and the airport MRT extension line and sewage sewer projects are successively carried out. In order to strengthen the use of civilian power to assist the police in maintaining road traffic order and smoothness, Taoyuan City recruited traffic volunteers and traffic auxiliary police. The current traffic auxiliary police number is 761. Through citizen cooperation, they work together to promote traffic safety, assist traffic diversion, and reduce traffic accidents.

3.16 Usage of technology to assist law enforcement

Taoyuan City installed illegal parking measurements, inter-zone speed measurements and other technology equipment to assist law enforcement in 2018. The City uses image recognition, AI recognition and geomagnetic technology to automatically detect vehicle parking violations, and also build a violation smart detection system to prevent traffic violations and reduce traffic accidents, so that the number of traffic violations and the average number of police forces used both significantly decline.

3.17 Traffic safety advocacy

Mass media promotion

Taoyuan City uses mass media channels (including cable TV, the Internet, Line, CMS, etc.) to promote traffic safety, and produces promotional materials to promote the concepts of "safe driving" and "defensive driving".

Traffic safety publicity speeches

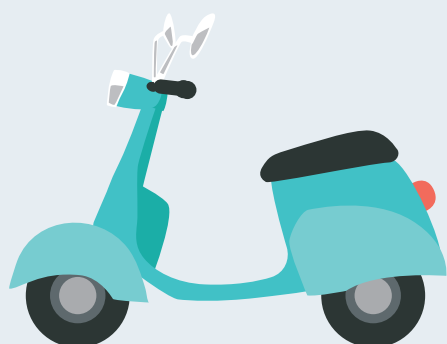
The City also went to campuses and enterprises to conduct traffic safety publicity speeches, combined with police radio stations to expand publicity coverage, to improve publicity effectiveness, and produce traffic accident publicity short films or animations, including traffic accident videos in Taoyuan City, and strengthen the concept of accident prevention.

Themed promotion activities

Themed promotion activities will also be held. In 2019, the activities were accompanied by the antique car exhibition to promote road safety education. With the theme of "Slow down, Watch and Stop at Intersections", a new road traffic safety exhibition area was held during the event, including motorcycle VR and difference of radius between inner wheels experience zone, allowing the concept of road safety to take root since childhood.

Advocate penalties for drunk driving for specific people

In the first half of 2018, the proportion of public hazard cases caused by migrant workers riding electric bicycles after drinking increased four times when compared to the whole year of 2017. In order to prevent migrant workers from breaking the law and causing traffic accidents, Taoyuan City publicizes the situation of drinking and riding electric bicycles and penalties for manufacturers, intermediaries, interpreters and migrant workers, and expands the distribution during temporary inspections, so far it has been promoted more than 180,000 times.



Reproductive health care

3.18 Healthy and happy family project

Pregnancy allowance

To increase the willingness of women of childbearing age and their spouses to have children, Taoyuan City provides subsidies for male and female health check-ups and subsidies for amniocentesis during pregnancy to create a pregnancy-friendly environment. The Healthy and Happy Family Program is Taiwan's first women's health subsidy, which will help increase the fertility rate in Taoyuan City. **The crude birth rate in Taoyuan City in 2019 was 10.22‰, which was much higher than Taiwan's 7.7‰.**

Artificial reproductive technology subsidy

In order to take care of infertile couples and reduce the heavy burden of receiving artificial reproductive technology related treatment, Taoyuan City provides ovulation drugs and embryo implantation subsidies for married women with infertility. **Since 2015, 3,639 people have benefited. The infertility successful pregnancy rate of 28.9% is much higher than Taiwan's 27.1%.**

Chinese medicine assisted pregnancy subsidy

In order to focus on women's pregnancy health, the Chinese medicine pregnancy subsidy was launched in 2017, providing Chinese medical consultation, health education, and dietary guidance services. **Since 2017, 2,173 people have benefited.** As Taoyuan City strives for funding and subsidies, women gradually pay attention to pregnancy care. **The coverage rate of health checkups during pregnancy in Taoyuan City is 96.2%, which is much higher than 94.7% in Taiwan.**

3.19 Maternity allowance, Childcare allowance

Maternity allowance

In order to encourage women of childbearing age to give birth to increase the fertility rate, a maternity allowance has been introduced since 2015, with the highest amount per child in Taiwan.

- **Single** births will receive **30,000** NTD per birth.
- **Twins** will receive **35,000** NTD per birth.
- The **triplets or more** will receive **45,000** NTD per birth.

Childcare allowance

In order to safeguard the rights and interests of children's healthy growth and share the financial burden of family parenting, parenting allowances were introduced in 2015. Parents and children who have registered and actually live in Taoyuan City for more than 1 year will receive a monthly allowance of 3,000 NTD per child until the month when the child reaches the age of 3, and can be claimed with other allowances.

Starting from August 2018, in coordination with the Central Government, the Taoyuan City Childcare Allowance Regulations have been revised. For those eligible for both the Central Government and Taoyuan City's childcare allowance, in addition to the Central Childcare Allowance of 2,500 NTD, Taoyuan City citizens will receive a monthly subsidy of 500 NTD per child; only those eligible for Taoyuan City's childcare allowance will receive a monthly subsidy of 3,000 NTD per child, and will be granted until July 31, 2021.

National health insurance

3.20 Health insurance subsidy

Taiwan promotes national health insurance, and those who qualify for insurance can enjoy high-quality medical care services regardless of nationality. Taoyuan City takes into account the needs of disadvantaged groups and promotes a number of subsidy programs.

Health insurance subsidies for disadvantaged groups

Taoyuan City assists low-income households and other economically disadvantaged groups to pay for health insurance arrears. Taoyuan City also subsidizes part of the burden of health insurance, hospitalized meals, ambulance expenses, registration fees, etc. **1,598 people benefited from 2015 to 2019**, reducing the burden of medical treatment for disadvantaged groups.

Health insurance subsidies for the elderly

Elderly people over 65 years old can subsidize the health insurance premium deductible up to **749** NTD per person per month as long as they meet the relevant qualifications. Taoyuan City directly assists in applying for exemption operations. People do not need to apply again. **In 2019, about 2.29 million people have benefited**, reducing the burden of medical treatment for the elderly.

3.21 Taoyuan citizens health management experts

In order to integrate medical resources and provide citizens with high-quality and convenient medical services, Taoyuan City promotes the health management experts program.

Community health building

Actively introduces medical services in areas with a high age or disadvantaged population, establishing permanent service bases, and connecting clinics and long-term care institutions with medical institutions. Providing services such as health measurement and consultation, health promotion, and health education through community case management stations.





Case system services

Build a localized and complete care network. Actively provide assistance for disabled cases, plan systemic chronic disease care services, and conduct overall assessments based on the concept of family to reduce the burden on family caregivers. Through early screening and timely referral for treatment, chronic diseases and disability can be better controlled. There are **seven service locations** in Taoyuan City that provide integrated medical and elderly care services.

3.22 Pharmacy site network

Taoyuan City has cooperated with private pharmacies to promote the convenience network of pharmacies. It has established 259 age-friendly pharmacies, serving as community health consultation stations for the elderly, serving more than **600,000 people**. Pharmacists walked into communities and locations to make medication safety a part of elderly care. **A total of 158 medication safety promotion sessions were attended by 7,604 elderly people.**

3.23 Subsidies for dental medical expenses

General household

In order to reduce the burden of medical treatment for the elderly and protect the oral health of the elderly, Taoyuan City has been subsidizing the installation of removable dentures for the elderly in general households since 2014. The subsidies are for elderly people over 65 years old or indigenous people over 55 years old and has been registered in Taoyuan City for more than one year. Including full-portion removable dentures, half-portion removable dentures, and partial removable dentures, depending on the situation, the subsidy is **15,000 to 40,000 NTD**. It is hoped that through the project, the oral health of the elderly will be improved and the nutritional intake and physical health of the elderly will be improved. **Since 2014, 41,077 people have benefited. In 2019, the satisfaction rate of the active denture service for the elderly over 65 years old reached 96.8%.**

In addition, in order to solve the problem of after-sales maintenance of dentures and reduce the financial burden of elderly dental care, Taoyuan City will provide after-sales maintenance subsidies for elderly dentures in 2020, with a maximum subsidy of **2,000 NTD** per denture.

Low- and middle-income elderly over 65

For elderly people over 65 years old or indigenous people over 55 years old who are registered in Taoyuan City, doctors have assessed that they have missing teeth, which will affect the chewing function and require removable dentures, if they meet the requirements of low-income households, low-middle-income households, and seniors with low-middle income. Living allowance, full government subsidy for housing and placement, living allowance for persons with disabilities, government subsidies for the elderly whose expenses for day care and residential care for persons with disabilities are more than 50%, then they will be provided with a subsidy for the cost of removable dentures.

Low- and middle-income households with disabilities under 64

As the oral health of the disabled is worse than that of the general population, the City provides removable dentures for those with disabilities who have been registered in Taoyuan City for more than one year and are under the age of 65 and have low-income households.

- For those **aged 12 to 64**, oral medical expenses subsidies are provided such as fixed dentures.
- For **children under 12**, oral medical expenses such as anti-moth sealants, stainless steel crowns, transparent braces for molded primary incisors, and single (double) side space maintainers are provided.



3.24 Prevention and care of dementia

In order to create a friendly society for preventing and delaying dementia, and ensuring the quality of life of persons suffering from dementia and their caregivers, Taoyuan City, in conjunction with the public and private sectors, handles community advocacy for dementia prevention and treatment, raises public awareness of dementia, and eliminates dementia stigma.

3.25 Long term care 2.0

Compared with other municipalities, Taoyuan City is a younger county, but the elderly still account for 12%. In order to help family members reduce the burden of care and meet the diverse needs of care, Taoyuan City built a community integrated service center (unit A), a composite service center (unit B), and an alley service station (unit C). To appropriately integrate the required service system and resources to provide complete, continuous, and accessible care services for the people who need long-term care services.



Community care station

In response to the current central government's long-term care policy, which focuses on preventing and delaying disability and dementia, Taoyuan City actively matches local groups in the community, including people's groups, community development associations and local offices, and invests in community care, health promotion activities, and meal services to create a friendly, lively, active and aging community environment.

Taoyuan City encourages capable community care bases to further provide courses for the prevention and delay of disability, and become the "C-level long term care station" of the Long term Care 2.0 network. In the future, we will continue to tap into local potential groups and invest in bases and C-level long-term care lighting stations to provide a friendly and aging community environment for elders. At present, **the coverage rate of community care station has reached 50%.**

Community-based Long term Care Institution Service

Taoyuan City has set up community-based long term care institutions by revitalizing idle public buildings and counseling private establishments. At present, **28 institutions** (including rural areas of indigenous people) have been established to implement "local aging" and "local care". Healthy and frail elderly people can go to the long term care station to participate in meal service and health promotion activities, etc. If there is degeneration, disability, dementia, etc., they can go to the community-based long term care institution to receive day care, small-size multi-function services, so that the elderly can live on their own in a safe and caring environment, reducing the chance of being bedridden.

Family Carer Support Service

In order to relieve the pressure of family carers, Taoyuan City has established a support service base for family carers. Currently, **seven locations** have been established to provide case management, home care skills guidance, care skills training, support groups, stress relief activities, temporary replacement services, and psychological help. For high-risk cases, the City formulates appropriate care plans and assist in applying for long term care services, including respite services in day care centers, night respite services in small-size multi-function center, and respite services in long term care stations to reduce the burden on family carers.

D café

Taoyuan City has established **nine D café** based on the experience of the "European Dementia Café" and the Alzheimer Café in the Netherlands, providing places for people with dementia, family members, caregivers, and family members of long-term care 2.0 users to relax and exchange. Provide part-time opportunities for young people with dementia.

Indigenous Cultural health Station

Promote cultural health stations for indigenous peoples, implement the concepts of "caring for indigenous peoples with indigenous peoples" and "cultivating indigenous people's service groups locally", and strengthen the "culture of mutual assistance and support" in indigenous areas and urban indigenous settlements, and develop local volunteers and local care attendants to provide long-term care services tailored to ethnicity and local conditions.

3.26 Rural medical services

Smart medical in Fuxing District

Considering the lack of medical resources in the Fuxing District, Taoyuan City has cooperated with the central government to jointly promote the "Integrated Delivery System (IDS Project)" by Linkou Chang Gung Memorial Hospital, St. Paul's Hospital, Kao Yang-Wei Clinic and Public Health Center of Fuxing District. Using technology to develop smart medical care, to reduce the plight of the shortage of specialists in remote areas, to implement smart and localized medical care in rural areas, and to provide better for residents in the revival area health care.

1.Establish medical stations and provide roving medical services

A medical station was established in Fuxing, providing 24-hour emergency, three times a day providing outpatient services, and three times a week providing roving medical services. providing outpatient services, and three times a week providing roving medical services.

2.Teleconsultation services

Since 2019, we have implemented teleconsultation services, giving priority to establishing a telemedicine consultation model for dermatology. Through the cloud video function, with a handheld digital octagonal mirror, it can perform microscopic examinations and transmit medical images simultaneously, or it can be remotely controlled , and the medical information system HIS can integrate the doctor's order, so that the doctors and local patients stationed in Fuxing District can immediately contact the Chang Gung Hospital.

Coastal medical care

Taoyuan City promotes the coastal medical internet service pilot project through three services: mobile outpatient clinics, remote consultations, and pre-established medical care consultation (ACP).

1.Mobile outpatient clinics

Arrange medical staff to take the initiative to walk into the community, provide community visits twice a week, so as to reduce the burden of people on the go.

2.Remote consultations

Arrange for doctors from local health center and partner hospitals to conduct remote consultations through video, and provide consultations in specialist outpatient clinics such as dermatology and plastic surgery.

3.Pre-established medical care consultation (ACP)

Provide pre-established medical care consultation services. People can make appointments through dedicated lines or websites, and then the hospital team will provide consultation services at designated locations.

Multiple facilities to promote health

3.27 Create a high-quality sports environment

Prevention is better than cure. Having a strong physique can not only enhance the resistance to diseases, but also promote a cheerful mood and positive thinking.

Create a diverse sports environment

Taoyuan City is actively revitalizing its own land, planning to build 5 sports parks, 11 civil sports centers, 9 new sports venues, and 33 sports facilities. Including baseball and softball fields, basketball courts, football fields, etc., to provide citizens with a high-quality, convenient, friendly and diversified sports environment.

Provide all-weather sports space

Construct night lighting equipment to provide all-weather sports space and outdoor activities. Strengthen the construction of competition and training venues to improve the level of competitive sports. Combining private resources, entrusting the operation and management of sports venues, develop 3D-AR-BIM resume platform, and improving the effectiveness of venue governance. **In 2019, the number of visitors to the civil sports center was about 1.93 million, and the utilization rate of the basketball court grew by an average of 60 to 80%.**

3.28 New construction, extension, and repair of the civic activity center

Taoyuan City is actively constructing, expanding, and repairing civic activity centers in various districts to provide indoor recreational spaces for citizen studying, gathering, activities, and even caring bases and long-term stations, to promote the health and well-being of citizens, and through new public participation spaces, social welfare facilities and other functions to increase the utilization rate of the civic activity center.

3.29 One indigenous pre-district assembly room

The indigenous population of Taoyuan City is about 77,000, of which up to 68,000 are scattered in the metropolitan area. In order to provide indigenous people in the metropolitan area with space for ethnic language promotion, craft learning, music and dance teaching, cultural activities, networking studies, and festivals, the policy objectives of the 12 districts of indigenous assembly rooms are set up to meet the various activities of the indigenous people and meeting demands.

3.30 Provide youth with diverse learning experiences

Diverse facilities and experience activities

Taoyuan City aims to achieve the goal of "the whole city is a learning experience space for the youth", and promotes the establishment and improvement of hardware facilities and software learning environment, such as setting up Taoyuan Youth Adventure Camps, organizing a series of diverse workshops, lectures, exploration camps, and communication activities. Guide young people to participate in leisure and recreational activities outside of school (work). Through multi-faceted experience courses, rich learning and communication channels and resources, they can cultivate their self-confidence and improve their physical and mental health.

Subsidize youth to participate in international activities

It also subsidizes youth to participate in international open competitions, public performances or large-scale conferences, such as the AIESEC World Conference President's Conference, Synthetic Biology Competition, Thailand Food Competition, etc., to strengthen the sense of honor and ambition of the youth, and at the same time promote youth international views.

03

Encourage sports for all

3.31 Establish the image of the sports city

Taoyuan City organizes various competitions including international, national and regional competitions to provide players with learning opportunities to participate in sports, increase citizens' participation in sports, and enhance citizens' sports literacy through watching events, and strengthen the ability to run competitions to build a sports city image.

Held multiple sports activities

In 2019, 4 international events, 17 national events, 80 city events, and 6 regional events were held, such as the 2019 National Games, attracting **100,000 people**. Other major international events, include the International Cycling Tournament, Marathon, LPGA Taiwan Championship, Taoyuan City Cup International Gymnastics Invitational, World Taekwondo Grand Prix, etc. The number of participants reached **40,000 people**.



3.32 Create a “Sports for All” atmosphere

Taoyuan sports card project

In order to create a sport for all atmosphere, and to increase the population participating in sports, and promote the physical and mental health of the citizens, Taoyuan City's original "Taoyuan Sports Card Program" combined with specially qualified sports venues to provide public ticket discounts. **About 70,000 people participated in the "Taoyuan sports card Project" in 2019.**

Subsidies for various sports activities

The City handles subsidies for registered and unregistered sports clubs to promote non-traditional and popular sports, such as aerobic dance, yoga, Tai Chi, Waidan Gong, etc., **about 51,000 people participated.**

Sports i Taiwan Project

Combining local characteristics, tourism industries, and local enterprises to handle multiple activities such as cycling, fitness classes, community games and carnivals, the project is suitable for all ages to participate.

- About **17,000 people** participated in the "Sports i Taiwan Project-Community Match".
- About **108,000 people** participated in the "Sports i Taiwan Project-Water, Cycling, Fitness Class, Carnival and other sports activities".
- About **23,000 people** participated in regional activities organized by various non-governmental organizations.

National sports center preferential courses

Various special sports courses are planned in national sports centers. In addition to the general public, it is also suitable for children, teenagers, women and senior citizens to participate, so that all age groups and ethnic groups can enjoy sports. About **236,000 people** participated in the preferential courses of the National Sports Center. **In 2019, the coverage rate of citizens participating in sports projects promoted by Taoyuan City was about 25%.**

3.33 Promote sports equality

In order to promote the willingness of disadvantaged groups such as the elderly and the physically and mentally disabled to exercise regularly, Taoyuan City, through the "Sports i Taiwan Project", organizes health seminars and fitness courses for seniors, sports experience camps for the disabled, and training classes to create an age-friendly environment and equality in a healthy environment, **about 15,000 people participated in 2019.**

The Disabled Carnival

"The Disabled Carnival" has been held for 8 consecutive years, inviting all kinds of parents and children with disabilities to participate. The activities include: talent shows, fun competitions, handicapped welfare and achievement exhibitions, to build a "love without hindrance" humanistic society. **About 1,200 people participate each year.**

Evergreen Fun Games

The "Evergreen Fun Games" has been held for 5 consecutive years, to promote the physical and mental health of the elderly through fun competitions and barrier-breaking activities. **About 2,000 people participate each year.**

Preferential measures for the Elderly and Love Card

In order to promote equal rights in sports and take care of disadvantaged groups, national sports centers are promoting preferential measures for the elderly care service card. For the disabled, the elderly and low-income households, public welfare hours were launched from 8 am to 10 am and from 2 pm to 4 pm, people can use the gym and swimming pool for free, benefiting **about 223,000 people in 2019.**



3.34 Enhance the strength of competitive athletics

Handles athlete training and hiring sports coaches program

Taoyuan City handles various athlete training programs, provides training resources, improves the training environment, and enhances athletes' competitive strength.

- **Taoyuan City Elite Athlete Training Program:**

Through hiring foreign coaches, overseas training, international sports exchanges, summer training camps, and weekend quizzes and other diversified training methods.

- **Taoyuan City Participates in the National Games Gold Training Program:**

Subsidizes training funds for various sports groups participating in the National Games.

- **Taoyuan City's Key Sports Resource Enrichment Training Program:**

Subsidizing the training equipment and related resources required by the individual committees of the National Games competition category to improve the quality of the training environment.

- **Taoyuan City Performance Athletes Training Subsidy Program:**

Aimed at the establishment of Taoyuan City for more than one year, and in the National Games, national colleges in various competition categories and events organized by the National Games will receive a monthly fixed subsidy ranging from **4,000 to 20,000 NTD** for training.

- **Taoyuan City Excellent Sports Coach Program:**

In order to make up for the lack of sports coaches at the grass-roots level, to enhance the strength of competitive athletics, and to establish a career development mechanism for outstanding players, and to provide retired players with job opportunities to become coaches, the City subsidizes for individual committees fees to hire coaches, such as the salary and transportation required, accommodation fees, meals and other related expenses since 2018.

Athletes medical service

In order to take care of outstanding athletes, Taoyuan City has cooperated with the private sector to provide medical services since 2017, including the organization of a sports medical service team, the establishment of a medical service network, the support of the players' medical expenses, the provision of comprehensive medical services, the establishment of players' personal health files and touring medical services, etc., to assist players to recover smoothly and return to the stadium after recovery, and prolong their sports lives.

Establish a database of athletes

In order to effectively track the performance and dynamics of athletes, the City has established a database of outstanding athletes since 2020. It aggregates the top eight athletes in the Taoyuan City Games-Mayor's Cup, Citizens Sports Games, National Games for People with Disabilities, National Secondary School Games and National Games, and the list of athletes participating in the Asian Games and Olympic Games.





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

With the rapid growth of the population and continuous progress of society, educational concepts have also evolved with the times, and more extensive learning methods have emerged. Multicultural education emphasizes human rights, human dignity, and free and equal thinking. The school system enhances the quality of teaching and the environment, and alternative education respects the individual's right to independent learning. The

City committed to promoting senior Lohas learning, advocating all-around education and creativity creating a life-long learning environment. Taoyuan City aims to provide fair and high-quality education for different age groups and different ethnic groups, improve the competitiveness of learning and employment in response to technological advancement, and promote urban cultural aesthetics as its direction of endeavor. It also emphasizes university social responsibility and environmental education that promotes sustainable development.

Pre-school education

4.1 Public childcare

Public childcare reduces the burden of childcare for young families, providing indoor recreational space, so that parents can feel relieved to work, children can play happily, and build a friendly childcare environment.

Construction of public-to-private childcare centers and parent-child center

Through the reuse of vacant buildings to establish public-to-private childcare centers, and provide parents with affordable and high-quality childcare environment. Considering that there are less indoor parent-child learning and play spaces, special parent-child center are established to provide parents parenting knowledge and advocating the concept of child welfare and children's rights. Experts and scholars are invited to form a counseling group to regularly provide counseling to the service providing field, so that parents can feel and use it at ease.

In 2019, six public childcare gardens, 11 public childcare centers, 14 parent-child center (including three toy buses) will be set up based on subsequent needs and the concept of "One Public Childcare Per District and One Parent-Child Center Per District".

4.2 Public kindergarten

According to the Organization for Economic Cooperation and Development (OECD), the service supply options of the childcare model are composed of public, non-profit private and for-profit private kindergartens. In advanced countries, public and non-profit kindergartens dominate (about 90% in Europe, the United States accounts for about 70%), Taiwan is still dominated by for-profit private kindergartens, accounting for about 70%, and public kindergartens only account for 30%. The expensive tuition fees of for-profit private kindergartens have caused a heavy burden on parents' education.

Construction of public kindergartens

In order to reduce the pressure of parents raising children, Taoyuan City has actively added public and non-profit kindergartens (referred to as public kindergartens) to increase the proportion of public childcare services as the direction of pre-school education efforts. **The current number of publicized bases reaches 38.39%. By 2020, the publicization ratio can reach more than 40%.**

Promote quasi-public kindergartens

Taoyuan City cooperates with the central government to promote the policy of quasi-public kindergartens. Parents pay no more than 4,500 NTD per month, which is close to the fees of public kindergartens. **The contract rate of quasi-public kindergartens in Taoyuan City reached 48.4%, ranking first in the six municipalities.**

Technological and Vocational Education

4.3 Career planning and exploration for elementary and junior high school students

Career and technical education programs

In order to enable elementary and junior high school students to explore themselves, understand the professional world, and encourage students to discover their self-interests and aptitudes, so as to achieve educational goals suitable for their individuality, Taoyuan City has adopted a number of career and technical education programs, to take root in technical education and career exploration. In 2019, **16,117 people** participated.

- **The junior high school** provides technical education classes and technical education clubs, winter and summer technical education and recreation camps.
- **The elementary school** provides career exploration, experience demonstration centers, student career exploration courses.

Diversified learning and career experience

In order to help young people with low academic motivations set life and career goals, Taoyuan City combines schools and friendly businesses to design group courses, college visits, career experience and internships, to provide young people with multiple learning opportunities and help young people understand themselves. Set career direction, build self-confidence, and cultivate good attitude and communication skills.

4.4 Technical personnel training for senior high school students

Provide multiple learning channels and courses

Taoyuan City assists students in choosing the development that suits their individuality through the school trial and counseling mechanism, and encourages diversified high school enrollment and provides students with multiple learning channels and courses through various subsidy programs and mechanisms, characteristic school marketing and promotion.

Handle multiple projects to enhance students' employability

Cooperate with the Ministry of Education's projects (including subsidies for schools to handle employment-oriented courses, off-campus internships, and on- and off-campus internships) and other programs to enhance the practical knowledge and skills of high school students and enhance their employability.

Establish Craftsman Skills Academy to enhance students' practical ability

Taoyuan City Craftsman Skills Academy was established to provide experimental courses on indoor wiring, gardening, landscape design, to help citizens and students explore different interests and enhance practical ability. **The annual rate of courses reached 90%**; and helped dropout students return to campus, regain their interest and confidence in learning through practical exercises, and further cultivate potential talents required by the industry.



4.5 Educational Cooperation

Basic training and pre-employment training

The construction and teaching cooperation is through the cooperation between the school and the partner organization, so that the students can take the courses taken in the school to the relevant industry to receive vocational training in order to facilitate future employment. Students must receive basic training and pre-employment training at the school before entering the workplace. Training includes the promotion of labor rights protection. Schools and education cooperation organizations also jointly hold briefing sessions to explain the training content and rights and obligations of the education students and their parents during the training period.

Implementation status

At present, there are four schools in Taoyuan City that handle 13 classes of cooperative education courses, including five courses including mechanical, information, catering management, circulation management, and e-commerce, with **1,170 students**.

4.6 Innovative industry talent cultivation

Taoyuan City combines the resources of industry, government, academics, research and other fields, through short and mid-term practical courses and training, to cultivate youths to acquire key workplace skills, problem-solving skills, and innovation and entrepreneurship capabilities, and to help young people have corporate workplace awareness before entering the workplace. Understand the current status of the industry and future development trends, and strengthen the professional knowledge and capabilities required by the trends, reducing the gap between learning and use. Indigenous students are also encouraged to participate actively. Taoyuan City has also established a complete vocational training system that meets market needs to improve the employability and skills of workers (Goal 8).

4.7 Overseas university education for senior high school students

In order to cultivate the international competitiveness of students, Taoyuan City began to promote the overseas university education program for high school students in 2018.

Overseas camps and courses

In 2019, Wuling High School was responsible for handling the digital technology camps of overseas universities, leading 60 high school students to Stanford University and Berkeley University in the United States to participate in an 18-day iD Tech information course, and hold a result presentation meeting.

Overseas fixed-point internship

Through overseas school designated learning, local cultural learning experience and exploration activities, combined with artificial intelligence and computer programming courses, we can effectively enhance students' foreign language communication and information skills, develop students' all-round learning ability, and cultivate talents with international competitiveness.





Education for disadvantaged groups

4.8 Learning assistance for elementary and junior high school

Taoyuan City uses learning aids to assist students with low motivation in the three subjects of Mandarin, Mathematics and English to improve their learning ability and ensure that everyone has the ability to read, write and do arithmetic. **In 2019, the cost of learning support classes was 83.2 million NTD**, and the introduction of private resources to improve the effectiveness, including:

Online film library

Using the teaching materials of the online film library to encourage students to learn independently.

Train teachers and develop teaching materials

Introducing private resources, training professional learning support teachers and developing auxiliary teaching materials.

Adaptive Learning web platform

Using “Adaptive Learning” web platform to improve students’ learning and teachers’ teaching effectiveness.

4.9 After-school care for elementary school

Taking into account the gap between school hours and parents' off hours, Taoyuan City encourages schools to provide after-school care services after school.

Life care and homework guidance

Providing student life care and school homework guidance, so that parents can get off work safely and pick up school children during off-hours. **In the second semester of the 2019 school year, 187 schools offered after-school care services, with 24,463 participants and 100% of the schools were opened.**

Subsidies for disadvantaged groups

In order to take care of the disadvantaged groups, such as low-income households, disabled, indigenous students, etc. students can participate for free, and students with special circumstances will receive subsidies.

4.10 Subsidies for economically disadvantaged students in elementary and junior high schools

Subsidies for school expenses

Taoyuan City provides subsidies for the schooling expenses of economically disadvantaged students in national elementary and junior high schools, so that economically disadvantaged students can go to school with fairness and peace of mind, including full subsidies for book fees and fixed subsidies for agency fees. **In the past three years, more than 150,000 people have benefited.**

Free nutritious breakfast and lunch

Taoyuan City also provides free nutritious breakfast and lunch for disadvantaged students to ensure that disadvantaged students are free from hunger and have a healthy body to concentrate on learning (Goal 2).

4.11 Educational assistance for students with disabilities

To help the disabled break through their predicament and enter school more smoothly, Taoyuan City provides a series of education linkage assistance from elementary school pre-entry to senior high school stage, as well as financial and living assistance.

Education Linkage Assistance

1.Preparation classes for pre-school students

In terms of education, for pre-school students with disabilities, Taoyuan City organizes preparation classes for pre-school students with disabilities to enter elementary schools every year, so that students can learn early and adapt to the routines and routines of elementary school life. **In 2019, a total of 120 students from eight elementary schools benefited.**

2.After-school care services for elementary school students

For students with disabilities in elementary schools, after-school care services are provided to enable students to grow up healthily, increase their interest in learning to reduce learning gaps, and parents can also find jobs with peace of mind. **In 2019, a total of 899 students from 60 elementary schools benefited.**

3.Suitable counseling placement for junior high school students

For junior high school students with disabilities, it provides suitable counseling placement for higher education. **In 2019, 1,238 students benefited.**

4.Multiple counseling for high school students

For high school students with disabilities, it provides general class counseling, vocational education and career counseling, functional assessment and employment counseling, so that students can develop appropriately and can continue to study or successfully enter the employment workplace after graduating from high school.

Financial and living assistance

1.Subsidized textbook

Taoyuan City fully subsidizes one set of textbooks for students with disabilities in schools below senior high school.

2.Free transportation or subsidized transportation

For students with disabilities in public elementary and junior high schools in Taoyuan City, if they are unable to go to school on their own and their parents are indeed unable to pick up and drop off on their own, free transportation or subsidized transportation will be provided. **In 2019, a total of 289 students from 59 elementary schools benefited.**

4.12 Education of disadvantaged students in rural areas

Education Linkage Assistance

In order to take into account the rights and interests of students in remote areas, Taoyuan City assisted schools in remote areas to develop teachers' professions, and organized multiple exploration activities for students to promote appropriate learning. **In 2019, a total of 16 rural elementary and junior high schools applied.**

The fluorescence project of rural schools

Since 2019, the city promoted the fluorescence project of rural schools, allowing students to take home the school's tablet e-bookbags and use online digital learning courses for after-school remedial and self-learning at home. **In 2019, 58 students from eight rural elementary schools participated,** and the performance of students in technological assessment and academic ability testing has improved significantly. **The academic progress rate of the target students participating in the Fluorescence Project reached 100%.**

The summer fun learning program

During summer vacation, the program promotes the summer fun learning program for disadvantaged students in rural areas. The school can arrange 2-4 weeks of integrated learning programs to create a mid-process learning environment; or arrange local language activity courses to allow students to actively learn local language and experience the beauty of the local culture. Through the teaching methods, students are guided through the appropriate development, to increase the fun and effectiveness of learning, and make students' summer learning more diverse. **In 2019, nearly 500 students from 15 rural elementary and junior high schools participated.**

Respect for cultural diversity

4.13 Local education in elementary and junior high schools

In order to guide the public in learning to respect the cultures of all ethnic groups, and to enhance children's understanding of the local language and culture, various local education programs are promoted through strategies such as teacher language certification, local art activities, digital learning materials, etc. Special attention is paid towards the enthusiasm of teachers and students to participate, the richness and breadth of activity content, and the value recognition of activity results.

At present, 20 schools are promoting related programs to handle professional certification training for teachers in Taiwanese, Hakka, and indigenous languages, and hold local education carnivals, indigenous rap art competitions, children's mother tongue storytelling competitions, and other local language arts and cultural activities.

4.14 Educational assistance for children of new immigrants

The population of new immigrants in Taoyuan City ranks fourth in Taiwan. In order to help the children of new immigrants break down barriers, and to quickly integrate into school and social life, eliminate possible inequalities in education, promote language learning for new immigrants, and conduct root-tracking activities for children of new immigrants, activities include Chinese language remedial courses, teacher multicultural study, multicultural international day, etc. **A total of 123 schools participated and about 50,000 people benefited.** In 2019, a new resident language course and a teaching guidance team were established to help promote various projects and improve the quality and effectiveness of learning.

4.15 Indigenous education

The indigenous population of Taoyuan City ranks first in the six municipalities, so it pays more attention to the inheritance of the language and culture of the indigenous and talent cultivation.

Established indigenous high school and university

In addition to the indigenous school under preparation, Taoyuan City has established an Indigenous Tribal University to provide free courses for people over 18 years old, including 10 major courses such as language, health care, information education, and vocational training. The lecturers and students include various original courses. There are more than **1,000** trainees living in ethnic groups. It also plans to cultivate talents for indigenous industries and public issues forums, and cooperates with Taoyuan City Community College.

Holiday growth camps for students from disadvantaged

The City organizes holiday growth camps for students from disadvantaged indigenous families to help indigenous youths expand their horizons, enhance their ethnic language skills, and enhance traditional skills.

Indigenous language classe after school

Open Indigenous language classes after school, encourage participation in the national indigenous language vocabulary contest and drama competition, and enhance ethnic language ability and ethnic awareness.

Sports activities

Five indigenous sports series activities are organized every year to cultivate indigenous sports talents.

Financial assistance

To assist the educational needs of the children of indigenous families, Taoyuan City provides financial assistance for the children of indigenous people, including:

- Subsidies for preschool education subsidies for children aged 2 to 4 years for 6,000 to 10,000 NTD.
- Tuition subsidies for high school students for 5,000 to 8,000 NTD.
- Subsidies for low-income college students each semester for 4,000 NTD.
- Scholarship subsidies for children of poor and outstanding indigenous peoples from 1,000 to 10,000 NTD.
- Subsidies for special outstanding talents of indigenous peoples from 3,000 to 30,000 NTD.



Education for sustainable development

4.16 Environmental education

Environmental education facility certification

With the goal of local operation and sustainable development, Taoyuan City actively promotes environmental education, and through education, training and counseling, assists in the application of certification for potential environmental education sites.

In 2019, the City handled 34 on-site counseling sessions. At present, **16 places** obtain environmental education facility certification.

- Dongyanshan Nature Education Center
- Samgasui Environment Education Center
- Shihmen Reservoir
- Laojie Creek River Education Center
- Jianzili Environment Education Center
- Environmental Resources Education Center of Chungtai Resource Technology Corp
- Goodtimes Leisure Farm Sustainable Agriculture Environmental Education Center
- WOC Miniature and Culture Institute
- Hotoushan Environmental Education Park
- Kuo Yuan Ye Museum of Cake and Pastry
- Taoyuan Sewage Treatment Center
- AUO GreenARK Water Resources Education Hall
- Daxi Sewage Treatment Center
- Bade Pond Ecology Park
- Green Life Hall (Xinwu Agricultural Expo Environmental Education Park)
- Guishan Diesel Vehicle Emission Inspection Station

Guided tours or courses in environmental education fields

In the tourism and recreational environmental education field, Hutou Mountain Environmental Education Park regularly handles environmental education promotion and environmental education course reservations, as well as regular holiday ecological guided activities. **In 2019, there were 636 participants in environmental education courses and 3,006 participants in holiday promotion activities.**

In 2020, it also plans to hold environmental education courses and activities, and apply for environmental education facility certification from the Environmental Protection Agency of the Executive Yuan.

Incorporate historic sites into environmental education facilities

Taoyuan City plans to incorporate the Confucian Temple and Taoyuan Martyrs' Shrine Cultural Park into environmental education facilities to guide visitors to understand the importance of cultural preservation. In recent years, the Confucian Temple has accumulated environmental education energy through spatial activation and development of environmental education courses. Taoyuan Martyrs' Shrine is the most intact shrine building in Taiwan and is currently undergoing phase II restoration.

Other related environmental education programs include, for example, food and agriculture education (Goal 2), water resources education (Goal 6), sustainable development awareness (Goal 12), and coastal protection (Goal 14).

4.17 Promote campus integrity and deepen integrity education

Taoyuan City combines integrity education and character education. It uses innovative anti-corruption animations and anti-corruption storybooks with the awareness of honesty, integrity, and zero tolerance for corruption. It actively makes full use of various entertaining methods, and designs interactive games or contests for contributions. Inject the sense of integrity and moral quality into different age groups of college students, junior high school students, elementary school students, and preschool children.

Lifelong learning

4.18 New construction of Taoyuan municipal public library and reading promotion plan

The library is oriented to serve readers, strengthens information and software and hardware space planning, and handles various reading promotion services. It promotes human rights, gender equality, multiculturalism and other thematic book fairs, and provides an effective learning space for everyone. Fully acquire relevant knowledge and skills, so that learning is not restricted by age. Taoyuan City is actively preparing to build a library and new buildings. The City has planned **41** book reading spaces to create a high-quality reading environment, enrich the collection, create a reading city, and promote culture contribution to sustainable development.



4.19 Senior citizens learning

Senior Citizens Learning Center

In response to the increase in the elderly population, Taoyuan City has actively established a local senior citizens learning organization. A total of eight schools and five non-governmental organizations participate in encouraging the senior citizens learning centers.

The senior citizens learning center encourages elderly citizens over 55 to participate and provides three types of courses: core, independent planning and contribution services.

1.Core

The core courses are to strengthen the preparation for the aging life.

2.Independent planning

The independent planning courses are planned with local resources, characteristics and learners' interests.

3.Contribution services

The contribution service courses are mainly based on senior volunteers and learning service clubs.

From March 2018 to February 2019, the number of courses offered by the centers totaled to 9,069 hours, and 102,697 people participated in activities.



Evergreen Academy

In order to promote the spirit of lifelong learning and encourage elders over 60 years old to come out of the home to meet people, Taoyuan City is run by the district office or subsidized private groups to manage the Evergreen Academy, providing age-appropriate diversified learning courses. Courses include foreign languages, calligraphy, painting, singing, etc., as well as local characteristic courses and special lectures.

Classrooms cover community activity centers and small gathering places. In 2019, the number of participants reached 19,000.

4.20 Community college

Taoyuan City established 5 community colleges and set up 185 teaching points in public meeting places to attract citizens to join the ranks of lifelong learning nearby.

Course content

It is mainly divided into three types of courses: academics, club activities, and life arts. Combining environmental protection, gender, agriculture and other civic participation activities with local characteristics, it hopes to cultivate the ability of citizens to participate in social and public affairs and promote local identity. **In 2019, 1,946 courses were opened and more than 37,000 people signed up.** Each of the five community colleges has different characteristics.

- **Taoyuan Community College** is a densely populated metropolis and has a self-sufficient community, so it features "community industry development" and "smart city".
- **Bade Community College** has many ponds and developed tourism, so it features "sustainable water resources" and "leisure ecology".
- **Zhongli Community College** is characterized by its geographical environment and diverse ethnic groups, so it features "river ecological protection" and "new immigrants' cultural care".
- **Xinyangping Community College** is located in the Hakka and agricultural promotion area, so it features "Hakka culture" and "friendly agriculture".
- **Lushanyuan Community College** based on local resources and needs, so it uses "community aesthetics", "leisure agriculture and wetland ecology".

Aesthetic and cultural education

4.21 Art and aesthetic sprout project

Taoyuan City handles a series of lectures on aesthetics of life and visits to art museums by subsidized schools, which strengthens aesthetic courses and experiences, develops aesthetic learning corners or maps, creates an aesthetic campus environment, and handles aesthetic education schools and teachers' experience sharing and workshops. It also promotes the sustainable development of art and aesthetic education. **About 500 people participated in the art and aesthetic sprout project, and the online platform reached about 2,000 people.**

4.22 Environmental aesthetics improvement project

Taoyuan City will build unique art galleries and performance spaces to enhance aesthetics education development through the art museum environment.

Taoyuan Museum of Fine Arts

It takes modern and contemporary art as its status, takes collection research, art performance, education and promotion as its tasks, and combines the surrounding natural environment and community planning to form an art field close to life.

Children's Art Museum

Aimed at children and adolescents, the museum plans thematic exhibitions and promotional activities, and uses the collection of children's art books and the exchange of related educational resources to further promote art and literature rooting and aesthetic education.

Hengshan Calligraphy Art Center

Aimed at calligraphy research and education, the museum shapes local art and literature characteristics, and promotes international calligraphy exchanges.

Zhonglu Art Museum

It will be used as a new base for contemporary art experiments, with new talents in residence, cross-domain art creation experiments, contemporary art exhibition publications, and co-creation of aesthetic platforms as the planning direction.

4.23 Supporting performing arts groups and cultivating local art talents

Iron Rose International Music Festival

In order to support performing arts creators to realize their dreams of creation and deepen the sustainable development of local arts and culture, Taoyuan City has held "Iron Rose International Music Festival" for eight consecutive years, providing a platform for independent orchestra competitions and performances, so that developing performing arts groups can stand out and have opportunities. It also organizes music education promotion courses to cultivate and encourage young generations to engage in music creation, effectively promote music creation energy to take root in the local area, fully demonstrating the diverse appearance of Taiwan's popular music, and integrate with international music trends. In 2021, performances will be performed in conjunction with the opening of the Taoyuan Pop Music Amphitheater.

Theater experience for disadvantaged children

In order to allow art education to take root from an early age and integrate into the lives of the general public, Taoyuan City has promoted the theater project since 2013, inviting disadvantaged children into the theater to watch performances, combined with theater guides, to provide disadvantaged children with a complete art appreciation experience.

Iron Rose Art School

The school continues to promote normal art courses to improve the standard of public aesthetic appreciation.



4.24 Daxi Wood Art Ecomuseum Education Promotion and Cultural Education Network

Education and promotion plans

In order to enhance people's awareness of local culture and promote sustainable development of the environment, Taoyuan City worked together with Daxi Wood Art Ecomuseum, through education and promotion plans for different target groups, deepened the awareness of sustainable development. And promote the cultural education network, with cultural asset regeneration as the core concept, linking important cultural issues and related communities in Daxi. It also encourages residents to become partners in action, and use their own space to accumulate, collect, interpret, and feel Daxi culture, to show that "Daxi is a museum."

Cultural asset regeneration plan

In order to preserve the local spatial memory and improve the overall landscape of Daxi's old town, the Daxi Wood Art Ecomuseum uses a cultural asset regeneration plan to strengthen Daxi's crafts and life aesthetics. With Daxi Old Town as the core, through cultural space shaping, on-site preservation promotion, belief culture promotion, survey documentary and other methods, promote community participation in local cultural interpretation and performance, exploration, integration and regeneration of local cultural resources, and reproduction of cultural content.

Surrounding building planning

- The first phase of the dormitory group opened in 2016~2017.
- The Daxi Assembly Hall and Chiang-kaishek Villa closed for renovation in 2018 and opened in 2020, to become a wooden life museum and a wooden furniture store.
- The second phase of the dormitory group has started restoration since 2018 and is expected to open in 2021.

Daxi Game School

Taoyuan City combines the national historic site Teng-fang Lee's ancient house with Yamay Leisure Agriculture Area, revitalizing in a lively way, based on the principle of residents' participation and multiple experiences, and develops three major themes of multi-learning programs. Families, school groups and tourists can experience the beauty of Daxi culture.

4.25 Children's Toy Library

Taoyuan City has set up a Children's Toy Library in Dayan Forest Park in Bade District. In order to reduce the impact on the ecology of the existing base, only the old buildings are repaired and re-used. The building focuses on the establishment of toy displays, book reading area and parent-child experience and other service spaces, and preserves the playfulness and art of traditional wooden toys, so as to achieve the purpose of inheriting, sharing, and promoting toy art culture in the children's toy library.





Fair education

4.26 Smart learning classroom

In order to respond to the development of technological trends and to narrow the learning gap between urban and rural areas, Taoyuan City jumped out of the framework of traditional teaching and used digital schools to cultivate the next generation and enhance the logical thinking and future competitiveness of young students.

Smart Learning Classroom

The "Smart School Digital School Project" has been promoted since 2016, and the information equipment of all Taoyuan City junior high schools and elementary schools will be updated from 2017 to 2020. In addition, an interactive teaching aid system was added, VR/AR equipment, 3D printers and other emerging technology teaching equipment were added to carry out innovative teaching applications, and to handle teaching team competitions and results presentations. **At present, 141 schools have 2,298 smart learning classrooms. It is estimated that 1,400 more will be built within two years, and 3,300 tablets will be added.**

Diversity Specialized Classroom

There are 61 junior high schools in Taoyuan City, each school has 1,469 diversified classrooms in physics, chemistry, biology, music, and art based on teaching and characteristic development, providing students with diversified, enriched and professional learning opportunities.

4.27 Program training and teaching aid sharing

Actively cultivating future talents

Smart city is an important policy direction for Taoyuan City, cultivating and promoting industrial talents is also the foundation for the smart city. Taoyuan City is actively cultivating future talents, with the ability to disassemble problems, figure out the rules, summarize and abstract, design calculations, and have the ability to innovate and implement programming.

Multi-party cooperation to develop local characteristics

In addition to school education, talent cultivation channels also cooperate with companies or academic institutions to develop local characteristic learning maps through the energy and experience of digital education in the industry, and establish a teaching tool sharing mechanism to allow programming education to take root.

Trains talents for computational thinking ability

The program training plan starts from elementary school teachers and students, and then trains talents for computational thinking teaching in colleges. Through scientific and design thinking, it improves the ability of cross-domain, hands-on, five sense learning, and solving life problems.

Training seed teachers

Taoyuan City combines the information education energy and experience of local institutions such as National Central University and Institute for Information Industry to train teachers to use teaching aids to develop interesting lesson plans and create activities for elementary school students to learn computational thinking happily.

Organize camp activities to train talents

In 2019, activities such as parent-child experience camps, teacher training and teaching camps, and college computational thinking talent cultivation camps have been handled. In 2020, they will go to the rural area Fuxing District to handle joint teacher training and cooperate with Yixing Elementary School to handle teacher growth camps.

4.28 Autodidactic 3.0 Lab

Promote three-type acts of experimental education

In order to ensure the quality of national education, Taiwan promoted the nine-year compulsory national education at an early stage. All school-age children must enter the school to receive the compulsory education of elementary school for six years and middle school for three years. In 2014, the period of basic education for citizens was extended and 12 years of national education was implemented. And also the promotion of the three-type acts of experimental education, so that parents below high school can apply for non-school type of personal experimental education, the school type can handle experimental education, so that the choice of education is more diversified.

Provide an autonomous learning field

In order to ensure the protection of students' right to study and educational choices, Taoyuan City provides an infinite and broad learning field, so that students with superior abilities, driven by the motivation of independent learning, can set the direction for their own learning process.

Set up a website to provide multiple courses

The "Autodidactic 3.0 Lab" has a dedicated website (<http://www.talab3.tw/>), which provides on-demand video and course database, authorized network platform, VR virtual reality equipment, individual learning and group discussion space, science experiments and smart learning classrooms, etc., the students participating in the application are about 600 to 800 people per month, and a partnership has been established with the university to allow students to take courses in advance, explore personal interests, and lay a foundation for learning.

Handling lectures, courses and seminars

8-10 classic topic lectures are held every year, 10 sets of exploratory courses are designed, and Taoyuan City experimental education seminars and result presentations are held.

4.29 Atypical education system

In order to achieve a balanced development of ethnic groups with different educational philosophies, Taoyuan City has implemented the "Waldorf Education Experiment Project." In the future, after the regulations are complete, a Waldorf school from kindergarten to high school will be established in Yangmei District.

Safe learning environment

4.30 New municipal schools establishment plan

One High School per District

Taoyuan City promotes the "One High School per District," policy to allow students to receive high school education nearby, reduce the hardship of commuting to school across districts, and narrow the urban-rural gap, so that all students can have a safe and high-quality learning environment. Xinwu High School started enrolling students in 2017, and Luofu High School in Fuxing District has also started construction, and is expected to be completed in 2021, achieving the goal of communitization of high schools.

Assess needs to prepare new schools

Aimed at areas where the school population is increasing, Taoyuan City pre-assesses the need for schooling, adds new schools in due course, and implements educational fairness and justice. The schools currently under preparation include Qingyuan Elementary School in Zhongli District and Wenqing Junior High School and Elementary School in Guishan District.

4.31 Regeneration of unsafe and old buildings and old schools

Reconstruction of unsafe and old buildings

As Taiwan is located in the Pacific Rim Seismic Belt, earthquake activities are frequent. Taoyuan City has conducted seismic assessments on **1,820** school buildings in its jurisdiction year by year. School buildings with safety concerns will be demolished and rebuilt or reinforced to create a safe campus environment.

Implementation effectiveness

- From 2015 to 2017, the dismantling and reconstruction projects of unsafe and old buildings in **5 schools** have been carried out.
- From 2017 to 2019, **6 schools** have been awarded a special grant from the Ministry of Education.

4.32 Anti-bullying and friendly campus

The zero tolerance of bullying on campus is not only to protect human rights, but also to demonstrate the spirit of educational value practice.

Promoting campus anti-bullying activities

Taoyuan City is committed to promoting campus anti-bullying activities, including: organizing friendly campus activities every semester and integrating "prevention of campus bullying" into education promotion activities. **A total of 302 schools and 260,000 people participated.**

Handling campus human rights and legal education

The City handled **three** school bullying prevention seminars and cooperated with regional organizations to handle **100** friendly campus human rights and legal education events. The City hopes to help young people learn the literacy of the law, cultivate future masters who abide the law, and establish a safe and non-violent learning environment.

Promotes a new-generation anti-drug strategy on campus

Taoyuan City also promotes a new generation anti-drug strategy on campus, and strives to create a healthy and non-toxic learning environment (Goal 3).

4.33 Traffic guard volunteer project

Provide subsidies for guidance equipment

In order to maintain the safety of students around school, schools in Taoyuan City recruit traffic guard volunteers and provide subsidies for guidance equipment, including traffic cones, reflective vests, and reflective raincoats, to enhance the identification of volunteers and enhance the safety of volunteers on duty.

Handle volunteer training

It also handles volunteer training, including volunteer laws, rights, service content, basic traffic laws and concepts, command drills, etc. It also provides regular accident insurance and injury medical insurance for volunteers, so that volunteers can also work safely.

Traffic calming zone

Taoyuan City also emphasizes great importance to the human-oriented traffic design around the school, setting up traffic calming zones to create a safe school environment (Goal 11).



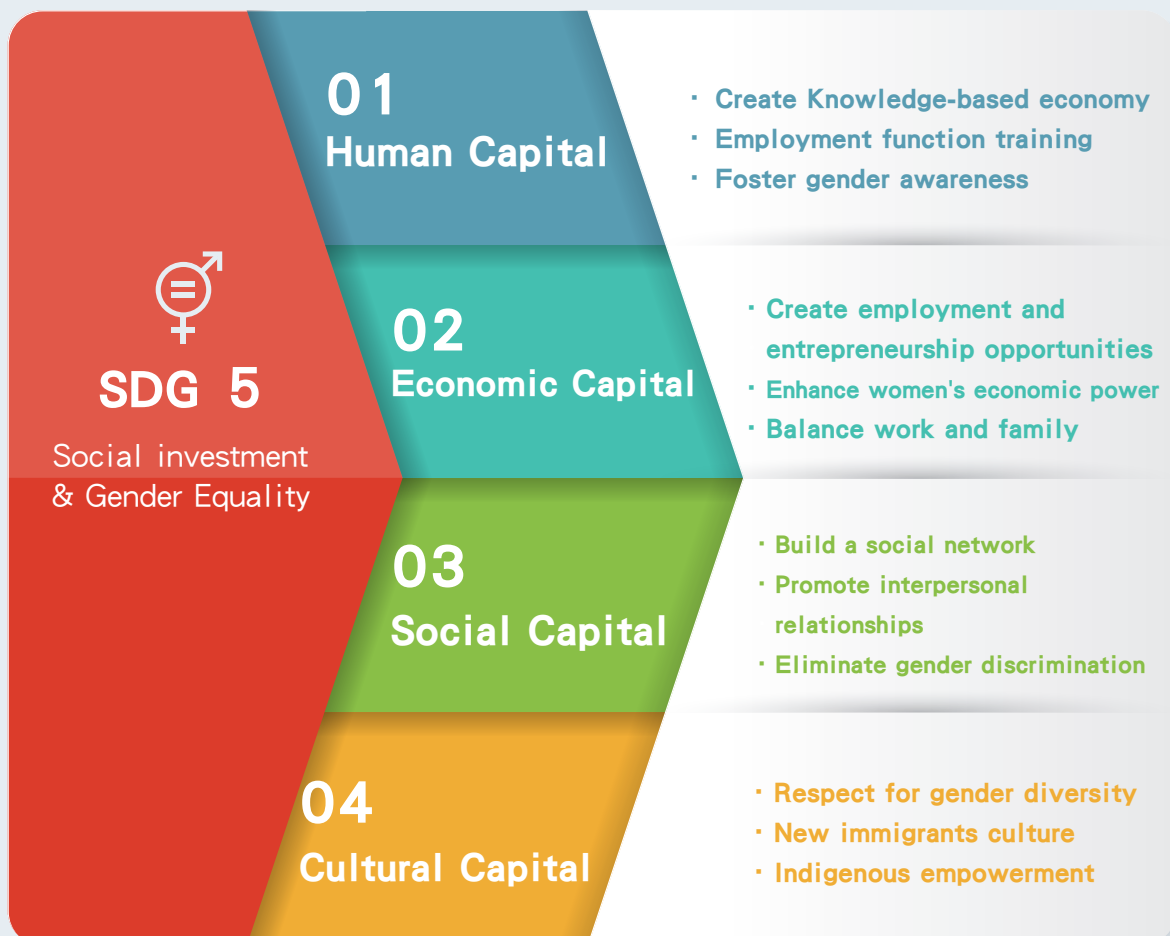


Achieve gender equality and empower all women and girls.

With the evolution of the times and the promotion of the concept of gender equality, modern women have relatively fair rights to receive education and work, and women with outstanding performance are common in various walks of life. However, there are still more men than women in public participation or high-level decision-making roles in the workplace, and regardless of whether married women have jobs, traditional social concepts still attribute most of the division of housework and parenting responsibilities to women, so gender equality is still an issue.

Taoyuan City established the country's second gender equality office in 2016, directly under the mayor's office, and allocated full-time manpower to jointly plan, integrate and assist the city's various agencies to comprehensively promote gender equality related activities. It also adopts a public-private collaboration approach to cooperate with local multi-ethnic groups and professional service units in Taoyuan City to promote gender equality related programs. In the future, we will move toward the core concept of "social investment", with four aspects of "human capital, economic capital, social capital, and cultural capital", to formulate social investment strategies to accumulate benefits and promote gender equality.

The direction of gender equality in Taoyuan City





Eliminate gender discrimination and foster gender awareness

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Since the establishment of the Gender Equality Office in Taoyuan City, it has actively promoted the elimination of all forms of discrimination against women from all aspects, and has taken "enhancing women's empowerment and promoting gender equality" as its governance vision, and actively promoted "gender-friendliness, gender equality, protection of motherhood ". Operate the platform of the Gender Equality Committee separately to discuss programs related to gender equality and women's rights in Taoyuan City. Promote gender mainstreaming, incorporate gender equality into various bills and administrative measures; fully implement Taoyuan City's gender equality policy guidelines.

5.1 Eliminate violence against women

Gender Equality Action Lectures

Through the Gender Equality Touring Program, touring the "Gender Equality Action Lectures" in each district of Taoyuan, it crosses the geographical barriers and allows gender equality to enter every corner of life, family, community and Taoyuan.

Gender diversity equality advocacy activities

Handle domestic violence and sexual assault, sexual harassment and sexual exploitation and other prevention and publicity activities through multiple publicity methods. The City cooperates with communities and non-governmental organizations to divide labor according to regions and service targets, so as to effectively and immediately provide welfare services and assistance related to violence cases.

Gender Equality Education

Starting from the educational aspect, through the "Gender Equality Education", it will tour various districts of Taoyuan City in a dramatic way to enhance students' correct understanding and self-protection of domestic violence and sexual assault prevention.

5.2 Property inheritance equality

Taiwan's inheritance laws and regulations have stipulated that "property inheritance is gender-neutral." However, the concept that traditional property is only passed on to men and not to women is still deeply rooted. To this end, cross-organization cooperation is used to unite administrative resources such as land administration, household registration, and district offices. It also cooperated with the three major associations in Taoyuan City to promote the concept of equal rights in inheritance, in order to strengthen the awareness of gender equal rights in inheritance registration, remove gender stereotypes, provide relevant legal consultation and assistance, and assist women to understand and ensure their own property inheritance rights.

5.3 Elimination of traditional stereotypes

Etiquette and Non-discrimination

In view of the fact that there are still many concepts of male superiority and gender inequality in religion, traditional folklore rituals and concepts, the Gender Equality Office examines social culture, religion, and traditional folklore concepts through **cross-office cooperation**. For example, **review traditional funeral customs, Send Shengji Festival ceremonies, the indigenous age rituals**, etc. Encourage women to lead religious ritual, promote the status of women in religion, and overturn the gender stereotype that only men can perform the rituals of the ancestral temple. **Include gender equality indicators in the public welfare religious group certification project**. In addition, through reviewing school textbooks, **teaching plans are integrated into etiquette and rituals to promote gender equality**.

Cultural and Artistic Gender Equality Promotion Plan

Through the Cultural and Artistic Gender Equality Promotion Plan, combined with arts and cultural activities, the concept of gender equality is promoted through the use of movie theaters, film festivals, and social creation forums.

5.4 Young women empowerment

In response to the UN's attention, investment, and training of girls, Taiwan has designated October 11 every year as "Taiwan Girls' Day" to allow girls to receive their due human rights and care.

Organize multiple activities to promote girls' equality

Through a series of diversified activities, the city calls on all walks of life to pay attention to issues related to the equality of girls, strengthen young girls' social participation and various exchanges and sharing opportunities, and promote gender awareness of young girls, and encourage girls to live with confidence, speak out, and break traditional gender stereotypes.



5.5 Enhance women's digital abilities

Established the Women's Digital Learning Center

With the popularization of Internet and 3C products, the way modern people communicate and acquire knowledge has changed, and the proportion of middle-aged and elderly women who use computers and the Internet is generally lower than that of men. Therefore, Taoyuan City established the Women's Digital Learning Center to handle basic computer and technology information related application training to enhance women's competitiveness and communication skills.

The community care center for new immigrants provide digital learning resources

The community care center for new immigrants in each district are used as local digital learning resources to provide a localized and accessible digital learning environment, to increase opportunities for new immigrants in digital participations, and reduce the digital information gap of new immigrants.

5.6 Same-sex marriage equality

Before the legalization of same-sex marriage, Taoyuan City also provided same-sex couples that could be registered as "same-sex couples" in the household service information system to respect, understand and accept gender diversity. Since Taiwan adopted same-sex marriage on May 21, 2019, the mayor witnessed the marriage registration of same-sex couples on the first day of the opening of registration at the Zhongli Household Affairs Office, so that society could understand and accept differences and believe that the pursuit of a happy life together is what everyone should have rights to.

Enhance women's economic power and friendly workplace environment

Taoyuan is a major industrial and commercial city in Taiwan. In order to enhance women's economic power and to have a friendly workplace environment, the city government integrates social, economic and labor policy perspectives and promotes improving women's employment and functional training, entrepreneurship counseling and loan subsidies, and creating a friendly childcare environment. The three strategies are to provide a friendly childcare environment, balance family and work, and promote women's economic participation through sound policies and training, enhance women's leadership, provide financial access, and enter the market.

5.7 Employment promotion and empowerment

Taoyuan Vocational Training Center

Through the Taoyuan vocational training center, combined with local training resources to handle vocational training and education, provide specific targets, new immigrants, and indigenous women with training opportunities, and provide new immigrants to apply for temporary childcare subsidies during the vocational training period.

Taoyuan Women's Support Program

In order to help single-parent and economically disadvantaged parents to increase their incomes and get rid of poverty, the city promoted the "Taoyuan Women's Support Program" to help set up **35 workshops**. Through professional courses, workshop management and product promotion, the parents of economically disadvantaged parents can learn skills and relieve their families. Combining physical, online, vending machines and charity capsule toy machines, etc., increase diversified sales channels and exposure opportunities to help disadvantaged families to become financially independent.

Trains re-employed women

It also trains re-employed women in their second expertise, and provides employment resources and social participation.

5.8 Entrepreneurship counseling and subsidies

In order to relieve the financial pressure of the people in the initial stage of entrepreneurship, the city assisted women in obtaining entrepreneurial loans and interest subsidies through entrepreneurship counseling and loan subsidy programs, and provided counseling, diagnosis, and other measures to solve their difficulties, assisting women in employment and entrepreneurship, and improving women's access opportunities in financing and receiving education and training to enhance women's economic power.



5.9 Balance work and family

Provide childcare environment:

One Public Childcare Per district

As far as marriage and childbearing women are concerned, if an affordable, reasonable and high-quality childcare environment can be provided so that children can be properly taken care of, women can return to the workplace without worries. To this end, the city has created friendly childcare services, promote "One Public Childcare Per district" policy, providing childcare subsidies and childcare allowances to reduce the burden of childcare. By strengthening the family care and support system, the barriers to women's employment are reduced, so that women can both work and take care of their family.

Encourage enterprises to create a friendly workplace environment

In the workplace environment, companies are assisted in setting up childcare facilities and breastfeeding rooms. And encourage companies to provide childcare facilities and measures, develop diversified job opportunities, and assist employers in checking the friendliness of the workplace environment.

Strengthen women's social participation and empower

5.10 Promote women's participation in decision-making

Standardize the gender ratio of city government group members

As women's education levels increase and they enter the labor market, there are many outstanding women in the public arena. In order to enhance women's opportunities to participate in public decision-making and enhance women's empowerment, the city government's task force must have a gender ratio of at least one-third.

Encourages women to participate in public affairs

In recent years, the number of women participating in public affairs services has gradually increased. In order to deepen the concept of gender equality in the selection of neighborhood chief, the city promoted the "Gender Equality Implementation Plan for the Selection of Neighborhood Chief" and "333 Female Neighborhood chief Like It", encouraging Women's participation in public affairs. It is advisable that the village chief should pay attention to the gender ratio of one-third when selecting neighborhood chief, and establish a system to include gender equality in the district government evaluation indicators, and strive to enhance the opportunities for women to participate in decision-making power.

Encourage women to participate in labor union meetings

In the labor union, trainees should have a sense of gender equality, and encourage women to participate in the operation of labor unions, participate in decision-making, and gradually narrow the gender gap between cadres. The proportion of female cadres in the labor union is about 32.76%.

5.11 Nurturing women's groups

Set up "Good Inn in the Indigenous Village"

Taoyuan has the third largest number of indigenous inhabitants in the country. Taking into account the inconvenience of transportation and geographical location, the City established a service base of "Good Inn in the Indigenous Village" in Fuxing District, organizes activities such as indigenous women training camps and advocacy on indigenous women's rights through the development program for the rights of disadvantaged women in rural areas.

Organize lectures and advocacy activities

Promote the public participation of indigenous women by cooperating with officials of Taoyuan's indigenous affairs organization and 64 indigenous organizations and churches in Taoyuan City to organize lectures and advocacy activities to encourage indigenous women to participate in public affairs and reduce the gender gap of officials, enhance the empowerment of indigenous women, and promote gender equality.

Encourage various organizations to increase the proportion of female cadres

In the part of farmer's associations and fishermen's associations, apart from organizing gender awareness training courses, and encouraging women to participate in public affairs and increase their willingness to participate in decision-making, Taoyuan City also included the proportion of female cadres in the evaluation bonus project to implement gender equality aims. **The proportion of female cadres in farmer's associations is about 35%, the proportion of female cadres in fishermen's associations is about 17.2%, and the proportion of female leaders in various associations is about 31.9%.**

Conduct Flagship community gender equality training courses

In view of the fact that there are more men than women in Taoyuan's community cadres, and more women than men in community volunteers, in order to increase men's participation in community care and voluntary services, and to enhance women's leadership and willingness in community development associations, through the civic participation plan, it will conduct community training courses, increase the participation of both sexes in public participation and welfare services, promote respect and tolerance among multiple cultures, and integrate the concept of gender equality in the community.

Ensure justice in resource distribution and construct a gender-friendly environment

Incorporate gender perspectives through health, environment, transportation and other fields, such as improving the safety and friendliness of Taoyuan gas station toilets and public toilets under its jurisdiction, increasing the proportion of low-floor buses, and improving the friendliness of bus waiting facilities, and in major business districts, stations, and promote the arcade leveling plan around important buildings and create a barrier-free environment to promote space-friendly facilities and health and medical environments.

5.12 Friendly public space

Review of public spaces

In order to create a friendly environment for gender equality and improve the safety of citizens in the public environment, taking into account the different needs of women, the elderly, and the disabled, the city began to review the public spaces, including roads, pedestrian walks, public toilets, breastfeeding spaces, and public transportation, whether it is in line with the universal design concept of diversity and friendliness.

Create a convenient and friendly public environment

Promotes various improvement plans, including Increase special parking spaces for pregnant women and children, gender-friendliness on buses-improving urban bus-friendly ride environment, promoting arcade leveling, friendly pedestrian environment, gender-friendly public toilets, safe parking lot, etc., to create a convenient and space-friendly public environment.



5.13 Accessible welfare services

Inventory and improvement of public toilets

The city cooperated with the gas station management authority to conduct a comprehensive inventory of the public toilets of Taoyuan City gas stations, and carry out an inventory of friendly facilities and improvement plans. The City cooperated with Taoyuan MRT Corporation to install changing tables in toilets, breastfeeding rooms, and parent-child toilets on the MRT Green Line, to strengthen gender equality and the division of housework.

Encourage women to participate in sports

In order to encourage women to participate in sports, Taoyuan City carried out the following tasks:

- Set up women's groups when organizing competitions or activities at all levels, providing opportunities for women to participate, and recruiting more female referees.
- Subsidizes clubs to handle women's sports activities.
- Set up breastfeeding rooms, women's priority parking spaces, and special areas for women and the elderly in the national sports center.
- Handle women's sports courses and provides women's sports preferential programs to increase women's willingness to exercise and use. In terms of proportion, **the number of participants in the women's sports in 2019 was 43,089.**

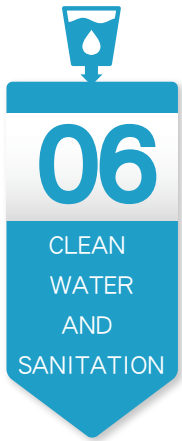
5.14 Friendly medical environment

Provides pre-marital and newly-weds education courses

Taoyuan City provides pre-marital and newly-weds education courses with gender awareness and incentive measures, and strengthens the responsibilities of partners in reproductive care to slow down women's role in family care.

Provide four-in-one medical subsidy

In order to increase the willingness of women of childbearing age and their spouses to give birth, Taoyuan City provides health check-ups, pregnancy check-ups and other related subsidies through the subsidy Program, as well as subsidies for women's special medical needs. From pre-pregnancy to pregnancy period, a series of care for the citizens' reproductive health, and reduce the medical burden of women's infertility.



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

Goal 6 is to emphasize drinking water sanitation and sustainable use of water resources. Taoyuan City is a prosperous industrial and commercial city, and its water consumption cannot be underestimated. Taking into account the needs of citizens' lives and urban development, we not only hope that citizens can use water, but also that citizens can use it with peace of mind. Taoyuan City is committed to improving river water quality, promoting the construction of on-site wastewater disposal of water quality purification, public sewerage, Sewage Treatment Center, etc., implementing environmental education through the River Education Center, public and private efforts to protect the water environment, practicing the determination of sustainable water management, and implementing water use rights.

Fair and universal tap water

6.1 Upgrading the rural tap water supply project

Promotes the construction of tap water in remote areas

The pervasion rate of tap water in Taoyuan City is 95.71%, and there are still some remote areas without tap water available. In order to take care of disadvantaged groups and implement water rights, Taoyuan City actively promotes the construction of tap water in remote areas, and subsidizes people in areas with no tap water to install tap water through the "tap water extension project" and "outline of tap water user equipment". Priority is given to areas around reservoirs and insufficient water sources.

Subsidies for indigenous peoples to install tap water equipment

In order to achieve water rights in indigenous areas, Taoyuan City promoted the delivery of water to remote villages, subsidized the people to install tap water, and provided full subsidies for the indigenous to install user equipment outside the line before completing the water pipe, reducing the burden on the people, Fuxing District, Daxi District, Longtan District In total, about **541 households** in the district have benefited.

Set up tap water pressurization stations

In order to achieve the goal of connecting the whole line of water pipes in Luofu area, **three** tap water pressurization stations have been set up at Xinfeng, Neizha and Yuanshan to assist the indigenous to install tap water.

Clean and sanitary water source

6.2 Zhongzhuang retention basin, Shimen Reservoir flood tunnel

Shimen Reservoir is located in Taoyuan City. **The daily average water supplied by the reservoir is about 800,000 cubic meters.** It mainly supplies public water in Taoyuan City, New Taipei City, and Hsinchu County, and is an important source of water for Taoyuan City. The typhoon season often causes the turbidity of the reservoir to increase and the water supply was stopped. Therefore, the Zhongzhuang retention basin was built as a backup artificial lake with **an effective storage capacity of about 5.05 million tons and a standby water supply for at least about 7 days.** The Shimen Reservoir's siltation problem was discharged through the anti-silt tunnel. The Amuping flood tunnel started in April 2018. After completion, **it will increase the discharge capacity of about 640,000 cubic meters each year,** which can extend the service life of Shimen Reservoir and enable sustainable operation.



6.3 Shimen Reservoir phosphorus reduction plan

Investigate and monitor the inflow water quality of the Dahan River

In order to ensure the water quality of Shimen Reservoir, Taoyuan City continued to investigate and monitor the inflow water quality of the Dahan River as the basis for pollution control in the water source protection zone.

Advocate on water resources conservation

It also evaluates the impact of pollution discharge along the upper reaches of the Dahan River on rivers and reservoirs, and conducts education and publicity on water resources conservation and promotes environmentally friendly detergents for the public, tourism and retailers.

Integrated measures to jointly promote water resources conservation

Integrate phosphorus and nitrogen reduction and related measures, establish a horizontal communication platform, and jointly promote water resources conservation. **The Carlson Index of Shimen Reservoir in 2019 is 45.**

6.4 River pollution remediation and industrial permit inspection plan

In order to improve the serious pollution of the rivers in Taoyuan City and promote the improvement of rivers in key river basins, Taoyuan City handles river pollution source analysis, river water quality monitoring, heavy metal reduction, list industrial audit control, permit review and inspection to improve river water quality. **In 2019, the average concentration of BOD in rivers was 9 mg/L, and the rate of light and uncontaminated rivers was 61.1%.**

6.5 River basin total amount control management plan

Taoyuan City announced "Taoyuan City Xinjie River and Puxin River Basin Waste (Sewage) Discharge Total Amount Control Method" and "Taoyuan City Nankan River Basin Waste (Sewage) Water Total Amount Control Method". It monitors river water quality, tracks the effectiveness of control, and simulates water quality improvement to conduct rolling reviews to improve heavy metal pollution in rivers. **In 2019, the five major rivers in Taoyuan City had an average pass rate of 98% for heavy metals.**

6.6 Laojie Creek Hsinshin Peak aerated gravel-packed contact bed facility

Taoyuan City has set up aerated gravel-packed contact bed facilities in Laojie Creek Hsinshin Park to intercept domestic sewage in densely populated areas upstream, and introduce part of the Laojie Creek water for combined purification treatment, with a daily interception of 30,000 tons, making it **the largest water purification site in Southeast Asia, river pollution removal rate can reach more than 80%.**

6.7 Water purification and on-site wastewater disposal

Taoyuan City has implemented water quality improvement based on the water quality monitoring results of the water quality monitoring station over the years. In view of the long construction period of the sewerage system project, in order to improve the water quality and the living environment of the residents around the river in advance, and effectively reduce pollution, the constructed wetland, drainage water purification, gravel room and other projects, carry out water purification and on-site wastewater disposal, improve river water quality, and achieve the goal of sustainable recycling of water resources.



Properly dispose of wastewater

6.8 Sewerage construction plan

The construction of public sewerage system is an important indicator for improving the progress of the city. Taoyuan City has promoted the construction of sewerage system in a diversified manner, accelerated the increase in the penetration rate of sewerage system, and improved the water quality of rivers. **The sewerage pervasion rate of users increased from 5.46% in 2014 to 21.5% in 2019, and is expected to reach 24.45% in 2020.**

6.9 Wastewater treatment in industrial areas

Taoyuan City emphasizes great importance to the management of industrial waste and sewage. The industrial park needs to set up sewage treatment plants in accordance with the law, and build sewage pipelines that meet the standards before they can be discharged into sewers, and regular sampling and testing at discharge outlets and water intakes. The city controls the waste and sewage of 12 industrial zones that have established management units and sewage treatment plants, including pollution verification, holding independent management meetings, wastewater discharge outlet sampling, and rainwater discharge outlet inspections.

6.10 Industrial wastewater recycling

Set up a joint supervision group to supervise private companies to improve water quality

AU Optronics Corporation, located at the junction of Taoyuan City and Hsinchu County, caused Hsinchu County residents and environmental protection groups to fight because industrial wastewater was discharged into the Xiaoli Creek. Taoyuan City and Hsinchu County established a joint supervision team to supervise the progress of AU Optronics Corporation's water quality improvement. AU Optronics Corporation has completed the "zero discharge of wastewater" project in 2015, and its wastewater shall not be discharged into the creek, and has set up a water resources education hall to promote science and environmental education.

Cooperation to promote the improvement of industrial wastewater recycling technology

In order to ensure both business operations and environmental sustainability, Taoyuan City cooperated with AU Optronics Corporation to promote industrial wastewater recycling technology, increase industrial wastewater recycling, reduce wastewater discharge into rivers, and further improve river water quality. **As of the end of 2019, AU Optronics Corporation's wastewater recycling volume was promoted to 1,200 CMD**, which significantly improves river water quality and ecological environment.





Improve water efficiency

6.11 Proper disposal of discharged water from the Sewage Treatment Center

Taoyuan Sewage Treatment Project

Taoyuan City has the largest population growth rate in Taiwan and is the largest industrial and technological city. More than one-third of the 500 major manufacturing industries have set up factories in Taoyuan. In order to avoid water shortages affecting residents' lives and industrial development, Taoyuan City implemented the "Taoyuan Sewage Treatment Project" in 2016, hoping to reduce water pressure and improve water resource scheduling flexibility through the injection of reclaimed water.

Taoyuan Sewage Treatment Center

Taoyuan Sewage Treatment Center is the largest reclaimed water plant in Taiwan and is currently in the early stage of planning. In 2019, the Taoyuan City Government and the Water Resources Agency actively cooperated with major water users such as the Guanyin Industrial Park and Taoyuan Oil Refinery to promote the reuse of discharged water. It is expected that the released water recycling and reuse project will be announced in 2020 to attract investments. In 2021, the plan is to build a reclaimed water plant and water pipeline. The supply of reclaimed water will start in 2024. The supply targets include Guanyin Industrial Zone, Taoyuan Refinery Plant and Aerotropolis Restricted Industrial Zone.

Integrated water resources management

6.12 Smart groundwater management

Taoyuan City's Regulations on the Autonomy of Groundwater Water Rights Installation and Water Measuring Equipment

In order to effectively manage the groundwater intake in Taoyuan City and urge water users to jointly maintain water resources, Taoyuan City enacted a law in 2019 requiring the City's major industrial and commercial water users with a total annual use of more than 100,000 tons of groundwater to install a smart water meter. Before the groundwater use right certificate is issued by the municipal government, an electronic water meter and a smart water meter should be installed, and the water use record should be reported to the groundwater platform system. The public and the city can use the Internet to grasp the water pumping situation, and display the water pumping amount, electricity consumption and other situations in real time.

Build groundwater smart IoT and database

Taoyuan City has completed preliminary groundwater smart IoT, platform system database management, and groundwater hydrological analysis. Through scientific and technological pumping management operations, and big data analysis to determine safe groundwater levels, we can adjust industrial water use, and stabilize groundwater volume and quality. While taking into account the sustainable goals of water resources protection and industrial development.

Protect and restore water ecosystem

6.13 Ponds and Canals Regeneration

Ponds are one of the most representative landforms in Taoyuan City. Promoting the regeneration of ponds is an important water resource issue in Taoyuan City. Ponds are water storage facilities built to irrigate farmland in the early years to avoid the dilemma of insufficient irrigation water sources. Taoyuan currently has about 3,000 ponds. Due to factors such as industrial transformation and urbanization of the population, some ponds are left unused or transferred to other uses. Therefore, a diversified utilization plan for pond resources is required.

National Important Wetland

In 2017, 340 ponds including the Yangmei Wildlife Sanctuary and the Bade Pond Natural Ecological Park were declared as important wetlands at the national level by the Ministry of the Interior. Good farmland areas and areas with ecological preservation value were preserved. Taoyuan City started in 2018 to promote the "Taoyuan Pond and Important Wetland Database and Ecological Resources Survey Project" to investigate the ecological changes of the ponds, canal environments and water quality. At the same time, it will conduct surveys and on-site surveys to count, investigate and update the ponds.

Multifunctional Flood Detention Facilities Project

To cope with the impact of climate change, Taoyuan City aims to lessen the burden to reduce the risk of flooding and runoff in the overall catchment area, and use existing ponds in conjunction with the "Multifunctional Flood Detention Facilities Project" to promote the overall management of the river basins.

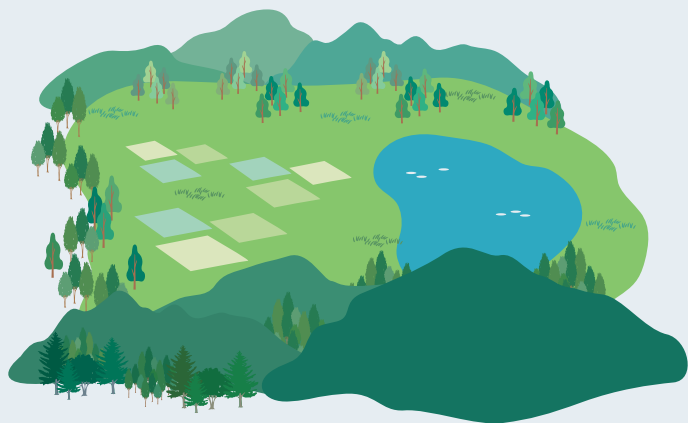
The multi-functional flood detention pond can be used with land to develop flow control measures and improve flood protection standards to reduce flooding disasters. It also provides multi-functional venues for leisure activities such as trails around the lake and recreational parks.

Ecological Water Corridor

In addition to water conservancy irrigation and flood prevention and detention, ponds also have cultural and historical implications that reflect social changes, as well as landscape, leisure and recreation, ecology, and education. The City actively builds a great pond environment and creates an ecological water green corridor. Through the creation of a pond ecological park with the significance of environmental symbiosis, it has the function of flood detention and reducing the heat island effect, and becomes a good place for citizens to get close to the natural ecology.

Aerotropolis ponds reservation

Taoyuan Aerotropolis plans to retain 17 ponds. In addition to the flood detention function, the water circulation system and green corridors can be reconnected to create habitats of different scales. The flood detention ponds in the area can improve the monotonous surrounding plantations to increase the diversity of the ecosystem, create spatial aesthetics, plan pond ecological green corridors, and increase green public spaces.



Civic cooperation to protect water resources

6.14 River Education Center

The Taoyuan River Education Center

It is the first education center in Taiwan with the theme of "River". Through the historical construction of the land and space adjacent to Laojie Creek and the ancient brick house of Hakka Sanheyuan, it can be used as a cultural and historical base and an experience field for exploring rivers. At the same time, it can be transformed into a sustainable state through the combination of space and experience. From the humanities history to the ecological education level, the education center gradually achieves educational effect.

1.Outdoor commentary area

There is a scaled down version of Laojie Creek, which presents the ecological engineering methods of transforming Laojie Creek with actual topography.

2.River Ecological Education Center

Through the text explanations, interactive installations and miniature models, visitors can further understand the "Big Flip Cover Plan".

3. Laojie Creek Story House

It rehabilitates the traditional architectural space and shows the relationship between Laojie Creek and people in the past with historical photos.

6.15 Water Environment Conservation and Patrol

Water environment patrol teams

Taoyuan has many natural water environments, including coasts, rivers and ponds, all of which require the assistance of the water environment patrol team. Taoyuan City began recruiting water environment patrol teams in 2016. As of the end of 2019, there were **66** water environment patrol teams with a total of **2,483** members. **Both the number of teams and the number of volunteers rank first in Taiwan.**

Counsel the civilian patrol team

Taoyuan City encourages environmental protection groups, private enterprises and community citizens to take the initiative to establish a water environment patrol team, which conducts patrol team visits and provide guidances every six months, and trains teachers and assists in reporting dirty areas. Through education and training, clean streams and beaches, volunteer training and other activities, combined with the strength of the City and the private sector, we can jointly maintain the water environment of Taoyuan.

Implementation effectiveness

In 2019, the water environment patrol team handled **768** beach cleaning, water quality monitoring, ecological conservation, education and promotion activities on its own; **11,742** notifications, inspections and clean-ups of river banks were reported; assisted in **72** notifications of river pollution cases, to effectively improve the water environment quality of Taoyuan City. In the future, it can be expanded to areas such as environmental testing and ecological conservation, so that the river water quality in Taoyuan City will become cleaner and the overall landscape will be more beautiful.

Taoyuan city has pure and beautiful water resources.



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

Taoyuan City is the country's largest industrial city. In order to ensure that everyone has access to affordable, reliable and sustainable energy, we will jointly develop green energy through civic cooperation, improve energy efficiency, and promote the development of green energy industry, achieving non-nuclear, low-carbon, coal reduction, and green energy visions. In 2018, the "Green Energy Project Office" was established to integrate energy creation, energy storage and energy saving project resources, leading Taoyuan from an industrial city to a green industrial city.

Development of renewable energy

7.1 Taoyuan Green Electric City Project

Energy transition policy

In Taiwan's current power generation ratio, thermal power accounts for about 84%, nuclear power accounts for about 10%, and renewable energy accounts for about 6%. It is actively promoting the energy transition policy. By 2025, the non-nuclear homeland's goal is set to increase the amount to 20% of renewable energy power generation.

Diversified electricity market

In the future, a diversified electricity market will be developed to ensure a stable supply of electricity, taking into account energy security, green economy and environmental sustainability.

Multiple renewable energy policies

Taoyuan City is the country's largest industrial city, with the largest number of households in the country with an electricity use capacity of 800kW or more. Industrial electricity accounts for 16.7% of the country's total industrial electricity consumption. Taoyuan City promotes multiple renewable energy policies, including: installing solar energy on the roofs of public houses, subsidies for private renewable energy equipment, and public participation in green energy roofs. The cumulative installed capacity of renewable energy in 2019 reached **476.9MW** (million watts). And the solar photovoltaic device capacity was **2.46MW** (million watts), an increase of about **47.3 times** compared with 2014. The goal is to reach 1.2GW (one gigawatt) of cumulative installed capacity of renewable energy by 2030.

Standardize the installation of green energy equipment

Taoyuan City mainly develops two green energies: wind power and photovoltaics, and electricity users who use more than a certain amount of electricity through the law should install 10% green energy equipment. **It is estimated that 182.2MW (million watts) of solar photovoltaic device capacity can be installed, and the annual carbon reduction is more than 100,000 metric tons.**

Power saving plan

Taoyuan City is also actively cooperating with the central government to promote the power saving plan. It has implemented the replacement of energy-consuming equipment in the residential and commercial sector, introduced new power-saving measures, promoted demand response management measures and auxiliary services, strengthened power demand management, and implemented smart energy.

7.2 Garbage treatment facilities waste-to-energy project

Taoyuan City actively promotes the recycling economy and waste recycling policies, through the BOO Waste Incinerator power generation plan, the Biomass Energy Center construction, operation and transfer (BOT) project, and the public landfill solar green power renewable energy plan to promote turning general waste into energy, increasing the output of renewable energy, and achieving the goal of sustainable energy.

BOO Waste Incinerator

Taoyuan City BOO Waste Incinerator is the only BOO large-scale waste incinerator officially in operation in the country. It is also the country's largest privately owned waste incinerator, **with a daily waste treatment capacity of 1,350 metric tons**, which can treat solid waste, sludge, and lubricants wastes. Moreover, it can recover thermal energy to generate electricity, with a **design thermal efficiency of 23.4%**.

Taiwan's first biomass energy center

Taoyuan Biomass Energy Center adopts the BOT method, which can convert wastes into recycled materials and products, and treat high-calorie wastes such as kitchen wastes and organic wastes, implementing the concept of circular economy, and becoming a bioenergy industry and resource recycling Demonstration Park. It is expected to be completed in 2021.

Public landfill solar green power renewable energy

Taoyuan City has installed photovoltaic power generation systems at five public landfills. **The estimated annual power generation is about 3.15 million kWh, and the green energy produced can reduce 1,306 metric tons of carbon dioxide emissions each year.**

7.3 MRT Depot Solar Power Project

In order to provide reliable and sustainable modern energy, Taoyuan City installed solar power systems on the roofs of two MRT depots.

Luzhu MRT depot

Since its opening in June 2019, Luzhu MRT depot has generated approximately 1.37 million kWh of electricity and is expected to **generate 2.04 million kWh per year.**

Qingpu MRT depot

Qingpu MRT depot is expected to start operation in June 2020, with an annual power generation capacity of **3.78 million kWh.**

Install solar panels on the roof

Taoyuan MRT also plans to install solar panels on the roof of the depot, which is expected to generate **4.18 million kWh** of electricity annually. In 2030, the total solar photovoltaic power generation capacity can reach **10 million kWh** per year.

Improve energy efficiency

7.4 LED smart street light reinstallation

Smart street light management system

There are about 160,000 street lights in Taoyuan City, of which about 120,000 are traditional street lights. In order to promote energy saving and carbon reduction, improve energy efficiency, improve street lamp maintenance efficiency, and road lighting quality, Taoyuan City has completely replaced traditional street lights with intelligent ones, low energy-consuming LED street lights. The City builds a smart street light management system and improves related cables and equipment together, which will reduce carbon emissions by about 60,000 metric tons and electricity bills of about 153 million yuan each year. The smart street light management system can automatically report to the control center when a fault occurs, so as to facilitate maintenance, reducing the labor cost of night inspections and reporting cases of public faults, and improving the service quality and maintenance management efficiency of street lights.

Demonstration area for smart street lights

A demonstration area for smart street lights is planned to be set up in the high-speed railway special zone, and 1,800 smart street lights are expected to be installed in the entire district. Smart street lights have functions such as dimming, monitoring, fault reporting, and timing switches. It can also be expanded to integrate environmental quality detection, pedestrian and vehicle flow detection and other functions. In places with a lot of people, smart street lights can also be equipped with electronic billboards to promote local tourism, disaster prevention and safety and other digital information, provide the public to read various information, and show the results of multiple smart applications.



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

Taoyuan City creates a friendly industrial environment, provides necessary assistance to enterprises, enhances the energy of industrial upgrading and innovation, and develops local characteristics to promote economic development, hoping to create more employment opportunities and a safe employment environment.

Industrial innovation and investment

8.1 Asia Silicon Valley Development Agency in Taoyuan

Taoyuan City has promoted the "Asia Silicon Valley Development Agency" in line with national policies to support industrial transformation and industrial innovation.

Hutou Mountain Innovation Park

In June 2019, the "Hutou Mountain Innovation Park" was established to create the first 5G smart vehicle innovation cluster in Taiwan. Through new innovation acceleration and industrial matching, it attracted 100 new ventures or enterprises to establish, leading Taoyuan City to become a smart city demonstration field. The park has built a platform for the creation of intelligent robots and connecting the creation of the robot industry clusters, attracting more than 40 related industries.

Asia Silicon Valley Innovation and R&D Center

The government established the "Asia Silicon Valley Innovation and R&D Center" to build a safe, smart, interconnected, and interactive innovative R&D center with emerging smart technology buildings, serving as the exchange base for 5G, AI, IoT, AVMR, big data, industry 4.0, etc.

Integrating the innovative energy of the domestic Internet as a link to international innovation centers to develop Taoyuan City into an Asia-Pacific innovation exchange hub, industry information and an important platform for talent exchange. Assisting local enterprises and startups/young entrepreneurs to link internationally, encouraging companies to set up R&D headquarters and industrial offices, investing in Taoyuan, driving the smart transformation and upgrading of local industries, creating industrial output

value and employment population, and building Taoyuan City into a smart city as Taiwan's role model.

Linking central and local resources

1. Various subsidies and programs

In terms of industry, the City promotes the smart transportation system ITS, smart urban and rural life application development, subsidies for urban and rural characteristic industrial parks, and the Ministry of Economic Affairs' small business innovation research and development program SBIR. The City promotes self-driving car test simulation scenarios, self-driving bus public transportation service field, establishes 5G IoT innovation experience demonstration zone, and sets up smart IoT innovation field.

2. Enterprise Finance Loan Project

In terms of capital, young entrepreneurial groups were turned into entrepreneurial teams through the matching of the national development fund investment and guaranteed financing loan project, etc.

Expand international business opportunities

1. Sign MOU with major international manufacturers

Taoyuan City signed a Memorandum of Understanding (MOU) with major international manufacturers, such as signing a letter of intent with Cisco (CISCO) to jointly improve information security technology policies; signing a letter of intent with DHL to jointly build an important logistics base.

2. Promote matching activities

Continue to promote the matching activities of international procurement opportunities, leading Taoyuan City manufacturers to enter the world, and expanding export business opportunities.

8.2 Investment to promote economy

Launched investment programs and review

Taoyuan City has assisted in "Action Plan for Welcoming Overseas Taiwanese Businesses to Return to Invest in Taiwan", "Action Plan for Accelerated Investment by SMEs", and "Action Plan for Accelerated Investment by Domestic Corporations". Through methods such as obtaining construction permit and three-dimensional review of industrial zones, **the investment amount in 2019 reached 312.6 billion NTD, an increase from the investment amount of 251.6 billion NTD in 2018 24.24%, creating more than 30,000 job opportunities.**

Promote several national projects

Integrating resources and connecting industries, driving regional industrial economy, promoting national projects such as "Taoyuan Aerotropolis Project", "Asia Silicon Valley Development Agency", "Forward-Looking Infrastructure Project", and building Hutoushan Innovation Park, Motor Silicon Valley Park, Asia Silicon Valley Innovation Research and Development Center, Taoyuan Convention and Exhibition Center, and international tourist hotels, etc., accelerates the development of smart industries and establishes an industry development platform.

8.3 Promote the localization of the rail industry

In order to promote the localization of the rail industry in Taoyuan City, when purchasing MRT system signal computers, signal lights, car radio TCI, digital sub-clocks and other maintenance materials, domestic products are given priority to, to increase the output value and development of the domestic rail industry. The proportion of domestic product purchases for maintenance materials in 2019 is about 6%, and it is expected to increase to **10%** in 2022. With the MRT Green Line expected to open to traffic in 2025, the procurement volume will increase, and the parts and components will gradually be localized. It is estimated by 2030 the annual purchase number of domestic products for maintenance materials can reach **30%**.

8.4 Private participation in the management of sports venues

Combine private resources to manage sports venues

In order to effectively manage and use sports venues, save government budget expenditures, and improve service quality, Taoyuan City has commissioned professional operators to handle sports venue operation and maintenance management. It is hoped that the combination of the City and private resources will promote the professionalization of sports venues.

Provide diversified sports participation opportunities

Introduce information technology and services, and combine with "Sports Card Program" to provide citizens with diversified sports participation opportunities, while activating the sports industry and creating job opportunities.

Integrate various sports venues information

In order to encourage the development of the sports industry, Taoyuan City plans to build a management platform to integrate the data of various sports centers and private sports venues, so that the public can more easily find what they need. The private industry can also check the progress of the case review and improve the efficiency of the development of the sports industry.

Create job opportunities

8.5 Youth Start-Up Hub

Provide youth entrepreneurship resources

Taoyuan City is committed to creating a friendly environment for innovation and entrepreneurship in Taoyuan and increasing the willingness of youth to innovate and start businesses. With the Youth Start-Up Hub as the core, it provides entrepreneurial space, entrepreneurship courses, and early funding for entrepreneurial youth, supplemented by interest subsidies for entrepreneurial loans, media exposure, and entrepreneurship. Competitions, business matching, product business model construction and financial consulting services solve the problems faced by young people in the entrepreneurial stage. It hopes to promote youth innovation and entrepreneurship and build Taoyuan into a capital of innovation and entrepreneurship.

Set up Youth Start-Up Hub

At present, Taoyuan City has **three Youth Start-Up Hubs**, including TYCommander, Andong Youth Start-Up Hub, Hsinming Youth Hub, recruiting potential entrepreneurial teams from the IoT, VR, and artificial intelligence to stations, providing entrepreneurs with guidance on intellectual property, legal affairs, and finance, assisting in obtaining R&D subsidies, domestic and foreign market matching, product model construction and other services shorten the period of entrepreneurial exploration and assist young people to embark on their first mile of entrepreneurship.

8.6 Social Business Center and University Social Responsibility

University Social Responsibility

Taoyuan City and various universities and colleges actively promote the practice of university social responsibility, to become an important cradle of social business startup teams. The university space can provide social business, artificial intelligence and other training teams to station in, so as to attract more young students to invest in the field of social business and promote social innovation and progress.

Social Business Center

Taoyuan City is the first city in Taiwan to establish a social business center. It provides various types of counseling and resources to support young people's involvement in social business entrepreneurship and development. It uses innovative and creative corporate forms to improve various social problems and provide youths with a way to charity entrepreneurship.

8.7 Youth Safe Employment Program

Considering that young people are entering society and the employment situation is relatively unstable, Taoyuan City communicates and cooperates with enterprises to help young people find stable employment and develop their skills.

Youth Safe Employment Program, youth self-learning program and technician license award

The program assists unemployed young people who are under 30 years old and graduated from high school in Taoyuan City to find employment, and encourages institutions or organizations to provide job opportunities. Through employment incentives, the employment of young people can be stabilized, while at the same time assisting institutions to improve the plight of manpower recruitment.

Promoting self-learning programs for Taoyuan youths, providing tuition subsidies and incentive measures for those who participate in skills certification to enhance the employment competitiveness of young people.

Implementation effectiveness

After the youth employment program was promoted, it effectively reduced the youth unemployment rate in Taoyuan City, stabilized youth employment, and shortened the time for job hunting.

- In 2019, **the unemployment rate** of 15-29 years old in Taoyuan City was 8.09%, a decrease of 0.7% from 8.79% in 2018, it was lower than the Taiwan average of 8.71%, and was also **the lowest among other municipalities**.
- **80%** of the young people who received program counseling were still employed in their original institution after 6 months, and **92%** were still employed.
- **The average job search time** for young people who received program counseling was 4.47 weeks, which was much **lower than the Taiwan average** of 19.9 weeks.



8.8 Assist the disadvantaged groups in employment

Set up employment service desks and employment centers

Taoyuan City has set up 12 employment service desks and 2 employment centers to handle diversified recruitment activities and provide localized and accessible employment services. The City **handles at least 300 recruitment activities each year, with approximately 17,000 people participating, and the employment match rate reaches 80%.**

Provide specific targets employment incentives

Provide incentives, temporary work allowances, etc. for specific targets including middle-aged, the disabled, second career women, new immigrants, indigenous, rehabilitated addicts and criminals, drug addicts, domestic violence and sexual assault victims, etc., the City provides employment incentive measures, job-absent employment incentives, employment incentives for nurse aides, workplace learning and re-adaptation plans, temporary work allowances, job redesign plans for the middle-aged, etc., to increase the employment rate of the disadvantaged unemployed and stabilize employment.

Establish a service network for indigenous employment

The City has established a service network for indigenous people's employment, handling indigenous talent recruitment activities, increasing the employment matching rate of indigenous people, and providing indigenous people's vocational training courses to assist indigenous people in employment.

8.9 Government departments give priority to hiring disadvantaged groups

Taoyuan City emphasizes great importance to the work rights of disadvantaged groups. Government departments over-recruit indigenous and the disabled. It actively encourages various agencies to list vacancies for the disabled and indigenous people's special examinations, and give priority to hiring the disabled and indigenous people when other non-commissioned positions are vacant.

8.10 Vocational rehabilitation services for the disabled

In order to enable the disabled to enjoy an equal, dignified, and humane employment environment, and to be able to adapt their talents and adaptability to suitable places, Taoyuan City uses case management to link the city's resources for vocational rehabilitation for the disabled, conduct vocational skills training, enhance employability, provide appropriate supportive employment services. The public sector also releases vacancies to assist the disabled in short-term employments. For those who have the desire to find employment but have insufficient employability, sheltered employment services are provided. **In 2019, the employment rate of the vocational rehabilitation service for the disabled was 59.63%, and the employment rate of the public sector job vacancies and sheltered workshop employment services were both 100%.**

8.11 Indigenous entrepreneurship counseling industry

Provide entrepreneurial counseling and follow-up surveys

For indigenous people, Taoyuan City provides entrepreneurial consulting and counseling, assisting in evaluating entrepreneurial suitability, legal consulting, market risk assessment and subsidy consulting, etc., providing resources and information integration or linking services in the entrepreneurial process. The City handles follow-up care and surveys, analyzes the current status and difficulties of entrepreneurship of the counselee, and assists in providing referral related plans.

Set up a cultural and creative center and entrepreneurial platform

Taoyuan City Indigenous Cultural Center has set up a "Tayniho" and a cultural and creative center to introduce a market-matching mechanism to promote the development of cultural creativity and youth entrepreneurship; and set up a "hata'" youth entrepreneurship platform to provide entrepreneurial consulting and guidance.

International aboriginal indigenous cultural and creative industrial park

Provide indigenous people with job creation and training opportunities with four major functions: "consumer service", "cultivating talents", "tourism connection", and "life aesthetics platform".

8.12 Indigenous police officers returning to hometown

Handling lectures on law enforcement in indigenous jurisdictions

The Fuxing District under the jurisdiction of the Daxi Branch of the Taoyuan City Police Department is an indigenous area. In order to enable the Daxi branch officers to effectively master relevant laws and regulations, and on duty skills, Taoyuan City uses teaching materials related to the indigenous people as the basis and is taught by senior police officers. The course combines academic and practical perspectives, so that colleagues in Daxi Branch can quickly acquire knowledge of law enforcement.

Encourage indigenous police officers returning to hometown

Encourage indigenous police officers who are familiar with the conditions of the hometown to return to their hometown. This plan can reduce the language and cultural gap between the police and the people, and maintain law and order. **The number of indigenous police officers in Taoyuan City is 201 (4.35%). From 2017 to 2019, six indigenous police officers returned to serve their hometowns.**

8.13 Complete vocational training

Vocational training

In response to the increasingly diversified needs of industry talents, the training of skills needs to take start early. The vocational training integrates government resources, school education, industrial practices and other local resources in Taoyuan. Plan vocational training courses that accord with the manpower demands of the market, and incorporate disciplines, techniques, and practices. Provide a training system of "doing while learning, learning by doing". It plans to handle **45 vocational training courses every year, providing at least 1,350 training places, and the post-training employment rate will reach more than 75%.**

Handle nurse aides training

In response to the aging society, and long-term care for the shortage of human resources, Taoyuan City has been implementing nurse aides training related programs since 2017, training nurse aides professionals, assisting in the field of nurse aides, and expanding the training capacity year by year. **As of 2019, 35 classes have been**

handled and 967 people have been assisted to obtain the qualifications of nurse aides, and the post-training employment rate has reached more than 80%.

Provide indigenous vocational training services

The city provides on-the-job training courses for indigenous peoples, provides counseling and examination services, assists indigenous youth in career exploration and cultivates soft power in the workplace, and strengthens employment competitiveness.

Provide students vocational training measures

The city provides students with career exploration, technical and vocational training, and education cooperation, etc (Goal 4).

Protect labor rights

8.14 Improve the labor union

Counseling labor union establishment

Taoyuan City Government counsels laborers to organize labor unions through one-stop window consulting services and websites, and counsels the establishment of more than two labor unions every year.

Encourage labor unions to sign collective bargaining agreements

Encourage labor unions and business units to sign collective bargaining agreements, establishing good communication channels and mechanisms to stabilize labor relations.

Subsidize labor unions to handle courses

Subsidize labor unions to handle labor law studies related courses, improve labor rights knowledge, and strengthen labor union negotiation capabilities and negotiation skills.

Handle counseling measures for business units to enter the factory

In order to avoid the occurrence of a large number of dismissal of workers from business units, in conjunction with the labor union, Taoyuan City handles the counseling measures for business units to enter the factory, provides labor laws and employment information for both labor and management, assists the dispatched employees in subsequent employment transfers, and protects labor rights and related rights.

8.15 Labor supervision and inspection

In order to allow workers to have a safe and secure employment environment and protect their rights and interests, Taoyuan City has adopted labor supervision and inspections to reduce the proportion of illegal labor conditions for migrant workers, women, and workers in high-risk occupations, and formulated disaster reduction strategies to reduce risks. Through the labor supervision and inspection plan, occupational disasters were effectively reduced. In 2019, the number of deaths from occupational disasters fell by **23.8%**. In 2020, **5,845** labor supervision and inspections will continue, and occupational safety and health promotion and observation activities will be conducted, to improve and create a zero occupational accident working environment in multiple ways.

8.16 Labor retirement reserve fund audit program

In order to protect the rights and interests of labor pensions and the economic security of the elderly, Taoyuan City urges and counsels all business units to handle monthly and full allocations of labor retirement reserve fund, handles special labor retirement reserves fund accounts, and coordinates labor disputes. **In 2019, the full allocation rate of labor retirement reserves reached 99.63%.**



Sustainable tourism

Taoyuan City makes full use of the characteristics of natural and human resources, takes wisdom, low carbon, and ecology as the driving direction, and guides industrial upgrading and transformation, so that the tourism industry can develop sustainably, promote local culture and production, and create employment opportunities.

8.17 Smart tourism

Launch smart tourism services

Taoyuan City uses smart tourism services to promote tourism, connect "navigation, tourist guide, guided tour, shopping guide" in series, letting tourists grasp information about travel, transportation and consumption in real time.

Analyze tourist preferences to promote tourism

Promote tribal and indigenous culture through multilingual services, tourism database, itinerary and regional promotion, passenger preference collection and data analysis, interactive experience, industrial integration, mobile commerce and smart guides, etc., to strengthen the local characteristics and travel style of the Fuxing District.

Cooperate with local shops

As of September 3, 2020, the Taoyuan Smart Tour APP has a total of 638 shops and 302 hotels. It has been promoted through multiple channels such as navigation machines and communities. In addition to increasing the shop's online exposure, visitors can also quickly check the rich shop information.

8.18 Low-Carbon tourism

Taiwan Tourist Shuttle

There are **four** "Taiwan Tourist Shuttle" bus routes in Taoyuan City, including: Daxi Express Line, Xiaowulai Line, Shimen Reservoir Line and Dongyan Mountain Line which provide passengers with transportation services to the highly-known attractions in Taoyuan, promote the sustainable development of the tourism industry, and play an important role in low-carbon tourism.

Shimen Reservoir Low-Carbon Tourism Demonstration Zone

Taoyuan City has built Shimen Reservoir and Xizhou Tourism Service Park into green energy, low-carbon, and sustainable demonstration parks. Through the introduction of electric vehicles, people of all ages are encouraged and guided to take low-carbon public transportation to engage in sightseeing activities and reduce the impact of sightseeing activities, promoting local economic development.

1.Promotes diversified tourism mode

Promotes diversified tourism modes such as sports, cultural creativity, ecology, smart, and green energy to improve the level of tourism services and the planning concept of convenience for tourists.

2.Provide sports tourism information

In the future, with the Shimen Reservoir Xizhou Tourist Service Area as a new starting point for tourism, the Tourist Service Center will provide physical condition analysis equipment so that the public can obtain physical health status, and provide hiking, running, cycling and other sports options through the "Shimen Reservoir Sport" APP, as well as information on nearby food attractions. People can experience a healthy trip to Shimen Reservoir.

Low-carbon hotel

In order to promote low-carbon tourism, Taoyuan City encourages hotel operators to implement energy saving and carbon reduction, obtain environmental hotel certification, encourage tourists to bring their own toiletries, reduce the use of disposable equipment, and achieve the goal of waste reduction. **As of the end of July 2020, there were 57 eco hotels in Taoyuan City, and the public responded to the waste reduction of their own supplies by about 1.47 metric tons per year.**

8.19 Ecotourism

Houhu Creek hydrophilic ecological experience in Xinwu District

Located in the Houhu Creek in the coastal recreation area on the northern shore of Yong'an, there are characteristic plants such as water penny, casuarina, saddle vine, sea scallion, etc. growing along the creek. It has rich natural ecology and beautiful scenery of windbreak forests. Visitors can take a low-carbon, motorless canoe to understand the ecology and natural resources through ecological explanations. In the future, we will set up water viewing platforms, outdoor parent-child play areas, lakeside coffee houses and other leisure service facilities to allow more people to appreciate the ecological beauty of Houhu Creek.

Houcihu night ecological observation

Fireflies are at their most active period in April and May each year. The entire virgin forest and natural ecology of Houcihu has not been damaged by a large amount, so it is very suitable as a night ecological observation site. Taoyuan City organizes night-time visit activities to Houcihu, with expert guided commentary, ecological observation and experience, the public will know more about and love fireflies, and know more about how to cherish the environment, cherish water resources, and understand the importance of ecological conservation.



8.20 Leisure Agriculture Counselling Program

Leisure agriculture area

Leisure agriculture is a new bright spot for traditional agriculture to enhance the added value of agriculture. Taoyuan City has already passed the demarcation of **nine** leisure agriculture areas, including: LotusPark Leisure Agriculture Area in Guanyin District, YaMay Leisure Agriculture Area in Daxi District, DaBeKen Leisure Agriculture Area in Longtan District, Dagumountain Leisure Agriculture Area in Luzhu District, KengZiXi Leisure Agriculture Area in Luzhu District, XiHei Leisure Agriculture Area in Dayuan District, YangMei Leisure Agriculture Area in Yangmei District, , TaiQiTaoHuaYuan Leisure Agriculture Area in Fuxing District, Kangzhuang Leisure Agriculture Area in Daxi district. In addition, there are still plans for leisure agricultural areas such as Xiucai in Yangmei District, Expo in Xinwu District, Baiji in Daxi District, Dashimen in Longtan District, Zhongzhuang in Daxi District, Zhongli in Zhongli District, etc.

Handle diversified agricultural tourism itineraries

Taoyuan City uses flowers and festivals to create the characteristics of each leisure agricultural area, to attract crowds, and also launches diversified agricultural tourism itineraries to promote leisure agriculture and local development. The 2018 Taoyuan Color Alocasia Season was certified by SGS "ISO20121 Activity Sustainability Management System", which is the first successful case in Taiwan that passed the organizational sustainability management certification.

8.21 Tourism fishing harbor

Zhuwei Fishing Harbor and Yongan Fishing Harbor have been transformed into tourism fishing harbors. In order to promote fishing port tourism and the sustainable development of tourism in the coastal areas of Taoyuan, the City promotes the construction of fishing ports, creates green ports and sightseeing highlights, and promotes local economic development.

Zhuwei Fishing Harbor

The fishing boat racking yard can be used for maintenance of 422 fishing boats in the port area to ensure the safety of fishermen's operations. Fishing boat repairs and catch racking are all powered by electricity, which can reduce carbon emissions and environmental pollution; and promote the overall landscape planning,

afforestation and landscape greening of the northern shore of the fishing port. The beautification and ocean imagery film canopy, roads, parking lots and other infrastructures enhance the leisure space and tourism value.

Yongan Fishing Harbor

Through the repair and construction of the fishery direct sales center, the southern fishermen activity center, the sea view bridge, the parking lot and public facilities, it has become a tourist attraction for people's leisure travel. The region combines the direct sale of fishery products in the fishing market and various festivals such as Taoyuan Marine Hakka Culture Festival, and combines with the surrounding sightseeing spots and local industrial culture in the coastal area to improve the local economy.

8.22 Counseling tourism factories and revitalizing traditional markets and night markets

Taoyuan City has the largest number of tourism factories in Taiwan. There are 18 tourism factories and 10 industry culture museums, providing people with different leisure experiences. It also promotes the Bazaar Star Plan and provide guidance and marketing for traditional bazaars, such as establishing sustainable management measures, unifying the image of the bazaar, improving public facilities and e-marketing, etc., so that the bazaar can keep pace with the times.

8.23 B&B (bed and breakfast) counseling

Taoyuan City guides the development of local cultural characteristics of B&B, provides passengers with a profound local experience, and pioneered the B&B Administrator School to encourage more innovative B&B operators and young people to return to their hometowns, to improve the quality and quantity of B&B in an all-around way, and to promote local economic development. The City increased the number of B&Bs through different methods such as designing recreational agricultural areas, publicizing areas with cultural or historical features, designating historical buildings, counseling tribal homestays, and identifying old legal buildings.

Promote local culture and production

8.24 Daxi Co-learning and Creative Partners Business Plan

Daxi Wood Art Ecomuseum

In order to preserve the cultural and wooden characteristics of Daxi, and promote the sustainable development of Daxi culture, Taoyuan City uses the Daxi Wood Art Ecomuseum as a medium to organize local cultural and historical materials, open training courses, market management, and diversified operations, to let young generations understand the local culture.

Shape the shared learning partnership

The museum also cooperates with the community to allow local seniors or woodworkers who are familiar with the local culture of Daxi to enter the school to teach, so that young students have the opportunity to deeply understand the local culture, and shape the shared learning partnership of museums, communities, and schools.

Support local stores to build Daxi brand

It also supports local stores to create characteristic products based on Daxi culture, deepen the characteristics and differences of local products, and build Daxi brands.

8.25 Create Fuxing hot spring township

Construction of Xiao Wulai Visitor Center

Upholding the spirit of respecting the cultural assets of the indigenous people and admiring nature, Taoyuan City has built Xiao Wulai Visitor Center and civic activity center that symbolizes a "better harvest". The works of local artists tell visitors the story of the Atayal tribe, showing the optimism, enthusiasm, and heroism of the indigenous people.

Drive sightseeing with Atayal Story Park

With Atayal Story Park as the core of promoting the development of hot spring tourism, the plan is to set up public hot spring related facilities, and integrate existing hot spring foot baths and other areas to create new hot spring highlights and promote the sustainable development of the tourism industry in Fuxing District.

Handles hot spring area management plan and investment planning

In order to sustainably develop hot spring tourism and create local employment, Taoyuan City handles Xiaowulai Designated Scenic Area Hot Spring Area Management Plan and investment planning, with local residents serving as hot spring facility management and maintenance staff, and planning hot spring markets, providing a platform for local art exchanges, and promoting local culture. Through the construction of hot springs, economic development and cultural promotion, the City will increase local job opportunities and bring young people back to the local area.

8.26 Southern Fujian culture

Provide traditional art and literature team performance platform

In order to promote the development of Southern Fujian culture, Taoyuan City integrates local resources, organizes the Southern Fujian Cultural Festival, traditional art tours and other activities, and provides a platform for traditional arts and literature teams.

Handle activities to promote Southern Fujian culture

Taoyuan City promotes the development of Southern Fujian cuisine, such as organizing the master shop master contest, enhancing the heritage of cultural industries, leading the new trend of Southern Fujian culture in Taoyuan, letting more people understand the characteristics of traditional Southern Fujian culture. It also promotes sustainable tourism, creating traditional cultural industries, promoting culture and products, and promoting the unlimited possibilities of the Southern Fujian cultural industry.



8.27 Military dependents' village culture

Keep the historical buildings of military dependents' villages

Military dependents' village culture is one of Taoyuan's characteristic cultures. In order to ensure the continuous inheritance of military dependents' village culture and achieve the purpose of ethnic harmony, Taoyuan City retains historical buildings such as the military dependents' village story hall, and builds Taoyuan based on the military dependents' village and local cultural context. The unique military dependents' village culture presents multi-faceted cultural connotations and links cultural and creative resources to provide a variety of artistic creation, performance and exchange spaces.

Taoyuan Arts Cinema

Integrating with the movie theater "Taoyuan Arts Cinema" that has officially operated since 2016, it is an important site for the creation, shooting and broadcasting of film and television in Taoyuan City. It explores the local historical context and era background, retrieves the memory of the place, condenses the consensus of the local residents, and opens up the military Imagine the regeneration of the village.

Military Dependents' Village Cultural Festival

Taoyuan Military Dependents' Village Cultural Festival is also held every year, so that people can get close to the military dependents' village culture.

8.28 Indigenous Culture

Tayniho

Taoyuan City revitalizes unused land behind the Indigenous Cultural Center, setting up "Tayniho", presenting the unique cultural traditions of the indigenous people, and using the five-sense experience to design a sense of quality that is connected with life experience, deepening the impressions and experience of tourists.

Indigenous Joint Harvest Festivals

Indigenous Joint Harvest Festivals are held every year, including traditional indigenous folk songs, dances and cultural ceremonies, indigenous specialties, handicrafts, agricultural special exhibitions, etc., which can achieve cultural inheritance and allow indigenous people to learn, communicate and share with each other. **About 12,000 people participate each year.**

Tribal Landscape Travellight Project

Linking tribes with special agricultural industries in the land, and coordinating the promotion of themed tours to attract more tourists to experience the culture. Developing the experience economy and driving the tourism industry, with a view to the sustainable operation of the tribal industry and the development of tribal economic benefits.

8.29 Hakka Culture

Hakka Village Environment Creation Project

Taoyuan City has a Hakka population of 900,000. Based on the cultural, geographical and historical environment of the Hakka villages, the three Hakka living circles are the theme used to build the overall Hakka living environment, and from the five aspects of "humanity, culture, land, production and scenery", the city will start to inject relevant resources to boost the development of local cultural industries and the tourism environment, attract young people to return to their hometowns, and recreate new life in the guest village.



Hakka near the mountains: Daxi, Longtan, Yangmei

As the starting point of the Taisan Line, Taoyuan is rich in tea culture, Hakka literature and music.

1.Taiwan Hakka Tea Culture Hall

Located at the highest point of the Taiwan Route Three of Longtan Tongluo Circle, the overall planning of the park takes the tea industry and Hakka culture as the main axis, integrating geographical environmental advantages and humanistic industries, hoping to improve the overall environmental quality of the region, and drive the surrounding industrial economy and crowds.

2.Organize special activities in combination with leisure agricultural areas

The Lupinus Season in February and the Tong Blossom Season from April to May every year attract flower-viewing crowds. Taoyuan City combines the surrounding leisure and agricultural areas to promote special trips and farming experiences, promote the tourism industry near the mountain guest house, increase employment, and attract young people to return home for sustainable development. **In 2019, the Lupinus Season attracted about 270,000 participants, and the Tong Blossom Season attracted about 500,000 participants.**



3.Taoyuan City Hakka Culture Center

Taoyuan City Hakka Culture Center organizes innovative Hakka art and cultural activities on weekends, combining local small farmers, cultural and creative businesses to enrich the content of the activities and improve the quality of services. In addition, Taoyuan City has a number of iconic Hakka music publishers and numerous music talents. In order to encourage people to learn Hakka language through singing, cultivate talents in performing arts, and preserve Hakka's unique folk song culture, Taoyuan City organizes Hakka Music Festival, which includes music competitions. As well as large-scale performances and concerts, the city provides a platform for performing arts talent exchanges and activates the development of the Hakka music industry. About **1,000 people** participate each year.

4.Zhong Zhaozheng's Literary Life Park

Taoyuan City creates cultural highlights through the operation of Zhong Zhaozheng's Literary Life Park, the publication of Zhong Zhaozheng's complete works of literature and the setting of literary landscapes. Connecting the existing commercial districts in the surrounding area, improving the pavement of the blocks and the index system, promoting the development of local tourism, and attracting young people to return to their hometowns for employment.

5.Longtan Shengji Send Shengji Festival

In order to inherit the traditional Hakka culture of respecting characters and cherishing paper, it demonstrates the Hakka people's spirit of importance of education and the inheritance of knowledge. The Send Shengji Festival is held at the world's largest character-respecting pavilion "Longtan Shengji Pavilion", with approximately **1,000 people** participating each year.

Metropolitan Hakka: Zhongli, Pingzhen

1.1895 Memorial Park and 1895 Battle Cultural Festival

Taoyuan City plans to build the 1895 Memorial Park, which will set up commemorative images such as a land-ring bridge, a memorial wall, and a memorial pool, combined with surrounding parks, to give Hakka cultural spiritual landscape images. The 1895 Battle Cultural Festival is to commemorate the volunteers who bravely guarded their homeland at the 1895 Battle, hoping to arouse the people's spirit of defending their homes, using cultural assets, creating local characteristics, and enhancing tourism efficiency.



2.Organize religious activities

Taoyuan City has the highest number of temples enshrining the Three Divine Officials in Taiwan. In order to strengthen the people's spirit of respecting the natural resources such as heaven, earth, water and environmental sustainability, the Sanjieye Cultural Festival is held, attracting approximately 10,000 people every year. In order to commemorate the ancestors who defended their homeland and sacrificed themselves heroically during the civil turmoil and war in the early years, the Taoyuan Hakka Yimin Festival was held on July 20th in the lunar calendar, attracting approximately **45,000 people** to participate each year.

Hakka near the sea: Dayuan, Guanyin, Xinwu

1.Yongan Conch Cultural Experience Park

It is located on the north side of the Yongan Fishing Harbor plaza. The park combines the surrounding sand dune environmental ecological landscape, Youth Adventure Camps, Hakka settlements, temple festivals, cultural activities and related industries, etc. The Yongan Conch Cultural Experience Park shape the life, production, and ecological characteristics of the coastal "Marine Hakka" area, combined with the marine Hakka industrial axis, promoting the characteristics of Taoyuan marine Hakka, and driving the tourism industry.

2.Taoyuan Marine Hakka Culture Festival

The Taoyuan Marine Hakka Culture Festival is one of the 12 major festivals in Taiwan's Hakka Village, including workshops such as stone building, fishing net weaving, as well as cultural relics and art exhibitions. It also combines the surrounding leisure agricultural areas to promote special trips and agricultural (fishing) experience. Through the Haike Culture and Art Season, it can promote the tourism industry of Binhai Hakka Village, increase employment, and attract young people to return to their hometowns. It attracted about **3,000 people** to participate each year.

3.Lunping Cultural Landscape Park

It promotes the development and inheritance of Taoyuan Hakka craftsmanship through workshop experience and life craft learning. At the same time, it connects the surrounding Hakka village bases and fuels the vitality and enthusiasm of the community through curatorial activities, and encourages people to get closer, experience and love Hakka craft.



8.30 Local festivals

Host local characteristic experience activities

Taoyuan City has different ethnic groups. In order to carry forward and preserve a variety of diverse cultures, promote the characteristics of local tourism and sustainable development of the tourism industry, the city hosts activities with local characteristics, such as Daxi Dried Tofu Festival, Longgang Rice Noodle Festival, Shimen Reservoir Hot Air Balloon Carnival, Shimen Live Fish Festival, and Taoyuan International Kite Festival. The city also organizes activities, such as Beiheng Adventure Festival, Hot Spring Food Carnival, Jiaoban Mountain Plum Blossom Season and Beiheng Cherry Blossom Season in indigenous areas. Inviting local shops to participate to sell local agricultural products and indigenous products, promoting surrounding food and tourist attractions, and combining media marketing to attract tourists, providing local people with employment opportunities, and promoting local tourism and economic development.

1. Longgang Rice Noodle Festival

In the Golden Triangle of Zhongli, Pingzhen, and Bade intersection, it has unique Yunnan culture. The Longgang area is a Yunnan food settlement, famous for its special snacks "Rice Noodle". The annual food festivals provide local food and cultural experience.

2. Beiheng Adventure Festival

Beiheng has rich natural ecological and historical and cultural resources. The Beiheng Adventure Festival is held every year, combining outdoor adventure and related themes to continuously deepen the Beiheng adventure style.

3. Hakka culture

Visits old streets and Taoyuan Hakka Cultural Center to experience Hakka culture.

4. Indigenous culture

Visits Luofu Atayal tribes to experience Atayal tribal culture, Fuxing mountain secrets, tribal cultural guided tours and DIY indigenous food, etc., with various features and seasonal plans theme tour.

5. Land Art Festival

The Taoyuan Landscape Art Festival is held in different areas of Taoyuan every year to promote the revitalization of different areas, highlight the special landscape of Taoyuan City through artistic creation, and let the public rediscover the land and environment from a new perspective through rich and diverse art performance to reach sustainable development goals.



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

Taoyuan City has complete and resilient infrastructure and high-quality industrial parks, attracting enterprises to develop in Taoyuan. The annual industrial output value is about 3 trillion NTD. The convenient transportation system allows the flow of people and logistics to remain unimpeded. The stormwater sewer system and flood detention facilities prevent floods and reduce losses caused by floods. The city is committed to promoting Industry 4.0 and the ICT industry, and improving energy efficiency, in order to take into account the sustainable development of the environment while developing the economy.

Infrastructure

9.1 Stormwater sewer Construction

In order to cope with global climate change and improve the drainage bottleneck and capacity problems in the urban planning areas of the city, Taoyuan City has accelerated the construction of stormwater sewers and flood detention facilities in recent years. The planned total length of stormwater sewer is about **530.62 kilometers**. The current implementation rate of stormwater sewers has reached **75.5%**, and the goal is to build 3 kilometers per year.

9.2 Road-smoothing project

Road leveling in accordance with international standards

Taoyuan City emphasizes great importance to road quality, materials and construction methods, and uses international indicators as the standard to measure road surface smoothness. Between 2015 and 2019, **217** smoothed roads with an area of approximately **nine million square meters** were completed. **The road IRI (International Roughness Index) has been optimized from an average of 4.85 to below 4**, which greatly improves driving comfort. In addition, 26 roads in nine industrial areas were improved to increase the road quality and road safety in industrial areas.

Use recycled materials for road construction

Road construction introduces the concept of circular economy and uses recycled pellets. Through the two-pronged approach of "reduction at source" and "waste recycling", it promotes resource recycling and reduces carbon emissions. **The use of recycled materials increased from 150 metric tons in 2017 to 6,310 metric tons in 2019, reducing approximately 39,374 kg of carbon dioxide emissions.**

9.3 Open the Bottleneck Path Plan

In order to solve the problems of urban transportation and disaster prevention caused by road bottlenecks and unpaved urban planned roads, Taoyuan City promotes the "Open the Bottleneck Path Plan". In addition to policy planning, the public can also request the city to carry out relevant evaluation and project implementation.

Implementation effectiveness

As of April 2020, **84 roads** had been widened and improved. In addition, 15 of them are under construction, 58 of which are under planning and design, so that people do not need to make detours, reducing travel time cost and travel distance, and achieving the effect of energy saving and carbon reduction. And enhancing the fire-fighting and disaster relief function to protect the safety of people's lives and property.

9.4 Construction of passenger terminal

With the steady development of the bus road network, the utilization rate of public transportation in Taoyuan City is increasing. In order to avoid national highway passenger transport entering the urban area and worsening the urban road traffic load, Taoyuan City has built six major passenger transport stations. The transfer station is assisted by a connection system to encourage the public to use the public transportation system, provide high-quality bus transfer services and a waiting environment, and effectively improve traffic congestion. At present, the A21 transfer station and the Jingguo transfer station have been opened. Taoyuan Changgeng, Daxi Puding, Longtan, Bade and other transfer stations continue to be planned and developed.

9.5 Build parking lot

Off-street parking towers

In order to encourage people to take public transportation, Taoyuan City evaluates the location of parking spaces and builds off-street parking towers by adjoining public transportation stations, areas that attract large numbers of sightseeing and recreational trips, densely populated commercial areas, and areas around administrative agencies. **24 towers** have been completed.

Improve parking efficiency and quality

The plan is to improve the usage efficiency and service quality of parking lots through smart, green energy, barrier-free environment, gender-friendly design techniques, to solve parking problems in urban areas and tourist areas, and promote the development of local public transportation.

9.6 Traffic construction in rural areas

Planning Three-core and Six-track public transportation

In order to allow everyone to have affordable and highly accessible means of transportation, the transportation construction plan of Taoyuan City takes the public transportation orientation as its main axis, and greatly improves the transportation accessibility in all areas of Taoyuan City.

Build a bridge for rural residents

In order to solve the long-standing problem of roadless traffic for rural residents, it is planned to build river-crossing bridges and tribal bridges to provide the normal and disaster prevention transportation needs of the Fuxing District. It is expected to be completed in 2021-2022.

Build Baling Gas Station

It is also planned to build a gas station to provide oil supply bases for disaster relief in mountainous areas. It is expected to be completed by the end of 2021 to improve the convenience of residents and tourists to refuel and promote the development of tourism of the back mountains in the Fuxing District.



Sustainable industrial environment

9.7 Industrial land planning and development

Overall planning of industrial land

According to the "Taoyuan City Spatial Plan (Draft)", according to the "Taoyuan City Spatial Plan (Draft)", the industrial area of Taoyuan City's new industrial area is estimated to be about **973 hectares** in 2036.

1.Reserve industrial reserve land

In order to ensure the future industrial development hinterland and guide the management of unregistered factories, Taoyuan City checked the suitability of land, excluded environmentally sensitive areas, reserved industrial reserve land, and promoted local economic development and stable employment of residents while taking environmental sustainability into consideration.

2.Planning industrial park

The planned industrial park includes 5 science and technology parks and the Yangmei Smart Logistics Industry Zone, covering a total area of approximately **152 hectares**.

3.Revitalize industrial land

In addition, through the renewal and three-dimensionalization of industrial areas and the release of idle land, the existing industrial land will be revitalized.

Developing Industrial Park

1.Shalun Industrial Park

In response to the national energy policy, Shalun Industrial Park plans to install a solar power generation system with smart energy storage solutions. The park has planned a dedicated sewage treatment plant and other comprehensive and resilient infrastructure that is not affected by external influences, and has installed innovative equipment such as solar power generation and smart park management systems to create an ecologically inclusive and sustainable industrial environment.

It is estimated that **1,000 employment opportunities** will be introduced by 2030 and an **output value of 1 billion** will be created. The park combines with the neighboring industrial clusters such as Dayuan Industrial Zone, Guanyin Industrial Zone, Taoyuan Science and

Technology Industrial Park, etc., to improve the function of supply chain resource integration and promote the clustering effect of regional logistics industry. The Shalun Industrial Park completed the cadastral arrangement by the end of March 2020, the site preparation, the construction of the side ditch and the bidding operations in December 2020, and the completion of the development in November 2021. After the development is completed, **17.01 hectares** of industrial land will be provided.

2.Taoyuan Science and Technology Industrial Park

The second phase of the Taoyuan Science and Technology Industrial Park will introduce green building indicators for environmental protection, green energy, and energy saving, provide comprehensive public facilities, create an environmentally friendly, ecologically inclusive, and sustainable integrated industrial zone, and promote innovative green economy goals that meet the green building indicators. It is expected that the land acquisition will be completed in December 2020 and the development will be completed in December 2023. The completion of the development can provide **34.60 hectares of industrial land** and create **7,000 employment opportunities**.

3.Land specification

When disposing of industrial land in Shalun Industrial Park and Taoyuan Science and Technology Industrial Park Phase II, in order to avoid idle industrial land, the rentandsell model is adopted, and the industrial land is first leased to the winning bidders and registered in advance. After the successful bidder obtains the use license and completes the use, the land can be transferred. In addition, in order to prevent land speculation, it is stipulated that the successful bidder shall not transfer the land within a certain period of time after purchasing the land, otherwise it will be bought back by the Taoyuan City Government at the original price. It is hoped that through the development of industrial zones, the industrial zones can be introduced into areas with relatively backward economic development in the past to increase local employment opportunities.

Green factory

In terms of factory management, through the factory greening counseling group and low-carbon technology industry subsidies and incentive programs, the greening of factories is promoted, and manufacturers are subsidized to carry out energy-saving improvement projects. **The annual carbon reduction is 2,385 metric tons and the amount of gas saved is 240,000 cubic meters, saving electricity up to 3.4 million kWh.** From 2018 to 2019, a total of 208 boilers were subsidized to complete the replacement, and the annual carbon reduction was about **21,647 metric tons.**

For unregistered factories, the strategy of "comprehensive management, on-site counseling, and legal operation" is adopted to achieve a balance between environmental protection, economic development, and labor employment. In the future, it is planned to build a pipeline installation system for specific factories and increase multiple application channels.

9.8 Promote ecological logistics

Established the Eco Logistics Project Office

Taoyuan City is the largest logistics settlement in Taiwan. In order to reduce the impact of the logistics industry on the environment and traffic, Taoyuan City has used smart technology in recent years to actively develop a people-oriented sustainable logistics industry. In 2019, the city became the first Chair City of the Ecological Logistics Community. In 2020, the "Eco Logistics Project Office" will be established (Goal 17).

Planning Postal Logistics Park and Cross-border Logistics Operation Center

Chunghwa Post Co., Ltd. plans to set up a postal logistics park and a cross-border logistics operation center next to the airport MRT A7 National Taiwan Sport University Station, covering an area of about 17.14 hectares, and plans to build a postal logistics center, mail operation center, and postal information center. The center combines e-commerce and logistics development to become a base to provide more new ventures to enter. The park will use renewable energies such as wind and solar energy, combined with smart energy management and smart sensing, to create green buildings and smart buildings, connect the flood ponds through the post image park, and take into account ecological conservation and green economy.

9.9 Industry 4.0

Integrates industrial technology

Taoyuan City promotes Industry 4.0, integrates existing industrial technology, sales and product experience, uses artificial intelligence technology to build smart factories with adaptability, resource efficiency and human factors engineering, and integrates customers and business partners to provide comprehensive after-sales service.

Professional coaching team

Through the invitation and selection of operation management consultants, academic teams and industry experts with intelligent Internet of Things (IoT) coaching and construction capabilities, a professional coaching team is formed to help companies that want to transform into Industry 4.0 to diagnose and upgrade their smart capabilities.

9.10 Autonomous vehicle virtual field platform integration test plan

Set up autonomous vehicle test platform

Taoyuan City has a complete supply chain for automotive components and electronics-related industries, and actively assists manufacturers in integrating software and hardware related parts to self-driving cars. An autonomous vehicle test platform has been set up at the Hutou Mountain Innovation Base to provide test sites and high-precision graphics.

Integrate digital technology to develop autonomous vehicle

Taoyuan City has accumulated experience in autonomous vehicle technology in a closed test field. In the future, it will combine smart street lights, smart signs, smart monitoring facilities, and use high-resolution digital maps of the entire district to attract new companies related to the autonomous vehicle industry. The Hutou Mountain Innovation Base is dedicated to the research and development, production and operation of autonomous vehicle.

9.11 ICT industry coaching

In 2017, the output value of Taoyuan's ICT-related electronic components industry, computer electronic products and optical products industry totaled 950.8 billion NTD, the highest in Taiwan, accounting for about 33% of Taoyuan's output value.

Purchase smart machinery or 5G to deduct profit-seeking enterprise income tax

In order to encourage the purchase of smart machinery or 5G, a certain amount will be reached from 2019 to 2022. According to the "Industry Innovation Regulations", the current deduction rate of 5% or the deduction rate of 3% within 3 years can be used to deduct the tax paid.

Established Hutou Mountain Information Security IoT Center

Taoyuan City established Hutou Mountain Information Security IoT Center to provide IoT demonstration platform services, including information security testing, counseling, and new ventures entering the field, and coaching local IoT component producers to pass information security verification and ISO27001 information security management system.

Provide multiple subsidies for enterprises

Through the "Taoyuan Industrial Development Autonomous Regulations", subsidies such as land tax, housing tax, rent of premises, employee salaries, and labor vocational training expenses are provided.



9.12 Internet popularization

In response to the popularization of mobile devices, Taoyuan City has built a friendly digital environment to provide people with free wireless internet access in indoor and outdoor places.

Small Cell

At the same time, 4G/5G network-based IoT planning is planned for Small Cell, plus 900+1800MHz 4G dual-band, to provide citizens with better broadband services.

Free Wi-Fi hotspot

As of 2019, Taoyuan City provided a total of **892** free wireless Internet hotspots, which were mainly distributed in public transportation nodes, cultural and educational places, public places, tourist attractions, night markets, parks and business districts.

Access Point

A number of outdoor high-performance wireless hotspots (Access Point, AP) are also provided in Taoyuan Railway Station Square and Zhongli Railway Station Square, etc., with a total of **29 hotspots in four hot zones, and wireless network coverage rate of junior high and elementary schools reaches 100%.**

Free Wi-Fi at the MRT station

In addition, considering that the MRT station is an important area for the flow of people, free Wi-Fi will be established at the MRT station during the construction of the MRT Green Line. With the intervention of ICT, IoT, and AI intelligent technologies, Taoyuan City can move towards the vision of the 5G era and a smart city.

Implementation effectiveness

In 2017, the Internet usage rate of Taoyuan City citizens was 87.1%, ranked 2nd in Taiwan; the wireless Internet rate was 85.1%, ranked 3rd in Taiwan.



Reduce inequality within and among countries.

Taoyuan City's international net migration rate is 0.66%, ranking third in Taiwan, and the foreign population accounts for about 6% of the total population. Taoyuan City is committed to creating an inclusive society and assisting foreigners to integrate into local life. While assisting the migrant population, it also pays attention to the equal rights of indigenous peoples and rural areas, reducing inequality and promoting the balanced development of urban and rural areas through cultural access rights and media access rights.

Ethnic integration

10.1 New Immigrants Joint Service Center

In order to strengthen care services for new immigrants, Taoyuan City established the New Immigrants Joint Service Center in 2017 to provide consultation services for new immigrants. The center provides comprehensive and diverse services including naturalization counseling, social welfare, health care, training and employment, education and learning according to the life stages of new immigrants from marriage to Taiwan to adaptation to local life.

The main goal is "Friendly respect, diversified services, protection of rights and empowerment development", implementing measures to promote new immigrants' care services, combining the strengths of the public and private sectors, respecting multiculturalism, valuing the human rights of new immigrants, and better implementing new immigrants' care services. And actively demonstrating the multicultural charm of the new immigrants, and building Taoyuan City into an international friendly city with multicultural coexistence and common prosperity.

10.2 Promote leisure and recreational activities for migrant workers

Organize leisure activities for migrant workers

The number of migrant workers in Taoyuan City is about 110,000, which is the largest in Taiwan. To affirm the contribution of migrant workers to the development of Taoyuan City's industry and stimulate social care for migrant workers, the City also emphasizes importance to the leisure and entertainment of migrant workers and hopes to promote friendly exchanges. The city organizes a series of leisure activities exclusively for migrant workers, such as talent competitions, sports and fun competitions.

Participatory budget

Taoyuan City plans a participatory budget method from migrant proposals and votes to create a friendly living and working environment for migrant workers. Taoyuan City's "Participatory Budget for Leisure and Recreation Activities for Migrant Workers in Southeast Asia" won the "Citizen Participation Best Practice Award" from the International Observatory on Participatory Democracy in 2018 (goal 16).



10.3 Indigenous Cultural Festival

The indigenous cultural festival

Taoyuan City can experience and deeply root and revitalize the traditional culture of the indigenous people through the cultural tour of the indigenous people, connect the feelings of the indigenous people, and promote the culture and history of the indigenous people.

The indigenous age rituals

The 16 ethnic groups are also able to display the different cultural characteristics of each ethnic group through the indigenous age rituals, and provide funding and technical support to assist the elderly and the ethnic people of each ethnic group to independently plan the content and schedule of the festival. The plan is to return the leadership of the festival to the tribes, and provide transportation subsidies to encourage the indigenous to return to their tribes to participate in the festivals.



10.4 Indigenous Name Rectification Day

August 1st is the Day of Indigenous People, which not only commemorates the process of rectifying the names of indigenous people, but is also an important symbol of their status as the subject of rights in domestic and international law. Taoyuan City reviewed and looked forward to the spiritual meaning of the indigenous movement through a series of activities on the anniversary of the rectification of names, linking the national sentiments of the indigenous people, encouraging the indigenous people to restore their traditional names and reconnect with their original culture.

10.5 Indigenous people insured with group accident insurance

Indigenous people in Taoyuan City account for the majority of grassroots workers engaged in construction and manufacturing, and the probability of accidental injury or death is quite high. In addition to this, accidental death is one of the top four causes of death for indigenous peoples. In order to provide basic personal safety guarantees for economically disadvantaged indigenous peoples, to fill the gap in government social insurance or social assistance mechanisms, prevent the economically disadvantaged indigenous families from being affected by accidents, Taoyuan City provides accident insurance coverage for groups of indigenous people who are registered in Taoyuan City and are over 15 years old. People do not need to go through insurance procedures or pay premiums in advance. If you die or become disabled due to an accident, you can apply for compensation to the Taoyuan City Government. Those who meet the eligibility criteria after the insurance company's review can receive up to 300,000 NTD in compensation.

Religious rights

10.6 Counseling religious groups for land declaration and property protection

The ancestors of Taiwan crossed the sea to Taiwan and built many temples, and many believers donated property or land to the temples. However, for the land that should be registered under the temple's name, due to many factors, there are often situations where the name of the land registration is different from the name of the temple registration, which prevents the temple from claiming land ownership. In order to reduce land with unknown ownership, Taoyuan City counseled and assisted religious groups in renaming, returning land with unknown ownership to temples. Until now, it has assisted in completing about 124 lands under the names of temples to protect the rights and interests of religious groups.

10.7 Preserve and continue religious beliefs and assist in renting land

Tudigong is the most common belief among the people in Taiwan. The people respect Tudigong as the local guardian deity, which makes Tudigong Temples common everywhere. There are about 600 Tudigong Temples in Taoyuan City, but only a few have completed the registration. If the Tudigong Temple is located on public land, the land will be expropriated due to government policies such as rezoning, park development or other factors, making Tudigong Temple face demolition and survival issues.

Announced the Temple Use Municipal Land Disposal Directions

Taoyuan City issued a decree in 2016 to assist Tudigong Temple in renting land from public land management agencies in order to maintain the continuation of local beliefs. The City has assisted **18** temples and has been conducting in-depth investigations since 2019.

Access to the culture

10.8 Taoyuan Art Tour

In order to implement the concepts of "cultural equal rights" and "cultural access rights", Taoyuan City has undertaken an art tour plan for nearly seven years, inviting performing arts teams to perform in various districts, including diverse performances such as music, modern drama, traditional drama, and dance. Activities can attract citizens to step out of their homes and enjoy the traditional and modern performing arts programs in the neighborhood of their homes, reducing the cultural resource gap in Taoyuan City. It also echoes the quality education and lifelong learning of Goal 4, and achieves the vision of appreciating cultural differences, promoting the rooting of art education, and deepening the sustainable development of culture.

10.9 Promote multicultural development

Established the Taoyuan Regional Resource Center

In order to show the characteristics of the diverse ethnic groups in Taoyuan City, Taoyuan City Library established the "Taoyuan Regional Resource Center", which features "multicultural" collections, and collects books in Southeast Asian languages such as Vietnamese, Bahasa Indonesia, Thai, Burmese, Bahasa Melayu, and Khmer. The contents of the books include Literature, fiction, medicine, psychology, education, etc. In addition to allowing new immigrants and migrant workers to read the books of their hometown, they can relieve the pain of homesickness, absorb new knowledge, and gain a sense of joy and achievement in learning.

Organize multicultural book fairs and lectures

Every year, it also organizes multicultural themed book fairs and series of lectures to promote the development of multicultural exchanges and enhance understanding among different ethnic groups.

Set up multiple book areas

The Longgang branch in Zhongli District is also characterized by multiculturalism. In addition to creating a multicultural atmosphere in the premises, it also sets up multiple magazines and multiple book areas to provide a comfortable reading and learning space for new immigrants.

10.10 New Immigrants Cultural Center HOUSE 135 multicultural exhibition and promotion activities

In order to promote multicultural exchanges, and to accept and appreciate the differences of different cultures, HOUSE 135 provides a space for new immigrants to independently exhibit, communicate and learn. In 2019, new immigrants' groups and local youths were invited to plan **7 static exhibitions and 20 promotional activities based on festivals or life aspects. About 6,000 people participated**, so that the public could understand the culture of the new immigrants' home country and avoid various forms of discrimination and prejudice, promoting social harmony.

Access to the media

10.11 Access to the media

Promote the Public Access Channel

In order to protect citizens' freedom of speech and to ensure equal opportunities for "access to media", the three TV system companies in Taoyuan City have set rules for applying for the use of public channels for government agencies, schools, organizations, and the public to apply for broadcasting for public welfare and art. Cultural, social education and other programs allow citizens to cultivate citizen media, citizen journalist skills, record local growth, and respond to current affairs and policy issues.

The PAC Image Center

In order to promote the Public Access Channel (PAC) and cultivate local image seeds, Taoyuan City opened the "PAC Image Center" on the 3rd floor of the Taoyuan Civic Center in 2017, providing special screens and image editing equipment for photography to create a creative image environment, So that citizens can be transformed into urban recorders, and their works can be broadcast on the public channels of Taoyuan City Cable TV, enriching channel content.

Cultivate citizen media literacy

With the development of internet, mobile phone technology and the prevalence of social media, three cable television companies in Taoyuan City have converted public channel resources and photographic editing equipment to cultivate citizen media literacy and primary photography editing courses.

1.Education cooperation

Equipment and teachers are provided free of charge, and short video and audio-visual teaching are built in conjunction with school teachers and students to integrate media literacy into teaching.

2.Cultivate citizen to make films

In conjunction with local film and theater troupes, it promotes the performance of their own community stories by community members, and also teaches the public to write stories on mobile phones to ensure that citizens have the right to "access to media" with equal opportunities.

Broadcasting promotional films

In order to protect the citizens' right to know, in 2019, **25** public welfare, art and cultural, social education related short films were broadcasted on the cable television public channel to let the public understand the city's policy direction, construction progress and various welfare measures. In 2019, the total number of consignments of cable TV public channels was **2,908**.



Information equality

10.12 Communication Justice in rural areas

Strengthen cables and electrical boxes in coastal areas

In order to implement communication justice, Taoyuan City urged the industry to actively strengthen the salt resistance of cables and electrical boxes, and reduce the frequency of communication interruptions in coastal areas.

Promoted the infrastructure construction of cable TV in indigenous area

In the indigenous area, it strengthened the signal quality and promoted the infrastructure construction of cable TV in Fuxing District. **As of the end of 2019, the cable distribution rate of households in Fuxing District had reached 95%.**

10.13 Welfare Cloud

Established Welfare Cloud

In order to allow citizens of different age groups and ethnic groups to obtain sufficient and real-time welfare information and ensure their own rights and interests, Taoyuan City has established the “Welfare Cloud” (<https://welfarecloud.tycg.gov.tw/>) so that anyone can find the suitable welfare subsidies.

Digital platform reduce the public's perception gap and time

Through the smart welfare cloud platform, people can use their personal computers or mobile devices to inquire about various welfare subsidies according to their personal identities and problems encountered, making it easier for the people to search for welfare subsidies they can apply for, instead of traditional reading. The eligibility provisions for bidding can reduce the public's perception gap and time spent, and achieve the benefits of welfare promotion.

10.14 Tax Secretary - City Taxation Service Network

Formulate the Promote City Taxation Service Network Directions

In order to reduce the gap between urban and rural areas and build a complete tax service network in Taoyuan City, improve service quality, and implement the depth and breadth of services, Taoyuan City has introduced tax secretaries to go out of the office and to the grassroots and implement various convenient service measures. The plan includes going to the countryside to participate in civic activities, accepting various tax applications and consultations, providing the latest tax information and activities every month, and providing multiple and convenient service channels (such as line, e-mail, and telephone).



Welfare Cloud



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

Goal 11 covers housing, transportation, public facilities, cultural preservation, disaster reduction, environmental conservation, policy formulation and other aspects in the city. Like the epitome of SDGs, it is the primary goal of the city to pay attention to commitment to sustainable development. In addition to the spatial positioning provided by the national spatial plan, Taoyuan City also takes into account the needs of citizens in urban development and planning, and promotes the connection between urban and rural areas under the premise of environmental sustainability, leaving suitable development space for the next generation.

Ensure housing justice

11.1 Diverse social housing

Speed up the supply of social housing

Taoyuan City proposed a diversified social housing policy, comprehensive inventory of land resources, including households by the city government, the acquisition of urban planning, urban renewal distribution, cooperative establishment by water conservancy associations, state-owned land allocation, and households by the central government.

Currently, 41 sites and 12,000 households have been planned. In addition to 4,000 households built by the central government, there are 25 sites planned and built by the city government, with about 8,000 households. It combines diverse public service facilities to build a friendly community. 212 have been completed and moved in in 2019, and three social houses will be completed and leased in 2020, a total of 1,188 households.

Multiple rental subsidy program

Combining the lease and escrow plan and the housing subsidy program to encourage the release of private residential resources, there are **10,436 households eligible for rental subsidy in 2019, and a total of 2,007 households are developed under the lease and escrow, for a total of 12,443 households.**



11.2 Amendments to the land use district of Indigenous tribal land

Achieving housing justice in the indigenous area

Taoyuan City ranks third in the population of indigenous people in Taiwan, but the proportion of land used for construction by indigenous tribes is low, and the original tribes were all included in the hillside conservation area in the early days. In order to achieve rights to their hometown, improve the quality of the living environment and the safety of their hometown, Taoyuan City took the initiative to correct the land use district to rural zone and the use of land types to be used for construction land, specific purpose business land and other appropriate land.

Proper land use to maintain life functions

In addition, the City has given priority to assisting in the correction of the districts used for legal building gathering areas of the four tribes in the Fuxing District into rural areas. By restoring the rights of the indigenous tribes to legally use the existing land, maintaining the integrity of local life functions and the traffic use function of the existing roadways, it is expected to improve the rural living and production environment of the indigenous people, meet the needs of residential construction and disaster prevention and relief. The positive connection between the social economy and the environment in the mountainous area allows the land in the original rural area to be used reasonably and legally.

11.3 Construction of indigenous tribes in Dahan River

Ensuring housing and strengthening construction

The riverbank of the Dahan River was the place where the early indigenous people lived and cultivated in the north, forming two indigenous settlements in riverside cities. In order to protect the right of residence of tribal people, Taoyuan City provides water, electricity and house number nailing, improves the construction of surrounding environmental roads, and solves the basic living needs of the indigenous people.

Regular tracking and Protection

The city regularly tracks the tribe's household status, welfare status, social resources obtained, etc., so that the economic life of the indigenous people can be properly taken care of.

Ensuring the inheritance of tribal culture

In order to promote the sustainable environment of the tribe, Taoyuan City will follow the spirit of "the heart of the tribe" to create urban indigenous tribes, and comprehensively consider the cultural characteristics, development context and social welfare of the urban indigenous tribes, and use a public-private partnership model to combine indigenous cultural resources, creating a culturally self-evident and educational tribal park, providing a field for cultural exchanges between different ethnic groups, and ensuring the inheritance of tribal culture.



11.4 Cadastral inventory and protection of ancestral property project plan

Promote meaning

In the early days of Taiwan's recovery, because the people were not familiar with the laws and regulations, many lands were declared and registered in the names of clubs, associations, gods' associations, or other unknown subjects during the Japanese rule, or land that was inconsistent with the current laws and regulations. In order to protect the rights and interests of the people, Taoyuan City has clarified the ownership of unidentified land and activated land that cannot be disposed of, so as to protect the people's right to real estate safety and sustainable management and utilization.

Follow the footsteps of the times and combine the concept of equal rights

Use public-private collaboration to solve the problem of land that has not been registered for inheritance for a long time, and incorporate the viewpoint of equal rights of inheritance to eliminate gender discrimination or prejudice against women's inheritance rights.

Protection of Ancestral Property Service Team

Taoyuan City took the initiative to assist the public in the registration of inheritance and set up a "Protection of Ancestral Property Service Team" to assist those who have difficulties with inheritance division agreements and unknown heirs to apply for registration, and actively clean up the cadaster to avoid land auctions or nationalization.

Complete professional services

In order to increase the succession registration application rate, Taoyuan City's land administration office also provides a number of humanized and highly efficient service measures, such as home delivery services, cross-subsidiary succession registration, cross-county and city collection and forwarding of succession cases, and the establishment of a succession expert system and other services.

Implementation effectiveness

Every year, we continue to assist the public in handling approximately **3,000** real estate inheritance registrations (buildings). From 2018 to the end of January 2020, **9,897 registrations of approximately 304 hectares of land were completed**, with a value of approximately **18.8 billion NTD**; the value of the land that has been

activated through cadastral clearance is over **5.7 billion NTD**, it is estimated that the total clean-up completion rate in 2030 will reach over **95%**.

11.5 Lands information network service

Convenient online service

Taoyuan City provides people with online bidding services for various land affairs cases, land affairs business and real estate transaction prices and other information queries to avoid transaction disputes. **In 2019, there were 6.5 million online bids and 5 million people inquired online.** Through the deepening and innovation of online services, strengthen the resilience of people's property transaction safety, provide appropriate living environment and fair transaction price information, and construct fast, convenient, safe and sustainable residential services for citizens.

11.6 Cadastral map quality improvement

Accurate graphic digitization

Due to the age of the cadastral map and the limited early technology, the cadastral map drawings have problems such as stretching, damage, blurring, tinyscales, difficult to control precision, and jointing of map sheets. In order to ensure the rights and interests of the land owner, and reach the three aspects of map, book and land, Taoyuan City continues to carry out cadastral map re-survey and graphical digital cadastral map integration construction and urban planning topographic map overlay work.

Implementation effectiveness

At present, the completion rate of cadastral map retesting operations is about 95%, and it is expected to be completed by 2022; **the completion rate of the integrated construction of graphic cadastral maps and the overlapping of urban planning topographic maps is about 50%**, and it is expected to be completed by 2027.



11.7 Centralization of land administration database

Centralized database is safer

In order to reduce the information security risk of intrusion of land administration data of grassroots agencies, improve the level of government information security protection, and avoid the leakage of people's personal data and people's rights and interests, Taoyuan City handled the centralized operation of the land administration database of local government offices. The plan provides a safe and sound basis for Taoyuan City's various cadastral operations, survey operations, land price operations, land rezoning, and block expropriation. The plan is to effectively integrate information resources, and through a unified in-depth information security defense mechanism, improve the efficiency and security of land administration information operations, provide a safe and reliable real estate transaction environment for the public, and promote economic development

Transportation and environment

11.8 Three-core and Six-track construction

Road network planning

In order to popularize public transportation, Taoyuan City plans a "three core six track" track network, including the MRT Green Line, MRT Green Line plus Zhongli District, underground railway, etc., connecting three cities including Taoyuan District, Zhongli District, and Aerotropolis.

1. Construction progress and advantages

The Airport MRT is currently in operation, the MRT Green Line is under construction, and other routes are under planning. It is expected that the MRT Green Line will be opened to traffic in 2025 and the MRT Brown Line will be opened to traffic in 2028. Taoyuan Airport Terminal 3 will be opened, Taoyuan Aerotropolis will be developed, and the MRT will be extended to Zhongli Railway Station in 2030.

Underground railways can eliminate existing level crossings, land bridges, and underpasses, and reduce the probability of traffic accidents. The vacated ground corridor space will be used as a continuous open space such as dedicated lanes, pedestrian paths, bicycle lanes, and green belts, which can improve green spaces area, strengthening urban disaster prevention function.

2. Broad transportation routes

The construction mileage of the MRT reaches 107 kilometers, and there are 63 MRT stations. The service area covers 44% of Taoyuan City's population (approximately 1.31 million people). With the expansion of the public transportation network and the appropriate transfer planning for rails, transportation resources can be integrated and transfer stations can be effectively allocated, which can gradually change people's transportation habits, shorten the urban-rural development gap in Taoyuan City, and improve the traffic in Taoyuan City. Accessibility, such as the conversion of travel time to reduce benefits, will reach 18.5 billion NTD in 2030.

3. Taipei-New Taipei-Taoyuan one hour orbital life circle

The Taoyuan MRT system can be connected to the Taipei MRT system, Taoyuan International Airport, Taoyuan High-Speed Rail Station, and the western main line of Taiwan Railway. In the future, citizens will be able to shorten their commuting time to and from the metropolitan area regardless of whether they enter or leave the country, travel between north and south, and move within the metropolitan area.



Pay attention to the preservation of cultural assets

During the MRT construction period in Taoyuan City, cultural assets will be monitored during the construction period, and tilt and settlement points will be monitored. If necessary, construction protection works will be adopted and low-vibration construction methods will be adopted to reduce the impact of vibration. If historical sites or cultural relics are found during the construction period, they will also be properly preserved.

Green building design and wasteland management

- In the MRT planning and construction, green building design is introduced, the structure of the building is light-weight, and steel structure or precast steel is used to reduce the number of steel bars, concrete and decoration materials, and the green building materials are used as much as possible.
- MRT Construction uses BIM to optimize building performance design, effectively manage construction schedules, and reduce costs and material waste.
- During the planning of the MRT station base, attention was paid to permeable pavement and ecological flood ponds. The plants were mainly native species and birds and butterfly attracting plants, and the original plants in the base were properly transplanted.
- The surplus soil of the project is given priority to the use of the required soil engineering, and the construction waste and industrial waste are recycled and reused as much as possible, and **the recycling rate of resource garbage reaches 60%.**

Use recycled water and waste water treatment

The MRT plan focuses on water resources management. In addition to water-saving appliances used in sanitary equipment, water for construction projects, sprinklers, and car washes are all prioritized to use recycled water from Taoyuan Water Resources Recovery Center. The MRT construction also plans rainwater interception facilities to recycle rainwater for green land irrigation. The construction also sets up sewage treatment equipment such as interception tanks or oil-water separators. After the wastewater is treated to meet the discharge water quality standards, it will be discharged into the sewage collection system. The target is that the treated wastewater will reach below 80 ppm chemical oxygen demand by 2030.

11.9 MRT system planning

Transportation volume improvement and optimization services

The Taoyuan Airport MRT has the functions of connecting outside the airport, intercity and metropolitan transportation, providing convenient transportation services for the public. Since the official opening in March 2017, the annual average daily transportation volume has increased from **56,900** to about 63,600 in 2018, and continued to grow steadily to about **76,600** in 2019. The overall transportation volume in 2019 increased by about **20.45%** compared with the previous year. The daily transportation volume of commuting with commuter tickets on weekdays increased by about **31%**.

Stable and safe traffic environment

Taoyuan MRT has built a train occupancy detection assistance system since 2019, and uses artificial intelligence to make train dispatch faster and safer, introduce big data analysis for key equipment, and strengthen predictive maintenance. In addition, Taoyuan MRT also sets indicators such as the accident rate and train punctuality rate to ensure the reliability of the MRT system and provide a stable and safe MRT system. **The major traffic accident rate in 2019 was 0%, and the train punctuality rate reached 99.63%.**

Import smart energy-saving design

1. Smart energy-saving equipment

In order to improve energy efficiency, Taoyuan MRT regularly analyzes electricity consumption and develops energy-saving measures. Based on the building management system, it collects and monitors electricity consumption data and visualizes and graphs energy-consuming equipment information through the maintenance cloud. Fully grasping energy information and efficiency performance. MRT stations implement energy-saving measures for various lighting, air-conditioning, elevators, escalators and other equipment, and gradually replace energy-saving lamps and intelligent inverter air conditioners on electric trains to improve energy efficiency. Stations have also built a mechanism for the utilization and recovery of regenerative electricity. The regenerative electricity generated by the electric brake of the electric train is converted to the trains of the neighboring stations for accelerated use. **The electricity consumption in 2019 saved 7.25 million kWh compared with 2017**, and it is estimated that 20 million kWh will be saved in 2030.

2. Multiple electronic payment

In addition, promoting the upgrade of gate equipment in MRT stations, and introducing diversified payment systems such as QR Code tickets, credit cards, citizen cards, electronic payments, or third-party payment scanning codes. Single-way tickets can be recycled and reused when leaving the station, making entry and exit more convenient, reducing the printing of physical and paper tickets.

Improve disaster response capacity

The MRT Green Line uses a central monitoring system (SCADA), which can integrate various information into monitoring through the transmission system. The MRT design strengthens drainage and seismic design to prevent losses caused by disasters and improve emergency response capabilities when disasters occur.

11.10 Bus system planning

Current situation

Taoyuan City has 174 urban buses and 87 free buses, with a total of 261 routes, which are currently the main public transportation vehicles in Taoyuan City.

Promote electric buses

In order to promote energy saving and carbon reduction, the city promotes electric buses. In 2012, Taiwan created the first free electric low-chassis shuttle bus to connect important transportation nodes in Taoyuan City, effectively increasing the utilization rate of public transportation. **In 2019, there were 56 electric buses in total.**

11.11 Encourage public transportation

MRT discounts

Taoyuan MRT has implemented a variety of fare discount programs, including: 10 NTD discount for all lines, 50% off for commuter tickets for 120 days, discounts for citizen cards, etc. According to statistics, after the implementation of the preferential program, about 39% of commuter ticket applicants have switched from their own transportation to the airport MRT, which will help increase the use of public transportation.

Bus discounts

1. Bus ride discount for the citizen card

Since 2017, we have introduced discounts on the basic mileage and fare limit of urban buses. The Taoyuan City Citizen Card can enjoy buy-one-get-one discounts for city passenger transportation, promote bus discounts and MRT stations along the MRT airport interchange discounts.

2. Provide diversified ride information

The city has also provided diversified ride information and real-time bus information through the extensive deployment of smart stop signs and bus shelters to increase the utilization rate of e-tickets and public transportation.

11.12 Promote sharing and electric transportation

Electric car and locomotive

1. Promote shared transportation

Taoyuan City actively promotes shared transportation at important transportation nodes, railway stations, and densely populated urban areas, connecting smart energy, smart industries and smart transportation to effectively reduce air pollution caused by vehicles and achieve energy saving and carbon reduction. The plan can also increase the turnover rate of parking spaces and provide people with another option to transfer to transportation equipment. Taoyuan City approved GoShare shared locomotives, iRent shared locomotives and cars in 2019. There are 2,000 electric shared locomotives and 100 hybrid electric vehicles. Each shared locomotive can provide 3-6 rides a day. The moving range is 4~5 kilometers.





2. Install electric vehicles and locomotive charging equipment

In order to promote the use of electric vehicles by the public, in order to achieve the goal of energy saving, carbon reduction and sustainable development, Taoyuan City actively builds electric vehicle charging equipment and battery exchange stations. The city installed a total of 73 electric vehicles and locomotive charging equipment in public off-road parking lots.

In addition, a parking lot was used to build GoStation battery exchange stations. A total of 39 GoStation battery exchange stations were built, bringing the total number of battery exchange stations in Taoyuan City to 179 stations, becoming **the city with the most battery exchange stations in Taiwan**.

3. Subsidies for electric locomotives

Taoyuan City's subsidies for electric locomotives are the highest among all counties and cities in Taiwan. There are more than **1,200 electric locomotive charging stations**, and the market share of electric locomotives is **5.65%**.

Public bike

In order to encourage people to use low-polluting, low-energy public bicycles as short-distance transportation, Taoyuan City has been planning to promote public bicycles (YouBike) and bicycle lanes since 2015. So far, **347 YouBike stations** have been completed, providing **9,030 public bicycles**. **Bicycles have been rented out for more than 34 million times**, combined with free riding discounts for the first 30 minutes, free public bicycle insurance, promotion of corporate groups to donate YouBike stations and setting relevant points, etc., to increase the utilization rate of public bicycles; and to plan bicycle lanes simultaneously. The current bicycle lane has reached **245 kilometers**.

11.13 Barrier-free transportation environment

Barrier-free ride environment

1. Built a bus seat resignation system

In order to take care of passengers with limited mobility and disadvantaged passengers, Taoyuan City has built a bus seat resignation system and installed RFID sensors on 15 buses on Route 168 in Taoyuan City. When taking a bus, if you feel unwell and in need of a seat, if you are holding a civic card that has been activated for seat resignation service, and the card is used, there will be a sound and flash to remind passengers to share their seats.

- Citizens who hold a love card and a senior citizen card do not need to apply, and have immediate access to the service.
- Other people, such as pregnant women, whose seat needs are not obvious, can also enter the relevant information of the citizen card on the transportation bureau website to apply online.

2. MRT barrier-free facilities and services

- During the construction of the Taoyuan MRT Green Line, various barrier-free facilities and services were provided at the MRT station, such as barrier-free ramps, parking spaces, automatic toll gates, ticket machines, elevators, and toilets.
- In the MRT carriages, there are priority seats, special spaces for wheelchairs, handrails, and barrier-free hardware facilities such as electric wheelchair charging seats, exclusive wheelchair waiting areas, and fixed areas for wheelchair parking.
- Station staff also provides relevant assistance, such as guiding and assisting visually impaired passengers to take the MRT, and setting up barrier-free signs and warning tiles in the station as independent guidance for barrier-free facilities.
- Taoyuan MRT Green Line trains pioneered the first planned priority seat system for pregnant women. Pregnant women receive induction magnetic buckles before taking the car. The door and priority seat side grips have automatic sensors. When pregnant women get on the bus, they use RFID radio frequency identification technology for detection. Lights and a musical sound is made to remind passengers to give the priority seat for pregnant women.

Concessions on transportation fares for disadvantaged groups

Taoyuan City cares for the needs of disadvantaged groups, women, children, the handicapped, and the elderly, encourages people to go out on the Mass Rapid Transit, and continues to implement various fare discount programs such as a discount of 10 yuan for all routes, social welfare cards and citizen card discounts, etc. 800 points of the card (Respect for the Elderly, Love Card) can be used to deduct the fare, of which **the social welfare card** (including the Elderly and Love Card) **was used on an average of 4.63 thousand per day in 2019, accounting for approximately the total airport MRT traffic volume. 6.04%.**

Friendly transportation services for the elderly and the disabled

Taking into account the mobility of the elderly and the disabled, Taoyuan City provides friendly transportation services.

1. Provide long-term care transportation

To meet the medical and rehabilitation needs of the disabled elderly with long-term care, a special car for long-term care services equipped with wheelchair lifting equipment is provided, and the dedicated car will pick up elderly people with long-term care level 4 (level 2 in the Fuxing District) and above, and return home to the hospital, while providing transportation subsidies.

2. Provide rehabilitation bus

In response to the diverse social participation needs of the disabled such as medical treatment and schooling, rehabilitation buses equipped with wheelchair lift equipment are provided to improve the transportation convenience for the physically and mentally disabled.

3. Accessible Taxi

The city cooperated with the private sector to establish a group of car taxis to provide general taxi models and barrier-free car models with assistive devices. Those who pay with the Taoyuan City Citizen Card—the Elderly and Love Card can enjoy part of the fare as subsidy. At present, the car fleet consists of **1,931 vehicles** from six companies, including **75 accessible taxis**. The car includes general passenger seats and a wheelchair seating area. It is equipped with wheelchair ramps or lifting equipment, allowing wheelchair passengers to directly enter the car.

Improve traffic accessibility in rural areas

In order to improve public transportation services in rural areas, Taoyuan City increased the number of buses on the Daxi Fuxing Main Line, and promoted the 9-seater Fuxing District Happiness Bus, so that people in rural areas can make reservations online, making boarding times and routes more flexible. **The proportion of households within 500 meters of public transportation in rural areas of Fuxing District is about 88%.**

Pedestrian walk quality improvement plan

Taoyuan City promotes a plan to improve the quality of pedestrian walks, giving priority to improving road sections located in the city center or frequently used roads, focusing on removing obstacles on pedestrian walks, setting up barrier-free ramps, and a friendly pedestrian environment. In order to implement recycling, energy saving and carbon reduction, pedestrian walk paving bricks use permeable bricks made from incinerator bottom slag, which can reduce waste compared with traditional paving bricks. **As of 2019, the pedestrian walks were improved by about 54,000 meters, and the total area of improvement was about 130,000 square meters. In 2020, it is expected to be improved by 22,000 meters. The improvement area is 33,000 square meters.**

Arcade leveling

In order to improve the roadblocks, height difference, illegal parking and other problems, Taoyuan City has promoted the leveling of the arcades for the main business districts and stations and other important bases where the flow of people is concentrated. **From 2010 to 2019, the improved length of approximately 8,955 meters was completed, and it is expected to improve the length of approximately 2,000 meters in 2020.**



Underground cables and poles project

Taoyuan City has promoted cables and poles underground in commercial districts, rezoning, widening roads, sidewalks or roads on divisional islands, surrounding major public constructions, and coastal disaster prevention water areas. **Until March 2020, the rate of underground in this plan has reached 46.94%.**

Traffic calming zone

1.Build traffic calming zone

Taoyuan City promotes a human-oriented traffic environment plan. Every year, 15 locations are selected to gradually build traffic calming zone and expand them around schools. Through traffic control facilities, the safety of pedestrians and school children is protected. In 2018, the Linhe Children's Park in Zhongli District and Yangguang Elementary and Junior High School in Yangmei District were used as demonstration sites.

2.Propose traffic micro-shaping plan

In 2019, the scope of demonstration was expanded, 20 school districts were selected, and a traffic micro-shaping plan was proposed according to local conditions. The content of the plan is to reduce speed limits, extend pedestrian space, 3D roadside deceleration markings, pedestrian-specific time phases and color crossings, reduce passing traffic, and other improvements to build a people-oriented traffic environment and reduce the number of vehicles and vehicles on specific road sections conflict in order to avoid traffic accidents.



Urban planning and management

11.14 Development of Taoyuan Aerotropolis

Taiwan is located in the center of Northeast Asia and Southeast Asia. The average flight time between Taiwan and the airports of other Asian countries is only 2 hours and 30 minutes, which shows the superior geographical location of Taoyuan International Airport. Considering that the passenger and cargo volume of the existing airport has reached the upper limit of the load of two runways, it cannot meet the needs of future development. It is urgent to build a third runway and other facilities to expand the capacity of airport facilities to meet the needs of air passenger and cargo. After the development of the Taoyuan Aerotropolis plan, it will be possible to obtain airport expansion and industrial development hinterland, including **610 hectares of airport special area, 73 hectares of free trade port area, 480 hectares of industrial special area, 321 hectares of commercial area, and 535 hectares of residential area.** The land acquisition will be announced at the end of 2020.

Introduce Three Low and One High industries, ecological logistics, and green innovation industry

Taoyuan Aerotropolis plans to develop "airport economics" with airport construction and industrial development as the main axis.

1.Three low and one high industries

Using the geographical advantages of Taoyuan International Airport and the advantages of Taoyuan's existing industrial clusters, a free trade port area and special industrial zones are planned to introduce industries with low pollution, low energy consumption, low water consumption and high added value. Priority investment promotion includes 6 major industries: cloud computing, aviation assistance, international logistics, biotechnology, smart vehicles, and green energy, which will promote the increase and transformation of national industrial output and enhance national competitiveness.

2.Ecological logistics industry

Combine smart technology with logistics operations to develop an airport warehousing logistics demonstration zone.

3.Green Innovation Industrial Zone

Taoyuan Aerotropolis plans to use Taoyuan Airport's related construction facilities to set up a special zone for green innovation industries, linking Taiwan's industrial supply chain and technological capabilities. The Taoyuan Aerotropolis cooperates with Taoyuan's surrounding industrial clusters, academic research innovation and support system to generate innovative services and industrial activities of greater value, and develop diversified industries, encouraging the establishment of R&D centers and multinational corporate headquarters.

Promote smart and resilient cities with the concept of circular economy

Taoyuan Aerotropolis plans to introduce design concepts such as resilience, intelligence, and circular economy in the process of infrastructure construction.

1.Resilient design

- Set up common pipe trenches and deploy broadband facilities, plan smart grids, integrate service systems, and improve resource utilization efficiency.
- The standard for flood bearing resilience is also set, based on the planning principles of land sharing runoff and symbiosis with water, consideration of water system, storm and flood management, earthquake resistance of public pipelines, common pipelines for life support, disaster prevention and refuge, etc., increase the potential of land for flood retention during extended rainfall. The mid-surface runoff eases the burden on rainwater channels and regional waterways.

2.Smart design

- Build a database of smart street lights and 3D underground pipelines.
- Build a smart Aerotropolis through bridge monitoring, flood control monitoring, and environmental quality monitoring.

3.Circular economy

- Measures such as water conservation, rainwater storage, sewage recycling, etc., are coordinated with the Taoyuan Sewage Treatment Center to plan the use of recycled water for the Aerotropolis industry, and build an environment for water regeneration and reuse.
- Promote green buildings to reduce resource consumption.

Preservation of original cultural assets

The Taoyuan Aerotropolis plans to retain all the original 17 ponds, and the three ponds that were filled on the third runway will be compensated by relocation. The former air force's Taoyuan base facility group is one of the most intact military bases in Taiwan after it's decommissioning. People can witness the history of the free world frontline during the Cold War. The plan is to promote preservation and activation through the overall planning of historical site preservation areas, parks, green spaces, and garden roads, reappearing historical and cultural fields, and create special cultural asset values.

Properly resettle existing residents and factories

For the existing residents, the resettlement street profile built by the people and the social housing built by the City for resettlement were planned by the method of building first and moving later. Existing illegal factories will be directed to the industrial zone, and 1.7 hectares of industrial wastewater treatment plants will be set up, and the scattered industrial zone of 19.93 hectares will be retained at the current site. Through land use control and centralized wastewater treatment, environmental pollution will be effectively reduced and the land will return to rational use.

Focus on citizen participation

After the Taoyuan Aerotropolis plan was reviewed and approved by the Ministry of the Interior in 2014, a number of hearings were held from 2015 to 2016. Based on the results of the hearings and public opinions, the urban plan was reviewed and approved by the Ministry of the Interior in 2018. In 2019, the Ministry of the Interior reviewed and approved the adjustment of the urban planning area to 4,564.32 hectares. In addition, in 2018, the Ministry of the Interior approved the scope of section expropriation and the proportion of land at a bargain, and began to conduct land and ground object inspections and assessments, and held land agreement price purchase meetings and section expropriation public hearings in 2019. The Ministry's Land Expropriation Review Team's resolution was revised and passed, and it is expected that the land acquisition will be announced in the end of 2020.

11.15 Urban land readjustment

Promote purpose

Taoyuan City's land development through urban land readjustment can not only accelerate the construction of public facilities, build green public spaces and transportation systems, but also protect people's property rights and increase the economic value of the land, taking into account the protection of cultural assets and natural ecology.

Implementation effectiveness

Taoyuan City has completed the development of 29 consolidation areas with an area of approximately **1,089.22 hectares, including 718.49 hectares of construction land and 368.79 hectares of roads, parks, green spaces and other public facilities.** The city has also created a consolidation area on the side of the interchange, providing a river-circling lane to citizens for sports and leisure, and cooperating with the development of adjacent industrial areas to provide a quality living environment.

11.16 Zone expropriation

Promote purpose

Taoyuan City uses zone expropriation to bridge the gap between urban and rural areas, rationally planned land use, construct and improve public facilities, provide a livable environment, and maintain the local ecology and cultural texture to promote sustainable urban and rural development.

- The plan uses public hearings, briefings and other procedures to strengthen communication channels with the public, and formulate reasonable compensation for demolition, incentives, resettlement plans, land allocation and other mechanisms to guide reconstruction instead of traditional forced evictions, and effectively protect the people's property.
- Combined with the concept of urban disaster prevention, the drainage system and flood control facilities are planned to reduce the impact of development and strengthen urban resilience.

Implementation effectiveness

Taoyuan City has completed nine zone expropriation development areas with an area of approximately **1,164.63 hectares, including 661.6 hectares of buildable land area and 503.03 hectares of land for public facilities** such as roads and parks. Among them, the 4.8-hectare Fenghe Park provides recreational sports and disaster prevention functions, and the existing cultural assets and ponds within the zone expropriation are preserved.

11.17 Urban regeneration

Promote urban regeneration

Taoyuan City continues to promote urban regeneration, including government-led urban renewal, assistance to the private sector in the urban renewal of cheap material buildings, promotion of accelerated reconstruction of old and dangerous buildings. The plan can promote low-utilization land development, obtain service public facilities, implement the public welfare of urban regeneration, and improve the function of the living environment. Urban regeneration is also coordinated with track construction, implementing additional volume within 500 meters around 29 MRT stations to promote urban regeneration along the MRT to promote regional development.

Implementation effectiveness

Taoyuan City host urban regeneration case is currently being executed in four cases, including Zhongxing Lane, Dongmen Section, Fuxing Road, Zhengguang Road. These cases will provide public welfare facilities such as social housing, police and firefighter dormitory, childcare center, parent-child pavilion, senior citizens learning center, civic activity center, youth innovation center, etc. It is expected to improve the old urban environment by the public sector to promote urban regeneration. Zhongxing Lane and Dongmen Section are expected to be completed by the end of 2022.

In addition, it also actively promotes and counsels the private sector to handle independent regeneration, cheap material house reconstruction and reconstruction of unsafe and old buildings. With an emphasis on accelerating the regeneration of unsafe and old buildings, providing residents with a sustainable and safe living environment, and implementing the urban sustainable development goals.

11.18 Revitalize idle public land

Advantages

Idle public land and facilities are the assets of the citizens. Through effective use, operation, and proper development and application, it can make the environment sustainable and reduce financial expenditures. Through the revitalization of old facilities and the elimination of idle land, land resources can be used effectively and fully, and a sustainable living environment that is shared by the citizens, is inclusive, safe and healthy.

Implementation effectiveness

The public land area allocated and activated from 2018 to 2019 reached **125.96 hectares**, including public projects such as road widening in the Longtan Base of the Hsinchu Science Industrial Park, Danan flood detention ponds in Bade District, and the construction of the Taoyuan Aerotropolis MRT Green Line.

11.19 One-stop e-service plan for household registration

The household registration business is closely related to the rights of the people and the business of various agencies. Taoyuan City strengthens the electronic management of house numbers and household registration data in the Japanese occupation era, and provides e-services. When people register their household registration at the household registration office, they can report the latest household registration information to various cooperative agencies through the information platform, update the information simultaneously, and handle the business of 12 agencies including applying for a health insurance card and applying for a passport for the first time. It can save the people from the burden of boats and cars, and achieve the effect of energy saving and carbon reduction. **In 2019, the household registration office in Taoyuan City accepted 256.55% of cases of inter-agency notification service of household registration data changes.**



11.20 Quality public buildings

Introducing green building design into public buildings

During the planning and construction of public buildings in Taoyuan City, green building design was introduced, it is based on the principles of "ecology, energy saving, waste reduction, and health", to promote the symbiosis and mutual benefit of the building and the environment, and to maintain a sustainable living environment. Important projects such as Taoyuan City Library, Taoyuan City Art Museum, Taoyuan Convention and Exhibition Center, and Taoyuan Pop Music Amphitheater are all designed with green buildings.

Build a smart city

In major projects such as the "Asia Silicone Valley Innovation and R&D Center," smart building design is used, and technologies such as networking, monitoring, IoT, and system integration are used to promote the integration of the construction industry and information and communication technologies to show the appearance of smart cities.

Implementation effectiveness

From 2015 to 2019, 144 projects obtained green building marks and 11 obtained smart building marks. In terms of public works, regardless of planning or construction, they have been recognized by the National Construction Excellence Award. In 2019, 45 entries were submitted, and three excellence awards, three special awards, 25 gold awards and 14 quality awards were awarded.

Protect cultural assets

11.21 Taoyuan ponds and stone weirs preservation promotion and sustainable development plan

Hometown of Thousand Ponds

Taoyuan is known as the "Hometown of Thousand Ponds". There are densely distributed ponds and water canals with as many as 3,000 ponds. The number of ponds and the density are so high that it is a rare sight in the world. Ponds are a special land use method for water conservancy irrigation on the Taoyuan terraces, a unique landscape that interacts closely with the lives of residents, people can witness the development history of the Taoyuan terraces, and has the function of regulating climate and the diversity of the ecosystem, and is rich in cultural and natural values. It is one of the 18 potential world heritage sites in Taiwan.

1.Ponds and Canals Preservation Cooperation Platform

Taoyuan City clarified the core values of each pond, defined the scope of cultural landscape preservation, and first chose a demonstration base to implement preservation and promote strategies through a joint cooperation platform to continue operating the Ponds and Canals Preservation Cooperation Platform.

2.Ponds and Canals Road Regeneration

In addition to promoting cultural preservation of ponds, Taoyuan City has also promoted the regeneration of ponds, transforming them into a park with both leisure and climate regulation functions (goal 6).

Xinwu stone weirs

Xinwu stone weir is one of the few stone tidal weirs still in use and maintenance in northern Taiwan.

1.Registered as a cultural landscape

Taoyuan City registered the well-preserved stone weir as a cultural landscape in 2019.

2.Promoted sustainable development plans

The plan is to coordinate with World Ocean Day through relevant investigations and studies, feasibility assessments, cultural influence and education promotion, repair projects and other plans to take stock of the progress of the stone weir cultural investigation, and conduct cross-domain integration planning.

3.Promote environmental education

Taoyuan City also promotes the conservation and environmental education of stone weir through civic cooperation and international exchanges (Goal 14).

11.22 Grand Daxi Project

Regional living park

Daxi Old Town is the most well-preserved historical district in Taoyuan City, and the most worthy of culturally preserving area in Taoyuan City. Taoyuan City outlines a new generation of sustainable urban and rural life from a macro perspective, making Daxi a new economic activity field that combines life, production and ecology.

Grand Daxi Project

The Daxi project starts from the local history and culture, adding art, ecology, and leisure agriculture, to health promotion, hoping to meet the needs and values of future urban and rural residents.

Create a sustainable lifestyle

Taoyuan City's mission is to preserve, build, and promote local historical and cultural content. Through exhibitions and other methods, cultural content is transformed into economic activities that can be experienced, and a sustainable lifestyle is created.

Design barrier-free environment

In the area between the edge of the Daxi city street and the river valley, the historical and cultural corridors are formed by the historical buildings of Daxi Park and Daxi Wooden Ecological Museum. New public spaces such as sports centers and elderly cultural and recreational centers, are based on human-oriented design principles, smoothing the terrain, developing green belts, and creating stay squares at nodes to form an open and barrier-free urban space, bringing health and friendliness to the residents of historical town's life.

11.23 Revitalization of historic buildings

Save military dependents' village cultural assets

Taoyuan City not only has the highest density of military dependents' villages, but also has the highest number of large military dependents' villages in northern Taiwan. In recent years, old military dependents' villages have been rebuilt and demolished, hence the crisis of disappearing culture. In order to consolidate the awareness of the preservation of the military dependents' villages, since 2001, the military dependents' village culture has been maintained through the preservation of cultural assets of the military dependents' villages, such as Zhongli Matsu New Village, Daxi Taiwu New Village, Guishan Xianguang Second Village, Guishan Military Dependents' Village Story House, etc. The City strives to preserve historical places such as military dependents' villages, and actively carries out restoration projects, spatial activation, and cross-domain connections to preserve the historical memory of the city for the public.

Japanese-style building restoration

Taiwan left many Japanese-style buildings during the Japanese occupation from 1895 to 1945. Taoyuan City restored and revitalized the appearance of Japanese-style buildings, such as 77 Art Zone, Li Xiao Story Forest, Zhong Zhaozheng's Literary Life Park, Martyrs' Shrine, to let the public to experience the multi-cultural charm of Taoyuan City.

11.24 Taoyuan City Story Museum Project

Promote the City Story Museum project

In response to the tolerance, safety, resilience and sustainability of the city and human settlements, and to strengthen the protection and use of cultural heritage, Taoyuan City revitalized historical buildings, promoted the City Story Museum project, and provided high-quality cultural and leisure venues. The City Story Museum arouses the public's recognition and enthusiasm for the hometown by displaying, inheriting and recording local stories. **As of May 2020, the City integrated more than 25 series of buildings to cultivate citizens' participation in the management of cultural assets and local buildings.**

Promote the Taoyuan Citizen Academies project

The story hall handles the research and promotion of cultural performances and "Taoyuan Studies". **From 2017 to 2018, the city cultivated 64 scholars** and invested in cultural management.

Promote the revitalization of historical buildings in the old town

- The Taoyuan Damiaokou Police Station has the dual historical significance of being a police station during the Japanese rule and Baojia system during the Qing Dynasty. The original appearance of the historical building was restored and developed into a Taoyuan Old Town Story Museum and a tourist information center, showing the characteristics of Taoyuan's past streets.
- The old Wuling police station was transformed into a new residential cultural museum.
- The old warehouse complex at Taoyuan Station was developed into a Taoyuan Rail Vision Hall.





11.25 Hakka heritage

The Hakka population in Taoyuan City ranks first in the six municipalities. In order to preserve the Hakka language and culture, Taoyuan City emphasizes importance to the inheritance of the Hakka language in school education and social education.

Promote immersive teaching of Hakka

Taking into account the golden age of language learning in the early childhood stage, Taoyuan City promotes immersive teaching of Hakka in kindergartens.

Cultivate teachers' Hakka skills

Through teacher training, Hakka-language-sponsored teachers serving as escorts to accompany teaching, formulating incentive measures for Hakka certification qualifications, and recruiting Hakka teachers and instructors, etc., to enhance teachers' Hakka skills, create a Hakka learning environment, and teach children to be able to listen and speak Hakka naturally, enhance memory, and implement Hakka learning take root. **In 2019, more than 1,000 children from 14 kindergartens participated.**

Family learning

With the family as a unit, Hakka teachers are encouraged to let family members of more than two generations to learn Hakka, so that the friendly environment of Hakka will gradually expand from the public domain to the private domain, and promote family inheritance. **In 2019, a total of 10 families were subsidized, with a total of 160 parents and children participating.**

Hakka classes

For adults, all organizations and organizations that can provide a fixed time and place for classes can apply for Hakka teaching to start classes. **In 2019, 115 classes were held, with more than 2,000 citizens participating in the study.**

Promote multilingual local education

Taoyuan City also promotes the local education of Hokkien, Hakka, and indigenous languages, allowing elementary and middle school students to increase their understanding of the local language and culture through rich teaching activities (Goal 4).

11.26 Hakka Hundreds of Industries Survey

Promote cultural preservation and maintenance

Taoyuan City collects information on Hakka talents and records various traditional skills. Through video records and book publishing, more people can understand the simple Hakka art and the wisdom of life behind it, so as to promote the preservation and maintenance of culture.

Implementation effectiveness

From 2017 to 2019, **15 documentaries** have been filmed, including incense making, bamboo weaving, iron making, tea industry, etc., and they have been assembled into books to preserve and promote traditional Hakka industries and techniques.

Urban disaster prevention

11.27 Comprehensive River Basin Management Plan

Diversified management of the entire river basin

Taoyuan City promotes comprehensive management and management of the entire river basin for the upper, middle, and lower reaches of the river, using diversified methods such as flood diversion, flood reduction, and flood detention, and conducts a comprehensive inspection and analysis of river and regional drainage.

- Based on the geology, hydrology, human environment of the catchment area, and the causes of previous floods, the city has formulated the best flood prevention and mitigation plan.
- Reviewed the existing flood transmission capacity of bridges, to establish relevant water data.
- Improve the benefits of subsequent governance and management work, and protect residents from flooding threats.

Implementation effectiveness

At present, all 9 major rivers in Taoyuan City have completed their treatment plans, designated land use limits, and completed the announcement procedures. There are 44 regional drainage lines. Three trunk sewer lines were completed in 2018 and two trunk sewer lines were completed in 2019.

11.28 Landslide prevention training and drill

Disaster prevention and rescue in Taiwan is divided into a three-level disaster prevention system: the central government, municipalities or counties or cities, and township. In order to improve the effectiveness of disaster prevention and rescue and implement the three-level disaster prevention mechanism, Taoyuan City has been handling landslide prevention since 2004, and counseling disaster prevention communities to improve the handling of landslide prevention and rescue. The plan is to enhance the community's willingness and ability to prevent disasters, and strengthen the partnership between the city and the community in disaster prevention, preparation and response recovery, which will help improve the disaster prevention and rescue system and maximize the effectiveness of disaster prevention and response.

In 2018~2019, the City handled **10 course deductions** and **three field exercises** in disaster prevention communities of landslide prevention, with a total of **567 participants**. The people who participated expressed feedback that the deduction helped to enhance the community's disaster prevention capabilities and awareness.

11.29 Building base sharing storm runoff

Taoyuan City intends to create the first case in Taiwan, discussing an ordinance for incorporating private construction bases to share rainwater runoff in urban flood control. When the City plans to encourage the development of construction bases in the form of bulk rewards, in addition to setting up flood detention facilities in accordance with the regulations on outflow control, it also introduces roads and other related public facilities to withstand excessive rainstorms and temporarily stores them in the raft foundation. In addition, the plan will also integrate the monitoring of the IoT system, and the construction developers will also bear the responsibility of flood detention and water storage to improve the overall flood control capacity of Taoyuan City.

11.30 Improve home safety

Home fire alarm setting assistance

In order to prevent fire accidents and ensure the safety of people's lives and property, Taoyuan City promotes the installation of residential fire alarms to help people detect fires early, and promptly take measures such as firefighting or escape to avoid serious casualties. **From 2016 to the end of 2019, the rate of residential fire alarms has reached 80.82%, and there have been 77 cases where fire alarms have functioned without causing fire expansion or casualties.** Elderly people over 65 years old living alone, persons with disabilities, and low- and middle-income households are all listed as priority subsidies.

Gas heater relocation or replacement subsidy

Due to the humid and cold weather in Taiwan in winter, people often close doors and windows tightly; resulting in poor ventilation, and gas heater improper use or installation can easily cause carbon monoxide poisoning. In order to prevent poisoning accidents and ensure the safety of people's homes, Taoyuan City subsidizes the relocation or replacement costs of gas heaters for houses that are improperly installed and may cause carbon monoxide poisoning. The city provides a maximum subsidy of **3,000 NTD** per household for ordinary households and a maximum subsidy of **12,000 NTD** per household for low- and middle-income households to reduce the financial burden of disadvantaged groups and allow people of disadvantaged groups to have a safe home environment. **In 2019, a total of 610 general households and 191 low- and middle-income households were subsidized, and four large-scale publicity activities** were carried out to enhance people's awareness of home safety and disaster prevention.

Reduce environmental pollution

11.31 Comprehensive Air Quality Management Plan

Clean air is one of the necessary conditions for human survival. With the development of industry and transportation, the problem of air pollution has become increasingly serious. In order to ensure air quality, Taoyuan City promotes various control plans for major air pollution sources, and grasps and updates environmental load and pollution emission data, analyzes air quality monitoring data and explores the causes of daily pollution of air quality adverse events, and air quality deterioration events, reporting it immediately and taking contingency measures.

Major manufacturers reduction negotiations

1.Factory reduction negotiation

In terms of fixed pollution sources, the eight factories with large pollutant emissions have been negotiated for reductions, and air quality will be improved by switching to low-polluting fuels, updating control equipment and adjusting operating conditions. Among them, the Datan Power Plant is expected to reduce nitrogen oxides of 2401 metric tons in 2022.

2.Switch to better coal fuel

For the four factories that use a large amount of raw coal, they coordinated with the use of better coal fuels during the seasons of poor air quality.

Promote green energy vehicles

1. Promote low-polluting vehicles

In terms of mobile pollution sources, in order to reduce the pollution emissions of two-stroke motorcycles, and actively promote the use of low-polluting vehicles, **Taoyuan City has more than 70,000 electric vehicles, ranking first in Taiwan**, and promotes green energy vehicles such as electric buses and public bicycles.

2. Promote motorless blood donation vehicles

In view of the fact that traditional blood donation vehicles use fuel engines to supply electricity, Taoyuan City refers to the international "green port" policy and promotes environmentally friendly motorless blood donation vehicles. They use external power sources and are moved by trailers. They have no power engines and no exhaust gas. The dedicated parking area for environmental protection blood donation vehicles with power supply can effectively reduce air pollution and environmental burden. At present, dedicated parking areas for environmental protection blood donation vehicles are set up in **five densely populated areas**.

Smart monitoring and identify air pollution areas

In order to avoid industrial impacts, Taoyuan City took the lead in cooperating with the Environmental Protection Department of the Executive Yuan to trial the deployment of 100 air quality sensors in the Guanyin Industrial Zone in 2017. Due to good results, Taoyuan City deployed air quality sensors in industrial areas, and **1,000 air quality sensors were deployed in total**.

1. Intelligent analysis of pollution sources

The plan is to conduct real-time monitoring of air quality in the industrial zone and its surrounding areas, and use the intelligent analysis of the Internet of Things to identify suspicious pollution sources. Combined with the wisdom of Taoyuan City Pollution Monitoring Center to dispatch quick inspections, it will help to deal with air quality abnormalities and complaints in real time.

2. Control the construction sites

In terms of construction sites, we use smart technology to monitor, install air boxes and CCTV to monitor the compliance rate of pollution prevention by vehicles entering and exiting high-pollution sites, and use aerial cameras to grasp the overall picture of construction sites, improve exposed areas and material stacking dust, and **reduce PM10 emissions up to 4,280 metric tons**.





11.32 Taoyuan International Airport Aviation Noise Control and Compensation and Feedback

Taoyuan International Airport is the gateway for Taiwan to connect with the world. However, the noise pollution caused by flight take-off and landing operations also seriously affects the life of people in the vicinity of the airport.

Conduct aviation noise monitoring

Taoyuan City conducts aviation noise monitoring in school rooms within the aviation noise prevention zone to reduce the impact of aviation noise on the environment and maintain the tranquility of the surrounding living environment.

Promote aviation noise compensation and rebate subsidies

Taoyuan City actively promotes aviation noise compensation and rebate subsidies, based on the principle of open and transparent immediate compensation and special funds for local feedback. The City promotes the participatory budget of the Airport Rebate Fund. The use of funds is mainly for public welfare, grassroots construction, residents' medical and health expenses, free nutritious lunches for elementary schools and kindergartens, and community cultural activities in various districts, so that Taoyuan International Airport and surrounding communities can coexist and prosper together.

11.33 General waste disposal

Full garbage recycling

Taoyuan City uses huge garbage recycling, resource garbage recycling, food waste recycling, garbage incineration and garbage sanitary burial, etc., to effectively and properly dispose of general waste, improve the total recycling of garbage, and achieve the goal of sustainable Taoyuan. **In 2019, the proper disposal rate of general waste was 90.15%.**

Promote reuse of public waste landfills

The plan for the activation and reuse of public waste landfills was promoted, and combustibles, incombustibles, and humus soil were distinguished and removed to increase the landfill capacity.

Set up storage-type resource recycling plants

The City has set up storage-type resource recycling plants to reduce pollution problems such as waste water, bad odors, and bio-gas.

Replant and transform into an environmentally friendly park

It has also replanted and transformed into an environmentally friendly park to provide residents with leisure activities and achieve carbon reduction benefits.

Turn garbage into biomass energy

Taoyuan City promotes the conversion of waste treatment facilities into biomass energy by adopting a circular economy and waste recycling policy to achieve waste reduction (goal 7).

Waste recycling reduction

The City also promotes industrial waste energy conservation, waste reduction, and energy resource utilization, encourages all citizens to participate in resource recycling, and value-added programs for waste bottles, and promotes waste recycling and reduction (Goal 12).

11.34 Transformation of funeral facilities

With the change of the times, funeral methods have gradually shifted from traditional burials to tree burials, sea burials and other natural and environmentally friendly burial methods, so that the ashes of the deceased can return to nature, in line with the international trend of sustainable development of natural environment and ecology.

Promote natural and environmentally friendly burial method

Taoyuan City has promoted the natural and environmentally friendly burial method in stages. In the short term, the area of traditional cemeteries has been gradually reduced by promoting cemetery-based burials and encouraging cremation to replace burials. **The cemetery area was reduced from 249 hectares in 2012 to 234 hectares in 2018.** The City has long promoted natural and environmentally friendly burial methods such as tree burial and sea burial, and promoted the beautification of cemeteries. At present, three **tree burial areas** are set up. It is estimated that the number of tree burials will reach **800 per year** by 2030.

Promote modern and humanized funeral facilities

It also adopts a phased and zoning approach to promote modern and humanized funeral facilities, focusing on items such as sound insulation, air quality monitoring, environmentally friendly materials, digital displays and energy consumption, and replacing cremation stoves to improve cremation efficiency and avoid air pollution.

Green public space

11.35 Development and expansion of park and green spaces

In addition to providing space for citizens' leisure activities to promote physical and mental health, parks and green spaces also have functions such as beautifying the city, adjusting the climate, and environmental education.

Improve park fragmentation

Taoyuan City uses the strategies of land space review, pond and green space linkage to improve the fragmentation of park and green space, and connect blue and green to construct a pond-based Taoyuan green space system to respond to climate change.

Create inclusive playground

At the same time, in order to make the park more lively and interesting, Taoyuan City has adopted "freedom", "characteristics", "naturalization", "safety", "fairness" and "challenges" as the core goal of the field since 2015. In accordance with the UNICEF Convention on the Rights of the Child, it emphasizes importance to children's "right to survival and development," "right to protection," and "right to participate," so that children can coexist and prosper with others (groups) and nature. In order to create a playground that can be used by different age groups and people with varying levels of physical and mental disabilities, Taoyuan City will set the theme of the park with the characteristics of existing areas, landforms, and facilities, such as ecological parks and riverside parks. At least two inclusive parks shall be constructed in each administrative district to increase the utilization rate of citizens, while planning the neighborhood satellite-type playground and the city's flagship playground.

Implementation effectiveness

In 2019, Taoyuan City had **3.16 hectares** of green space resources per 10,000 people, with a total of **746 parks**, of which **364 have playgrounds and already opened**, and another **45** inclusive or characteristic playgrounds were opened or are under construction.

11.36 Green Environment Construction Project of Riverside Land

Riverside green planning and construction

In order to increase the rate of urban green coverage and protect the natural ecology, Taoyuan City adopted ecologically-based and safety-oriented engineering methods when handling river improvement projects. The city takes into consideration the construction of the surrounding environment of the river, and plans to set up green space in the riverside area to provide people with water and recreational space and enhance urban green space. At present, **the cumulative area of river bank greening under the jurisdiction of Taoyuan City is approximately 30 hectares.**

1.Dahan Creek Shanzhuhu Ecological Park

The Shanzhuhu Ecopark will become a new cross-domain highlight of the Dahan Creek and an important field for lifelong learning in northern Taiwan. In conjunction with the bicycle loop system on the left and right banks of the Dahan Creek, the park is equipped with wetland water resources circulation systems, leaves compost areas, ecological viewing roads and other facilities, showing the characteristics of environmental friendliness and respect for the natural recycling economy. The park adopts participatory operation and management, and maintains the ecological environment through the participation of related groups and private forces.

2.Yuemei Constructed Wetland Ecological Park

It uses the node space next to the Daxi Wetland to integrate the river steps and the rocky landscape as the overall style. The existing slopes are preserved under the premise of low interference and the principle of minimizing construction. The road connects the environmental education corridor from Daxi Old Street to Shan-chu Lake; the park provides comprehensive service facilities to achieve a balance between human activities and the natural environment. In addition to providing a wetland environmental education experience field, it also creates an area for local residents' Green public space to stroll and rest.

11.37 Hiking trail renovation

Taoyuan City uses hiking trail renovation to improve tourist routes and scenic facilities to encourage people to get close to nature.

Hutou Mountain

The city has positioned Hutou Mountain as a low-density development of a metropolitan ecological park, planning three major climbing systems. The area has completed the layout of two trails in 2019, and continues to plan other trails. The age friendly trail in Hutou Mountain adopts a stepless design, the slope road is spacious and easily accessible, even for wheelchairs and strollers, and the elevated timber trestle method is adopted to protect the natural habitat of animals and plants from damage.

Cihu

In order to improve the quality of sightseeing and recreation in Cihu, pavement improvements were made at the entrance and nodes of the trail and recreational and shade facilities were added along the route. The trails in Qiancihu and Houcihu take history and ecology as their main axis, increasing the characteristics and depth of the scenic spots, reducing the height difference of the trails, and providing a safe and comfortable walking space for all ages.

Xiaowulai

Improvement of the plank road of the Xiaowulai Trail and stabilization of the side slope are carried out, so that the public can feel the beauty of the natural valley and enjoy the forest Fendo in a safe environment.

Implementation effectiveness

From 2017 to 2019, the total length of the trail was approximately 5,500 meters



Linking urban and rural development

11.38 Inclusive national spatial plan

In order to respond to climate change, ensure national security, conserve the natural environment and human assets, promote the rational allocation of resources and industries, strengthen the national land integration management mechanism, restore environmentally sensitive and land-damaged areas, and pursue national sustainable development, Taiwan announced in 2016 Implement the National Spatial Planning Act and transform the current regional planning system into a national spatial planning system in three stages before April 30, 2025.

Re-division of the municipality

In accordance with the guidance of the Spatial Planning Act, Taoyuan City has re-divided the city's jurisdiction into four functional areas, including land conservation areas, marine resources areas, agricultural development areas, and urban and rural development areas, into 19 categories. The plan can guide the city's land use, and clearly define areas to be protected and future development areas, and formulate a growth management plan for sequential development and use. At present, the spatial planning draft of Taoyuan City has entered the planning review stage.

National spatial plan draft content

According to the spatial planning draft of Taoyuan City, it is estimated that the total population of Taoyuan City will be 2.5 million in the target year (2036), and 557 hectares of residential and commercial land will be required. Based on the concept of transportation-oriented (TOD) planning, urban planning agricultural areas will be released in due course. The land for industrial development still needs to be 2,335 hectares, and 1,232 hectares of industrial development areas are reserved; 3,487 hectares are clearly defined for the guidance of illegal factory settlements, and the land for legal use is guided in an orderly manner; 96% of the 30,800 hectares available for grain production are classified as easily maintained farmland which maintains food production functions.

Smart governance

11.39 Citizen Card Integration Service

Functions

In order to enhance citizens' sense of identity and allow citizens to experience the convenience of smart life, Taoyuan City has launched an integrated citizen card. The integrated citizen card has functions such as transportation tickets, public services, multi-card integration, activity points, consumer discounts, and multiple vehicles. The content of the citizen card covers food, clothing, housing, transportation, education, entertainment and other aspects, and three major application functions such as bonus points, digital payment, and electronic stamp are planned.

- **Bonus points** can increase the frequent use of citizen cards.
- **Digital payment** can expand the consumer application field.
- **Electronic stamp** can provide discounts, form a mutually beneficial cycle of consumers, merchants, and Taoyuan City.

The preferential cycle will enable the application and promotion of citizen cards to move towards sustainable operation and meet the needs of citizens for smart life. It is expected that the number of service experienced will reach **50%** of citizen card holders in 2030.

Use scope and qualifications

The use of citizen cards has gradually expanded from Taoyuan City to other cities in Taiwan. In addition to Taoyuan citizens, foreign spouses of citizens and students from colleges and universities in Taoyuan City can also apply. **As of 2019, more than 50% of citizens have had citizen cards (more than 1.5 million cards)**, and in the next 10 years (until 2030), with the diversified integration of card services, it is expected that **80%** of residents in Taoyuan City will hold a citizen card, which will closely links the daily life of citizens with the citizen card.

11.40 Data Exploration and Analysis Platform

Taoyuan City uses the "Data Exploration and Analysis Platform" to collect business data and data from various agencies, which are not only disclosed to the public, but also used for management decision-making and improving municipal services. The "Smart Operations Management and Big Data Analysis Platform" has functions such as municipal dashboards, statistical quick reports, data analysis theme cases, and data exchange API applications, which is beneficial to grasp the trend of data changes and data sharing, and assist municipal management and decision-making.



11.41 Environmental Information and Pollution Warning Monitoring

E-action dispatch

Taoyuan City has 29 industrial zones and more than 10,000 factories. In order to avoid environmental pollution caused by industries, Taoyuan City has established the GPS satellite monitoring system which is used to dispatch the nearest inspection vehicle group, allowing **95% of the cases to be handled within 4 hours.**

Establish a major case task force

Establish a platform for the Environmental Inspection, Police and Maritime Alliance, set up a project to conduct 24-hour raids on air, water, waste and soil. Through a comprehensive early warning system and a comprehensive E-based inspection method, the company will strengthen its active early warning capabilities for environmental pollution incidents, and strive to create the goal of a 4-hour inspection circle.

Build a water quality monitoring station

The system integrates air quality, water quality, industrial waste management, case management, general monitoring, pollution source control system, map platform system, inspection dispatch system and GIS geographic information, and uses scientific instruments and equipment to assist pollution early warning through 8 water quality monitoring stations. It is hoped that Taoyuan City's ability to respond to pollution incidents can be strengthened, for early judgments and rapid solutions.



Ensure sustainable consumption and production patterns.

Taoyuan City introduces the concept of circular economy into consumption and production models, reduces general waste and business waste, promotes resource recovery and energy recycling, and increases the value of resource reuse, so as to achieve the effect of energy saving and carbon reduction, and implement sustainable development.

Promote energy saving and waste reduction

12.1 Industrial waste energy saving, waste reduction and energy recycling promotion plan

Industrial waste recycling

Taoyuan City has reduced the proportion of incineration and landfilling of industrial waste year by year through policies such as the recycling of waste energy, the promotion of Taoyuan and the environmental protection industry upgrade, and the promotion of high-calorific value RDF of industrial waste as fuel. It also guides various environmental protection industries to enter, and recycles business waste into resources and energy. **In 2019, the rate of industrial waste energy recycling reached over 85%.**

Fuel conversion technology

Through the evaluation of waste treatment institutions, the City effectively counsels and upgrades treatment technology to build environmentally friendly green urban factories. The city also assisted the establishment of RDF manufacturing and co-generation plants to convert waste into RDF fuel, thermal energy combustion of wastes into electricity and steam recovery, and improve energy efficiency, which can save biomass fuel consumption and reduce costs, and achieve energy savings. **In 2019, the annual usage of high calorific value RDF reached 1,600 metric tons.**

12.2 Resource recycle plan

Encourage waste classification

In order to achieve the purpose of improving resource recycling efficiency and reducing waste, Taoyuan City encourages all citizens to participate in resource recycling through feedback, advocacy and guidance, and encourages citizens to implement waste classification. The city also organizes resource recycling competitions, supplemented by convenient recycling channels, combined with the Taoyuan City Citizen Card to provide value-added feedback. **The resource recovery rate in 2019 reached 59.88%, ranking top 2 among the six municipalities.**





Resource recycle

to build a sustainable and beautiful utopia.

12.3 Production value plan for marine waste bottles

Regeneration of marine waste bottles

In beach cleaning activities, PET bottles and plastic products account for a high proportion of marine waste. Therefore, Taoyuan City will transport the PET bottles cleaned up during the beach cleaning activities to the recycling manufacturers for processing and making into sportswear and other related environmental protection products. This plan not only gives second life to discarded PET bottles, achieves the mitigation of marine waste and creates economic value, but also promotes a green economy and protects the marine ecological environment. **In 2019, the value-added output value of marine waste bottles totaled 150 million NTD.**

12.4 Use recycling aggregates in road engineering

Industrial furnace slag removal problem

Taiwan's iron and steel industry produces about 21 million metric tons of steel each year, resulting in about three million metric tons of slag during the production process. The inability to decontaminate the slag makes the iron and steel industry likely to be forced to reduce production, which will also affect important industries in other countries such as the electronics industry and the automobile industry. In addition, Taiwan's annual road repair projects will produce at least 3 million metric tons (about 300,000 metric tons in Taoyuan City) of asphalt concrete material. However, existing regulations stipulate that only 40% of asphalt concrete aggregate can be added for road repair, and 60% cannot be eliminated. Although the volume of civil waste can be reduced after incineration, if the bottom slag of incineration is not removed, it will cause the problem of disposal and storage space.

Industrial waste recycling

In order to effectively solve the above problems, **Taoyuan City used new construction methods to convert it into usable materials**, convert slag into new asphalt concrete materials, and apply asphalt concrete aggregate to new roads as base materials. This regulation can greatly reduce river sand and sea sand digging, reduce engineering costs, solve industrial problems, protect the ecological environment, and achieve the goal of sustainable development.

Specify construction specifications

The construction specifications set by the city are widely used in public projects, including roads in industrial areas, annual road projects and roads in Taoyuan Aerotropolis.

Implementation effectiveness

Since 2018, Taoyuan City has applied asphalt concrete aggregate to public projects that require sub-grade improvement, and incineration recycled aggregate has been applied to soil stabilization projects for bases and road beds. **Until July 2020 , the use of ballast oxide aggregate was about 10,784 metric tons, the use of asphalt concrete aggregate was about 27,780 metric tons, and the use of incineration recycled aggregate was about 28,797 metric tons.**

12.5 Subsidies to the livestock farm pollution prevention and control

Pollution prevention subsidy

In order to enable farmers to take into account environmental hygiene and reduce pollutants when operating livestock businesses, Taoyuan City subsidizes farmers to update or purchase pollution prevention facilities, deodorizing equipment, energy-saving and carbon-reducing production equipment, so as to reduce farmers' purchase costs and increase farmers' income, and reduce the impact on the living environment of nearby residents. In addition, in order to promote the upgrade of the livestock industry, subsidies for the construction of modern equipment can reduce waste and pollution emissions, provide power generation for livestock farms, and achieve the goal of a sustainable circular economy. **Since 2019, 201 livestock farms have been subsidized, with a subsidy of approximately 10.63 million.**

12.6 Reuse of property

Online auction trading platform

Due to the rapid replacement of home appliances and information products, many wastes are generated, and many discarded home appliances contain substances that are harmful to the ozone layer. In order to avoid environmental damage and promote the reuse of resources, various institutions and schools in Taoyuan City use the online auction trading platform to auction the properties that have reached the end of their lifetime and do not meet the use efficiency, but still have other reuse efficiency. **From 2011 to 2019, the total number of auction transactions has exceeded 24,142, and the total transaction value has exceeded 61.46 million NTD.** The auction performance has grown year by year, effectively achieving resource recycling.

12.7 Green Procurement Promotion

Promote Green Mark

Taoyuan City promotes green living and green consumption, and teaches people to give priority to purchasing products with environmental protection labels that are "recyclable, low pollution, and resource saving" in their daily lives. In accordance with relevant autonomous regulations, the government checks, counsels, and assists listed companies to declare green procurement amounts in the Taoyuan Citizen Enterprise and Green Group Procurement Declaration System. **In 2019, 256 private, group and community organizations declared green procurement amounts totaling 3.7 billion.** Taoyuan City also promotes green procurement in its government agencies at all levels. **In the designated procurement projects of government agencies, the total purchase amount of Green Mark products accounted for 98.33% of the total purchase amount.**

Cultivate the awareness of sustainable development

12.8 Taoyuan Agriculture Expo

From 2017 to 2019, Taoyuan City held an agricultural expo every year, combining low-carbon construction, green life, scientific and technological agriculture, circular economy and ecological thinking curation, so that the public can understand the development and progress of agriculture and also recognize Xin-Wu. During the exhibition period, **six coastal eco-tours** will be launched, connecting the agricultural expo, surrounding scenic spots, leisure farms and local delicacies with ecological guided tours of special landscapes. In addition to shaping the charm of the place and enhancing the visibility of the industry, handling the Expo will also help raise public awareness of ecological conservation. Starting with 2020, the Agricultural Expo base will be transformed into a normal environmental education base, which can be used as a basis for sustainable development, to develop environmental education programs (goal 4), sightseeing, promote local culture and production (goal 8).

12.9 Encourage youth to invest in placemaking

Taoyuan City encourages youth self-organized action teams to care about local issues and invest in the sustainable development of local affairs. This plan uses specific measures such as advocacy meetings, workshops, and training camps to support youth action teams to take root in communities and tribes, and link the real estate industry and universities to implement placemaking. This plan can strengthen the interaction of youth action teams and enhance related knowledge, and guide youth action teams to solve social problems in an economic and sustainable manner, and gradually mature to establish social enterprises. In 2019, the city coached 11 groups of youth action teams, with more than 10,000 participants, and used different forms of activities to arouse youth's recognition and care for their hometown, culture, and natural environment, and to move toward the goal of sustainability.





Take urgent action to combat climate change and its impacts.

Taoyuan City is facing the issue of climate change together with the world. As a citizen of the Earth, the city has started by implementing energy conservation and carbon reduction, and has taken actions to strengthen the City's climate adjustment and disaster prevention capabilities. Taoyuan City not only promotes low-carbon and sustainable activities, cultivates environmental education volunteers, but also participates in various international organization meetings, declarations and actions, exposing basic emission information on international platforms, and participating in international competitions and case publications.

Climate change measures

13.1 Low-Carbon Green City Project

Taoyuan City is the city with the fastest population growth in Taiwan and the city with the highest industrial output value. Population growth, urban and industrial development will all have a certain impact on the natural environment. How to maintain good environmental quality so that citizens can live comfortably is the original intention of Taoyuan City to promote a low-carbon green city.

In Taoyuan City, industrial energy emissions account for 68% of greenhouse gas emissions, followed by transportation energy accounting for 13%. Taoyuan City has achieved its carbon reduction goals through long-term implementation of greenhouse gas control plans and continuous tracking of carbon emissions.

Implementation process

- After the implementation of **the GHGs Emission Reduction and Management Act** in 2015, Taoyuan City began to list and check greenhouse gas emitters.
- In 2016, Taoyuan City began to implement the **Development of a Low-Carbon Green City Plan**.
- In 2017,
 - (1) the **Taoyuan City Development Low-Carbon Green City Autonomy Ordinance** was implemented, making it the third city in Taiwan to implement the low-carbon autonomy law
 - (2) the **Taoyuan City Development Low-Carbon Green City Promotion Group** was established to promote and coordinate related work. Its group work includes mitigation and adjustment aspects to promote low-carbon green energy industry, create a low-carbon livable environment and implement a low-carbon life pace.

- (3) Starting from 2019, the **Taoyuan City Greenhouse Gas Control Implementation Plan** is adopted to establish various phases of greenhouse gas reduction policies and promote specific action plans.

13.2 Climate Change Coping and Low-Carbon Sustainability Plan

Taoyuan City's climate change adaptation plan is divided into eight major areas: disasters, life-sustaining infrastructure, water resources, land use, coasts, energy supply and industry, agricultural production and biodiversity, and health. The city proposes 23 adaptation strategies and 50 projects.

Disaster warning information systems

The plan is to accelerate the integration of national land monitoring resources and disaster warning information systems and the establishment of platforms to strengthen the ability to respond to the impact of climate change.

Response to extreme climate

The city promotes the governance of the entire river basin, improves the function of drainage facilities, reduces climate risks, and strengthens the ability to respond to extreme weather events through disaster prevention education and the establishment of autonomous disaster prevention communities.

Soil and water conservation monitoring

In rural areas, with landslide potential rivers and severely collapsed areas as the base, environmentally sensitive areas are regularly inspected and confirmed, and then included in land change planning and control.

Land Use Zoning

Comprehensive review of urban planning takes into account climate change, disaster characteristics, and potential and appropriate adjustments to land use zoning and control. The city announced the division of river regions, zoning to improve river area control, and improve flood control management efficiency and adjustment capabilities.

Water resources protection

The plan takes the sustainable management and utilization of water resources as the highest guiding principle, and emphasizes importance to water environmental protection, strengthening the early warning and monitoring of industrial areas, key river basins, sensitive locations and high-risk businesses within the city, and the intensity of inspections.

Marine ecological conservation

The City drafted the **White Paper on Coastal Ecological Protection in Taoyuan City** to restrict development activities and prevent marine pollution, protect sensitive natural ecology, and implement coastal algae conservation work.

Build a sponge city

In 2019, the **Green Sponge Adjustment Plan** gave priority to dealing with the impact of extreme rainfall events and high temperatures in urban areas. Through citizen participation and planning, low-impact development is promoted, hoping to achieve water reuse and water conservation, micro-detention basin, environmental education and other functions.

13.3 Water retention on green transportation roads

Permeable pavement

Taoyuan City uses permeable pavement design when improving old sidewalks or bicycle lanes to allow rainwater to penetrate into the soil to achieve water retention. For example, the sidewalk is replaced with permeable pavement, and through the connection of planting green belts, rainwater is directed into side trenches and green belts to reduce the urban heat island effect.

Flood mitigation facilities

Taoyuan City piloted the installation of flood mitigation facilities under the roads, using porous asphalt concrete (PAC) pavement and permeable pavement sidewalks to help build resilient roads and reduce the probability of road flooding. The plan also incorporates the concept of circular economy, the eco-friendly permeable brick paving method, and the design of resource recycling and reuse.



13.4 Fenghe Disaster Prevention Park

With recreational and disaster prevention functions

The design of Fenghe Park took into account the needs of regional drainage and flood detention, and designed it with base water retention and storage techniques to retain the characteristics of the water canal landscape and create a space with both citizens' sports and leisure activities and disaster prevention functions. **The first park in Taiwan that is positioned as a disaster prevention and refuge function at the planning stage.** The flood detention pond in the park covers an area of 12,691 square meters (approximately 28% of the park area), which provides leisure and recreation at ordinary times, and detains flood water during heavy rains. The design is based on the frequency of 1 heavy rain in 10 years, and the designed flood detention capacity is 57,804 square meters. Fenghe Park Disaster Prevention Management Center is a green building that has **obtained Taiwan's "Diamond Class" certification.**

13.5 Agricultural disaster prevention

Agricultural disaster prevention

Under the influence of climatic changes, the incidence of various animal and plant diseases and pest infestation will increase accordingly. If an animal or plant disease occurs, it will affect the production, and marketing of agriculture, forestry, fishery and animal husbandry, causing economic shocks and triggering public health issues for human health maintenance. Taoyuan City handles cold disasters, floods and droughts, forest fires, animal and plant epidemics, and other planning operations, such as preparation, response and recovery, to slow down or alleviate various types of agricultural disasters, avoid interruption or shortage of food supply, and ensure the fastest recovery of supply after the disaster. Cases about resilient agricultural production methods such as the Grand Granary Project (Goal 2).

Agricultural insurance

Since 2015, Taoyuan City has cooperated with the agricultural insurance policy of the Agricultural Committee of the Executive Yuan to provide agricultural insurance. Insurance can reduce farmers' losses due to natural disasters and maintain stable income, and reduce farmers' risks. **The Agriculture Committee of the Executive Yuan subsidizes half of the insurance premium, farmers pay 10%, and Taoyuan City subsidizes 40%.**

Disaster warning and response

13.6 Smart Disaster Prevention Water Regime System

Water regime monitoring network

Taoyuan City is committed to improving the effectiveness of flooding and disaster prevention. **Since 2015, 74 gauging stations, 28 observation-stations, 150 sewer monitor stations and 155 flooded monitor stations have been completed.** The city establishes a dense sensor network to grasp first-hand information, and uses information technology to integrate water regime data from all walks of life, develop a water regime disaster prevention information system, to look into every disaster prevention and response link, and accelerate disaster prevention and response.

Real-time disaster prevention and monitoring information

The city has simultaneously developed a hydrological information network and APP to provide people with real-time disaster prevention and monitoring information, so as to autonomously avoid, reduce, and prevent disasters.

- The system won the "2017 Smart City Innovation Application Award" in the field of smart disaster prevention. It participated in the Global City Teams Challenge Expo (GCTC) at the Washington Convention Center in August 2017, and received attention from smart city teams from various countries and the media in Washington.
- Since 2018, a comprehensive water regime monitoring network has been established, with sewer monitoring stations, road flooding monitoring stations, and junction cameras, combined with remote water gate control and artificial intelligence flooding forecasts, to create an Internet of things for water regime disaster prevention monitoring throughout the river basin, which has greatly improved disaster prevention and response effectiveness.

13.7 New era of smart disaster “Mobile Dispatch 119”

In the past, firefighters needed to carry various rescue maps and emergency response manuals when they go to the scene for disaster relief. After arriving at the scene, they must read the floor plan of the building and the distribution map of the fire water source, and sometimes they also need to consult the material safety data sheet and other hazard identification materials. It takes a lot of time to verify relevant information, resulting in inefficient disaster relief.

New changes in firefighting and disaster relief

Taoyuan City developed the **Mobile Dispatch 119** APP in 2013, using cloud information platform and IoT for firefighting and disaster relief.

Advantages of Smart Technology

First-line relief workers can query relevant information in real time through tablets, mobile phones or computers, replacing all the paper data used in disaster relief work in the past, and improving the shortcomings of time-consuming and paper-wasting paper-based queries.

Complete database

It has real-time information of disaster relief related units, including maps and climate information such as life-sustaining pipelines, road excavation sites, helicopter landing sites and other information. This system allows firefighters to grasp on-site information before arriving at the disaster relief site, which can improve rescue efficiency, reduce lives and property casualties, and provide greater protection for disaster relief personnel's safety.

13.8 Communication platform for disaster prevention and relief operations in Fuxing District

Disaster Prevention and Relief Action Communication Platform

Taoyuan City has worked hand in hand with the National Communications Commission and Chunghwa Telecom and other five major telecommunications companies to plan and build 10 "4G Disaster Prevention and Relief Action Communication Platform" in Fuxing District. The purpose is to prevent the telecommunications base station from shutting down due to power outages during typhoons and heavy rain seasons, which will increase the difficulty of disaster prevention and relief in the back-mountain area. Except for the Shangbaling tribe, the other 9 sites have been completed. In addition, an uninterruptible power supply system for seven base stations has been built to enhance the power of autonomous disaster relief in the back mountain and greatly improve the efficiency of disaster prevention and disaster rescue and recovery.

13.9 Disaster prevention education

Multiple interactive education

In order to strengthen the public's awareness of disaster prevention, increase disaster risk awareness, and enhance disaster response capabilities, Taoyuan City promotes disaster prevention education with a lively and diverse interactive experience, so that people of all ages can understand easily.

Education combined with technology

The Taoyuan Disaster Education Center is an experience center focusing on smart technology and disaster prevention education. The disaster prevention education provided in the museum covers a wide range of fields, including earth sciences, urban planning, and risk assessment. Because the fields are wide and the information is quite complex, interactive technology is used to explain disaster prevention knowledge in a simple way, so that the public can learn about preventive actions and act immediately to stay away from disasters.

Diverse exhibition areas

The Taoyuan Disaster Education Center takes this as its original intention to develop experience content that combines technology, entertainment and education, and provides free viewing services for the public. There are 5 major exhibition areas in the museum, including natural disasters, prevention and response, fire, safe home, and fire fighters. The main highlights include children's AR painted fire truck, CPR+AR teaching, home safety puzzle solving, VR fire extinguishing experience, smoke experience room and six-axis earthquake platform, etc., focusing on the actual operation experience of the public and learning disaster prevention concepts through interaction.

13.10 Campus waters safety advocacy

School water safety publicity

In order to reduce drowning accidents, Taoyuan City handles school water safety publicity, deepening the concept of education on drowning prevention, and enhancing teachers and students' self-rescue ability. The content of the course includes learning about water area safety knowledge and water area rescue knowledge such as water floatation device creation, shore rescue drills, life-saving equipment operation, environmental assessment and warning signs.

13.11 Disaster Resistant Community

Strengthen disaster resistant and relief

Taoyuan City has strengthened community measures to "resist, avoid, and reduce disasters" so that citizens can be familiar with disaster prevention and relief information to facilitate "self-help and mutual rescue" when disasters occur. In addition to quick evacuation and low disaster casualties, it can quickly and promote reconstruction to develop a safe and sustainable community, achieve the establishment and implementation of the concept of disaster prevention for the people, and reduce the impact of flood disasters on people's lives.

Implementation effectiveness

Since 2015, Taoyuan City has actively promoted disaster resistant community education, flood prevention drills, and introduced enterprise cooperation and various innovations. Among them, Shulin, Guanyin District, has been certified by the international safe community. The community independently built a lotus detention pond of about 7 hectares, which can accumulate 3,000 tons of water in an hour, and the effective storage capacity is about 63,000 tons. It is an disaster resistant community model.

13.12 Low-Carbon Sustainable Demonstration Community

Low-Carbon Sustainable Homeland Plan

Taoyuan City has been promoting the Low-Carbon Sustainable Homeland Plan since 2013, subsidizing low-carbon homeland and neighbourhood subsidies. It is hoped that community residents can jointly implement energy conservation and carbon reduction through community building methods and develop new local environmental protection highlights. Taoyuan City's Low-Carbon Sustainability Demonstration Communities include 6 Taoyuan District Zhongsheng Village, Yangmei District Xiucai Village, Zhongli District Jinhua Village, Guishan District Zhongxing Village, Longtan District Kaoyuan Village, and Pingzhen District Guangxing Village, etc. The main action projects is divided into 6 categories: green energy saving, green transportation, low-carbon life, ecological greening, sustainable operation, and resource recycling.





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

Taoyuan City has important and precious resources such as algae reefs, wetlands, stone weirs, and sand dunes. The coastline extends from Luzhu District in the north to Xinwu District in the south. The total coastline length is 46.3 kilometers. On March 15, 2018, Taoyuan City established Taiwan's first coastal management office – Office of Coast Administration Construction. Citizens work together to maintain the sustainable development of the oceans and coasts.

Prevent marine pollution

14.1 Coastal Environmental Monitoring Technology Center and Water Quality Automatic Continuous Monitoring

Scientific monitoring and establishment of marine environment database

Taoyuan City pioneered the establishment of a coastal environmental monitoring technology center in the country to cooperate with continuous automatic monitoring stations for coastal water quality to continuously monitor physical, chemical, and biological environmental factors on the coast. The center builds a coastal environment database to predict the trend of environmental changes. If abnormalities occur, it can be used as a response command center for marine pollution emergencies, shortening the response time, and monitoring data can also provide a basis for major development plan review and coastal management policy formulation.

14.2 Coast Patrol Team

Government and private cooperation

The coastline of Taoyuan City is 46 kilometers long, and it is difficult to rely on the government to maintain it. In order to maintain the beautiful coast, volunteers are recruited to set up a coast patrol team.

Task force

At present, Coast Patrol Team has established 15 teams with 20-60 people each. The total volunteer's number is 546.

- The **Coast Patrol Team** will be responsible for the coastal environment.
- The **Water Environment Patrol Team** will be responsible for the river environment.
- The **Environmental Protection Team** will be responsible for floating garbage clean up.
- The **Environmental Diving Team** is responsible for clearing the seabed of garbage through underwater operations.

Coast Patrol Team will work with the Water Environment Patrol Team and the Environmental Protection Team to protect Taoyuan's water resources, and work together to contribute to the next generation of water resources.

Protect coastal ecology

14.3 Coastal environmental education

Taoyuan City has four major ecological highlights: Guanxin Algal Reef, Xucuogang Wetland, Xinwu Stone Weirs, and Caota Sand Dunes. The city promotes environmental education and eco-tourism through the establishment of coastal environmental education venues.

Algal reef ecological environment classroom

The algal reef ecological environment classroom has been opened in 2019, promoting algal reef ecological education through physical observation, sensory experience, and multimedia interaction. The city takes the development of eco-tourism as a means and implements environmental education as the goal, and actively integrates environmental education professional manpower, curriculum programs, and management. The city is also the first to guide local communities to participate in the operation and

management of coastal venues and facilities, to promote the development of local communities, and to create a new bright spot that combines eco-tourism and environmental education, so that tourists can understand the natural ecology and make the environment sustainable.

Implementation effectiveness

1.Guided tour

The algal reef ecological environment classroom conducted **50 guided tour**, with 30 coastal ecological guides, and **4,900 visits** in 2019.

2.Promote community development

It works with the Yongxing Community Development Association of Xinwu District to promote the operation and management of the algae reef ecological environment classroom, and promote the development of local communities.

3.Activity subsidy

Subsidies were provided to local schools and organizations in Taoyuan City to participate in environmental education activities, with **2,791 participants**.

4.Guide training

A total of **38 people** have taken training courses for coastal ecological guides and obtained the certificate of reserve staff for coastal ecological guides.

14.4 Xucugang Wetland conservation

Promotes the overall construction of the ecological landscape of the important wetland

Xucugang Wetland was designated as an important national wetland in February 2015, accounting for 32% of the 560 bird species in Taiwan, with a coastline of 10.5 kilometers, and was rated as an important wild bird habitat by BirdLife International. Taoyuan City, based on the principle of not changing topography and landforms, promotes the overall construction of the ecological landscape of the important wetland in Xucugang, strengthens wetland conservation, carries out water purification, and combines environmental education and leisure and recreation facilities to promote eco-tourism and strive to build a world-class "Water Bird Paradise".

The conservation and utilization of the wetland was implemented in three stages.

The first stage: ecological restoration

The city expands the water area and uses natural tides to introduce seawater to create a habitat suitable for waterbirds such as freshwater sandbar wetlands. Based on the principle of not interfering with existing living creatures, the City will gradually carry out ecological restoration.

The second stage: environmental education

Through the overall construction of ecological landscapes, environmental education displays and explanations are provided, which includes wetland parks, bicycle lane extensions, etc., to avoid build excessive artificial facilities.

The third stage: eco-tourism

With the water bird paradise as the call, an environmental education and tourist service center will be set up to promote a series of bird watching activities to create added value for ecological tourism and promote the sustainable development of the coastal economy.

Implementation effectiveness

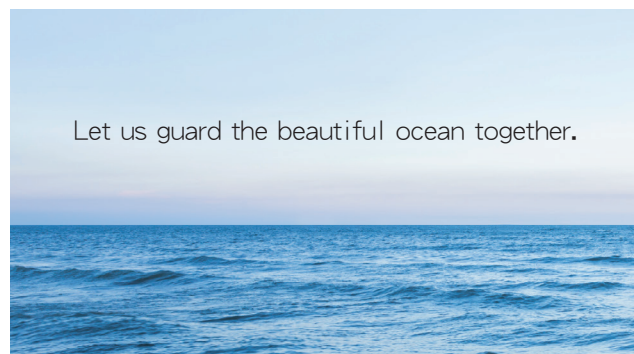
At present, about **22 hectares** have finished restorations in the first stage, and detailed designs have been completed in the second and third stages. After restorations, the numbers of some bird species have increased significantly.

14.5 Xinwu Stone Weirs preservation

Preservation meaning

Xinwu Stone Weirs is mainly distributed to the south of Yongan fish harbor. Early fishermen used large-scale pebbles in the intertidal zone to block the retreat of the fish at low tide, and then used the traditional method of tethering to catch fish. It is estimated that it has a history of more than 300 years.

Let us guard the beautiful ocean together.



Preservation and sustainable development plan

Taoyuan City registered the well-preserved stone weirs as a cultural landscape in 2019 (goal 11), actively promoted the **Xinwu Stone Weirs preservation and sustainable development plan**, and commissioned the Taoyuan Stone Weirs Association and Xinwu District Love Township Association to repair the stone weirs. The city also organizes the Xinwu Stone Weirs international exchange seminar, invites experts to participate and exchange experience, and also opens up public experience activities.

14.6 Caota Sand Dunes natural landscape management

Caota Sand Dunes completed the site survey and public hearing in 2018 in accordance with the Cultural Heritage Preservation Act procedures. It was reviewed by the Taoyuan City Natural Landscape and Natural Monuments Review Committee in 2019 and passed the review on March 10, 2020. The resolution designated Caota Sand Dune as a geological park in Taoyuan City, and announced it as the municipal geological park on June 11 of the same year. The "Chaoyin Sea Viewing Trail" at Chaoyin North Road in Dayuan was completed in March 2020 and opened on June 16th of the same year. The Caota Sand Dunes Geological Park covers an area of about 284 hectares and is divided into three areas: core area, rehabilitation area, and general area. Taoyuan City conducts the management, maintenance and monitoring of the topography and landform of Caota Sand Dune Geopark, and combines local groups, experts, scholars and related units to establish a joint participation platform to promote local participation.

14.7 Drift net fishery transition

Implementation effectiveness

In order to strengthen the conservation and restoration of coastal habitat ecology and sustainable utilization of fishery resources, Taoyuan City has promoted drift net fishery transition measures to reduce the number of drift net fishery fishing vessels. **In 2018, it has assisted 45 drift net fishery fishing vessels to transition.**

Taoyuan City also announced the restrictions on the drift net fishery restricted fishing zone in 2017, stipulating that drift net fishery fishing vessels are prohibited from entering Taoyuan City within 3 miles of the shore from June 1 to August 31 each year. Violators will be fined in accordance with the Fisheries Act.

14.8 Eel larvae fishing plan

Rareness and conservation of eel seedlings

The eel larvae caught off the coast of Taiwan are mainly Japanese eels, which are migratory fish species. The fishing of eel larvae from October to the end of April of the following year is an important economic source for coastal fishermen to maintain their livelihoods in winter. Affected by global climate change and overfishing, eel larvae are decreasing year by year. In order to take into account the livelihoods of fishermen and the sustainability of the fishery environment and resources, the Council of Agriculture, Executive Yuan announced relevant regulations in 2013 that the fishing of eel larvae is prohibited from March 1 to October 31 each year, so that eel larvae has sufficient time for upstream migration and growth.





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

In order to protect the terrestrial ecology, Taoyuan City uses rural land use control inspections and mountain forest patrols to prevent improper development of forests and mountain slopes. It also promotes afforestation, Taipei frog habitat restoration, environmental education and other methods to curb the loss of biodiversity and promote biodiversity values.

15.1 Regulations on Non-urban Land Use Control

Protect the land for sustainable development

About 75% of the land in Taoyuan City is non-urban land, of which specific agricultural areas, forest areas and hillside conservation areas account for about 80%. Taoyuan City compiles land use categories in accordance with the Spatial Planning Act, Regional Planning Act and Regulations on Non-urban Land Use Control. The City protects the core high-quality agricultural production environment through non-urban land use control, maintains the function of forests to conserve water sources, restricts the development of environmentally sensitive areas to reduce the threat of natural disasters, prevent permanent damage to the land and biodiversity loss, and enable the sustainable development of the terrestrial ecological environment.

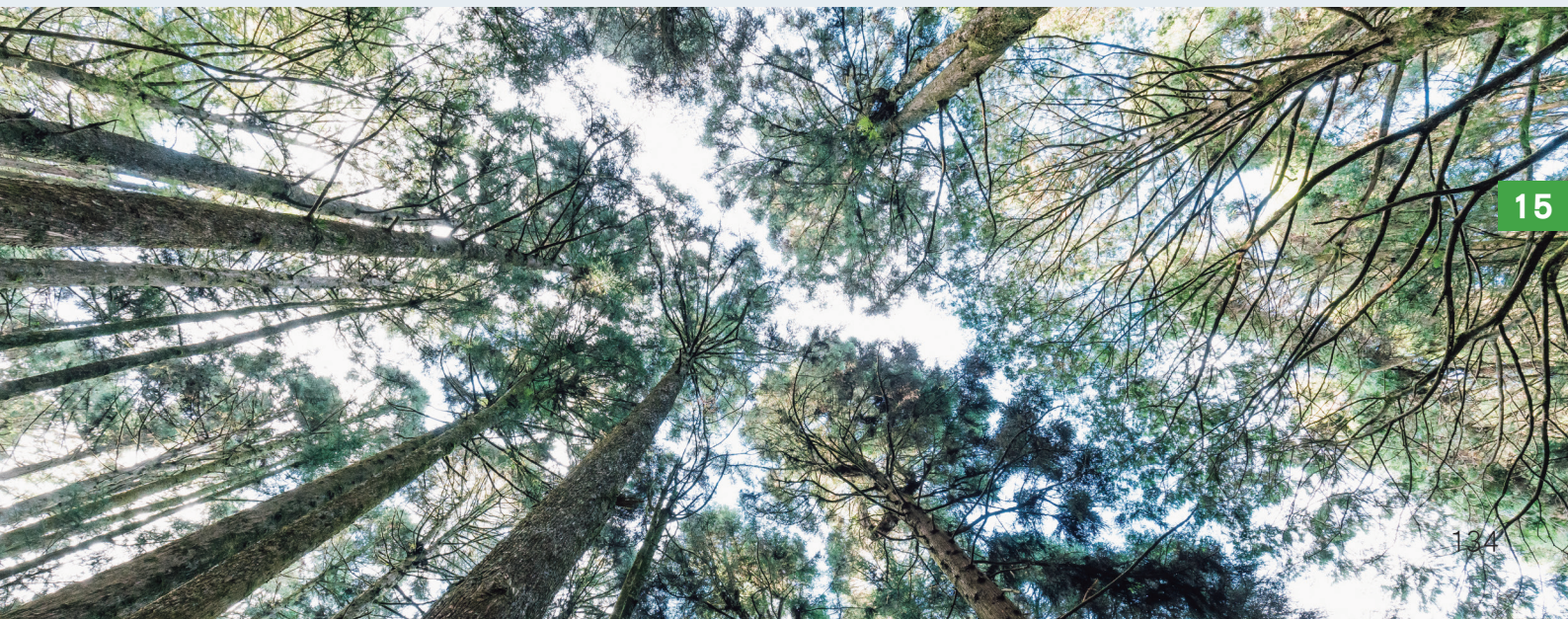
15.2 Forest patrol team

Government and private cooperation

In order to encourage people to get close to nature, Taoyuan City promotes the renovation and maintenance of the hiking trail (goal 11), and establishes a forest patrol team to combine private resources to help protect the forest resources. The forest patrol team is divided into "hillside patrol team" and "trail patrol team".

- The **hillside patrol team** has 62 volunteers who are responsible for patrolling hillsides.
- The **trail patrol team** has 6 teams with 112 volunteers who are responsible for patrolling trails.

This plan protects precious mountain forest resources from damage through the cooperation of citizens, so that the forest environment can maintain sustainable development.



15.3 Afforestation plan

Environmental conservation

In response to energy conservation and carbon reduction, creating a green energy and low-carbon leisure space, responding to local environmental and ecological issues, and enhancing public environmental awareness and living quality, Taoyuan City promoted the concept of hillside conservation and water resources education through afforestation activities, and led the citizens to grow trees together, implement afforestation on flat ground and green beautification policies.

Implementation effectiveness

1.Afforestation

Taoyuan City has carried out about **8 hectares** on the coast of Luzhu District and the highway bicycle lane in Dayuan District.

2.Green tunnels, coastal afforestation

The city carried out about **4.5 hectares** in places such as Dayuan and Xinwu District. **A total of 150 arbor plants, 30,000 shrub plants and 16,000 nursery stock plants were planted.**

3.Environmental beautification

The City carried out about **3 hectares. A total of 13,000 arbor and shrubs were planted** in 6 locations including the Xikou tribe in Fuxing District and the Lotus Season venue in Guanyin District.

Invite citizens to plant trees together

Taoyuan City uses the Arbor Day event in March every year to plant seedlings and distribute saplings free of charge to enhance the city's biodiversity and make citizens value environmental and ecological awareness.

15.4 Guishan Nursery Green Environment Ecological Park

Environment and life education

Taoyuan City promotes landscape renovation in Guishan Nursery, combined with the overall planning of Hutou Mountain Scenic Area as a forest park, and applies for environmental education facility site certification. Through environmental education experience, the public can understand the interdependence of humans and the environment.

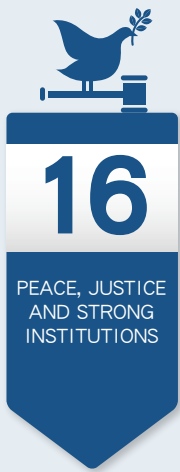
Cultivate seedlings and promote planting

Taoyuan City cultivates high-quality afforestation seedlings in Guishan Nursery, and distribute free seedlings to citizens, communities and schools for planting from the end of November to December each year to increase green space. **From 2015 to 2019, the cumulative number of seedlings distributed reached 720,000.**

15.5 Taipei Frog restoration in Gaorong Wildlife Sanctuary

Taoyuan Gaorong Wildlife Sanctuary covers an area of about 1.11 hectares, which is the smallest wildlife sanctuary in Taiwan. The second-class precious conservation wild animal "Taipei Frog" lives in the area. Taoyuan City continues to improve the habitat environment, remove carnivorous fish in the pool, conduct patrols in conjunction with local community development associations, and promote local residents to develop non-toxic agriculture, change farming habits, and create an environment suitable for the growth and reproduction of Taipei frogs. In Taoyuan Gaorong Wildlife Sanctuary, environmental and agricultural education is also promoted through exploration, experience and knowledge (Goal 2).





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

In order to provide citizens with a peaceful living environment, Taoyuan City uses smart technology to assist law enforcement, strengthen social security, and establish fair judicial channels to protect citizens' lives and property safety and related rights and interests. With the rise of democratic awareness and rapid information dissemination, the public is paying more attention to government governance and their own rights. Taoyuan City is committed to creating an efficient, responsible, transparent, and open government that responds to public opinion through open information and citizen participation.

Prevent violent crime

16.1 Comprehensive surveillance video system

Taoyuan City has vast territory, diverse population, frequent flow, and also rapid changes in the social environment, gangsters and criminal tactics have increased. In order to maintain public order, Taoyuan City has established a comprehensive surveillance and recording system at various public security points, traffic arteries, and important intersections.

High density

A total of **20,106** cameras have been built, and it is expected that the total number of cameras will reach **21,356** by the end of 2020.

High intelligence

The smart application functions of the camera include license plate recognition, vehicle trajectory query, real-time warning of specific targets, intelligent vehicle image analysis, etc.

High efficiency

There are 10,584 cameras with license plate recognition function, accounting for **52.64%** of the total number of cameras, which effectively enhances the efficiency of case investigations, and improves the case-solving efficiency of the police.

16.2 Comprehensive inspection of illegal firearms

Taoyuan City through a comprehensive inspection and punishment of illegal firearms, actively sweeps gun manufacturing sites, dismantles illegally remodeled factories, blocks sources of foreign firearms, investigates fugitives involved in guns, quickly detects shootings, prevents gang members from holding guns, and prevents violent cases. **In 2019, a total of 162 long and short guns, 1,591 bullets, and 3 shooting cases were detected.**

16.3 Eliminating Gangs

Taoyuan City has stepped up investigations and evidence collections against gang groups or violent criminal groups, and continued to expand temporary inspections and administrative joint inspections in the way of "tracing upwards and rooting down." The plan can strengthen the strike force and block the economic source of gangs.

Implementation effectiveness

In 2019, the city implemented four national raids against gangsters and one self-organized raid on gangsters in Taoyuan. A total of 28 targets and 149 related accomplices were investigated. 37 modified pistols, 685 bullets, and 1,836.1 various drugs were seized. The city also seized criminal cash (illegal proceeds) of 15 million NTD, and other exhibits, and seized 67 criminal suspects of various types.

16.4 Handling of street fights

For street fighting incidents, the city adopts pre-prevention, immediate elimination, file-building and other handling procedures, and grasp relevant information and resources in advance to prevent and deal with them immediately. During the incident, the city mobilized the strike force and quickly assembled a large number of superior police forces to immediately suppress street fights with coercive force. After the incident, a comprehensive inventory of the principals and relevant accomplices background information was conducted, the illegal organizations behind the scenes were cut off from the source, and street violence cases were strictly reduced.

16.5 Violence, major man-made security incidents or terrorist attack contingency

Low risk

According to the 2018 Global Terrorism Index report of the Institute of Economics and Peace, Taiwan ranked 99th out of 162 countries and was a low-risk country.

High defense

In order to prevent and respond to the harm caused by violence, major man-made security incidents or terrorist activities, and to maintain the normal functioning of the city and the stable life of the people, Taoyuan City integrated and coordinated relevant agencies (units) to handle various response actions. The city conducts exercises in vulnerable areas every year, and through usual exercises and drills to cultivate the cooperation and tacit understanding of relevant units and increase the ability to respond quickly to emergencies.



16.6 Youth counseling

Actively understand and effectively prevent

In order to prevent juvenile delinquency, Taoyuan City targets juveniles who require special care for those in the juvenile courts under its jurisdiction that do not pay trial or those who verbally admonishes them. The city takes the initiative to enter the community to understand the activities of young people and local problems, and integrate relevant local resources to prevent criminal behavior from occurring.

16.7 Community security conference

Build consensus among government and citizens

In order to increase civic cooperation, Taoyuan City has actively invited community residents, local public opinion representatives, opinion leaders, etc., to exchange opinions on various issues such as public security, transportation, disaster prevention, and protection of women and children. To build consensus, the police and the people work together to maintain community safety.

Fair judicial channels

16.8 Consumer dispute

Consumer protection needs

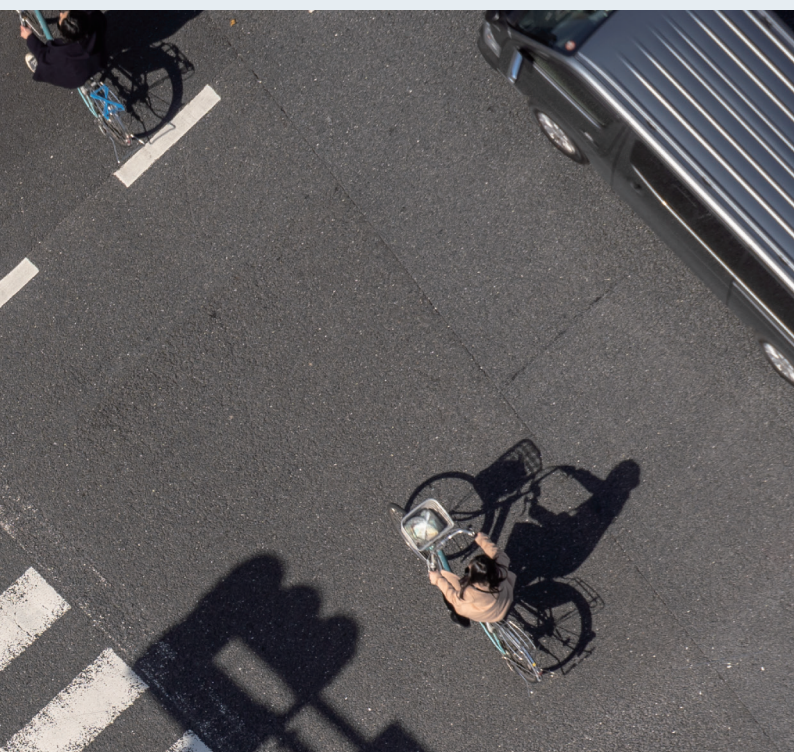
With the introduction of new business models, consumers who purchase goods or services without sufficient consumer information or adequate thinking often lead to consumer disputes. According to the Enforcement Rules of Consumer Protection Law, consumers and business operators can appeal to the consumer service centers of counties and cities if they have consumer disputes, and the consumer service centers will request the business operators to handle them appropriately in accordance with the procedures. If consumers believe that they have not been properly handled, they can appeal to the consumer protection officers of the counties and cities or apply for mediation, and the consumer protection officers or the county and city consumer dispute mediation committees will convene a negotiation or mediation meeting.

Consumer consulting

If the public has consumption problems, they can dial the 1950 national consumer service hotline for consultation. Consumer disputes can also be appealed to the Taoyuan City Government Consumer Service Center; the **Consumer Service Center accepts about 6,000 consumer dispute appeal cases each year.** The most frequent types of consumer disputes are houses, vehicles, communications and products such as apparels, leather goods, and shoes, etc.

Implementation effectiveness

The case provides legal advice and practical experience for both parties in the dispute to refer to and propose mutually acceptable solutions. Through the consumer dispute handling mechanism, disputes between consumers and business operators are quickly resolved, and labor costs for litigation procedures are avoided. **The overall response rate of consumer dispute complaints in Taoyuan City in 2019 was 79%,** which is expected to increase by 2% every year, so that citizens can maintain their consumer rights in a fair way for consumer complaints.



Actively promote and strengthen prevention

Taoyuan City actively promotes the mechanism for handling consumer disputes. In various promotional activities, it strengthens the promotion of the types of consumer disputes that are more likely to occur, reminds consumers to consume rationally and avoid disputes.

16.9 Strengthen the correctness of administrative sanctions

Public perception

Although the purpose of the appeal system is to provide the people with legal relief for illegal and improper administrative sanctions, the people also have to spend considerable time and physical effort, which often causes the people to complain and even give up their rights and benefits.

Review and strengthen

In order to ensure the protection of human rights, the Taoyuan City Government strengthened the accuracy of administrative sanctions by various agencies through the cultivation of legal concepts, provision of reference tools for administrative sanctions, and review of improper administrative sanctions before the administrative sanctions were made. The agency has committed illegal or improper administrative sanctions.

Implementation effectiveness

The Taoyuan City Government accepted **154** cases of administrative court judgments from 2015 to 2019. The number of appeal decisions and original sanctions that were upheld by the Administrative Court was **139**, and **the maintenance ratio was 90% and has been increasing year by year**. This shows that the Taoyuan City Government has strengthened its administrative sanctions by its agencies. The measures are effective, and the appeal decision and the administrative sanctions imposed by the agency are highly recognized.



16.10 Mediation mechanism

Mediation advantage

Regarding the handling of disputes over private rights of the people, in addition to filing a lawsuit in the court and resolving it by making a judgment, the public can also request mediation from the mediation committee set up in the district offices of the city in accordance with the mediation regulations of the township and city. Resolve disputes by methods other than litigation procedures; this is the so-called "Alternative Dispute Resolution" (ADR). Through the ADR procedure, both parties can propose mutually acceptable solutions, which can save time and money, and quickly achieving justice.

Mediation effectiveness

In 2019, the district offices of Taoyuan City conducted mediation through the Township and City Mediation Committee in a total of 10,952 cases, of which 8,600 were established, and the mediation rate was 78.5%.



16.11 Complaint review board for government procurement

Dispute mediation effectiveness

Regarding the handling of private rights disputes between manufacturers and agencies in government procurement, in addition to filing a lawsuit in the court, which will be resolved by the court as a judgment, they can also apply to the Mediation Committee for mediation as an alternative litigation method.

High acceptance rate

Taoyuan City Government's Complaint Review Board for Government Procurement was set up in 2016. **As of 2019, 112 procurement performance dispute mediation cases were accepted, 86 cases entered the process, 71 cases were established, and the establishment rate was 82.5%.**

16.12 Taxpayer rights protection

Taxpayers' rights protection action plan

The Taxpayer's Rights Protection Law came into effect on December 28, 2017. Taoyuan City actively implements relevant action plans to assist in resolving tax disputes and enhance the effectiveness of taxpayers' rights protection and lawsuit resolution.

Taxpayer protection officer obligations

The city takes the initiative to grasp the concerns of public opinion or the media, counsels taxpayers in a timely manner, and provides necessary assistance for long-pending people's complaints and review cases. When tax officials encounter tax disputes, they should take the initiative to inform the public that they can apply for assistance or make a notification. Through internal education and training and external taxation promotion, the public's awareness of the system will be enhanced and taxation rights will be protected.

Transparency system

16.13 Government Ethics Risk Management

Evaluate carefully

In order to build an integrity government, Taoyuan City filters and investigates major projects under management and procurement cases above a certain amount, establishes basic data, and screens out risk vendors and risk factors. The city conducts risk assessments, develops policy recommendations, provides reference and application for relevant agencies, and improves risk management. Through the cyclic operation of risk assessment, the manufacturer's risk information will continue to accumulate to form a database, which is provided for reference by various agencies to assist agencies in pros and cons, improve procurement quality, and continuously improve the quality of public projects.

Prevention and improvement

Taoyuan City selects relatively significant or structural high-risk businesses based on the individual circumstances of the agency and compiles an annual risk assessment report. The report will analyze whether the various implementation procedures involve obvious violations, and report to the head of the signing agency and immediately take improvement actions to avoid major omissions by the agency.

Retrial supervision and evidence search tracking

In response to the investigation results of public reports, investigations by higher-level agencies, or suspected cases involving corruption or administrative violations by agencies themselves, an annual special investigation plan is formulated. This plan can assist the agency to review the execution of malpractices and confirm whether the conduct of relevant personnel involves illegal or major violations.

Evidence investigation and track

With regard to the risk personnel listed in the report, cooperate with existing human and material resources to perform dynamic evidence collection in a timely manner, supplemented with irregular supervision and tracking of relevant situations, to avoid damages caused by the expansion of agency risks, and even to reduce morale.

Annual audit project

In response to the investigation results of public complaints, investigations by higher-level institutions, or suspected corruption and administrative violations by the agency itself, formulate an annual audit project to assist the agency to inspect situations that are prone to malfeasance, and confirm whether the actions of related personnel involve illegal or major violations.

Active ethic

Supervise and urge lower-level ethnic institutions to actively participate in agency procurement cases, if there is any doubt about the procurement procedure, the agency shall be reminded to deal with it properly; if unlawful information is discovered, report to judiciary with supporting information in a timely manner. Investigate those who are involved in corruption, illegality or administrative breaches in various investigations. If the person involved in the case is minor and has deep remorse after committing the crime, appropriate administrative measures or instigation to surrender will be adopted.



16.14 Open Data Platform

Data transparency and sharing value

Open government information is an advanced plan for open government information, which is a manifestation of the spirit of open government governance and governance transparency. Taoyuan City has established an Open Data Platform to provide information including traffic dynamics, public bicycles, etc., through the disclosure of data to make government administration transparent, and allows the public to make good use of government data for innovative value-added applications.

Compliance with OAS standards

In view of the fact that data standardization is beneficial to data sharing and application, and can reduce the difficulty of integration with other information systems, the "**Open API Specification**" (OAS) has been fully introduced. All web services on the platform have online technical documents that meet OAS standards for the public to read, making it more convenient and time-saving for the public to retrieve platform data, to improve the software development efficiency of Taoyuan City's data applications, and improve the usage rate of government data.

Implementation effectiveness

Taoyuan City officially launched the data sharing project in 2015 to develop and build an exclusive Open Data Platform to collect and aggregate open data from various agencies. As of the end of January 2020, a total of 1,339 data sets were shared, and more than 98% of the data reached the **three-star level** of the international open data quality standard. In the future, we will accumulate open data collection projects year by year, and continue to improve the quality of open data, and continue to participate in the government data open award program sponsored by the National Development Council to enhance the competitiveness of the city.

16.15 Smart tax customer service

AI smart customer service

In the era of mobile networks and smart cities, Taoyuan City develops AI smart services in order to provide people with instant, fast and personalized tax services. This service uses natural language analysis technology and professional knowledge management system, based on Smart Robot technology, to establish machine intelligence question and answer, combine with manual customer service system, and provide 24-hour remote service.

Easy to use

The public can use computers, smart phones, Kiosk and other devices to connect via the official website or LINE@ and other media, and use text, video or voice to consult or apply for various local tax issues.

High coverage

From its launch in November 2018 to the end of January 2020, iTaxi was used **13,688** times, **49,441** questions and answers, **48,273** iTaxi answers, and a coverage rate of **97.6%**.

16.16 Budget supports sustainable development

Taoyuan City has prioritized budget lines for various sustainable development projects, including education and culture, social welfare, and gender equality, and made the budget information public to enhance transparency in governance.

Proportion

- Taoyuan City's 2019 and 2020 education, science and culture expenditure budgets accounted for **38.92%** and **39.09%** of the total budget respectively.
- Social welfare expenditure budgets accounted for **14.73%** and **16.99%** of the total budget.
- Gender budgets were about 9.3 billion NTD and 10 billion NTD, both showing a growth trend.

16.17 Statistical analysis supports decision making

Accurate statistics

Taoyuan City uses statistical surveys and analysis as a reference for policy development and revision. For example, through the results of household income and expenditure surveys, it can grasp the income level, consumption and savings patterns and living conditions of households of each income class, and set minimums for social and political agencies important reference for living expenses and support litigation judgments.

Detailed analysis

The system can analyze the differences of different genders in economic, social, cultural, environmental and political structure and the causes of these phenomena, provide reference for decision-making, and achieve gender equality. The statistical survey data is open for public inquiry, so that the public can jointly review the performance of governance and implement a responsible and transparent system.

16.18 City council live online

Since 2014, the Taoyuan City Council has broadcast the council's situation on the website in real time and provided video files. The citizens can learn about Taoyuan City's policy directions and important issues by watching online live broadcasts or videos, and achieve the effect of supervising the City's governance.

Making decisions in response to public opinion

16.19 One-stop Window Petition integration service

Municipal mailbox accepts public opinion

In order to allow the public to express their opinions on public affairs and their own rights and interests at any time, **Taoyuan City designed a One-stop Window petition channel mailbox for the public to use in 2017. In 2019, nearly 200,000 cases were accepted.**

Feedback and diligence

The mailbox allows every citizen to put forward relevant suggestions on public affairs or issues to the business organizations that have participated. If the opinion is feasible in the law and administration, the agency will also refer to the improvement and reply to the public. If the public is not satisfied with the content of the agency's reply, Taoyuan City also stipulates that the agency's chief secretary or higher-level replies are required to show that it values the opinions of the public. In addition, in order to improve the allocation time of municipal mailbox cases, we will move toward automatic division in the future to improve administrative efficiency.



16.20 Promote participatory budget and other citizen participation methods

Implement citizen participation

Taoyuan City emphasizes great importance to citizen participation and implements it in its policy planning. In order to allow the people to express their needs, it handles various public hearings or briefings to understand the people's ideas and incorporate them into policy planning.

1. In 2015, the whole district of Aerotropolis held hearings

Through the discussion at the meeting, not only did the public fully express their opinions, explain the various disputes, but also let the public understand the overall development plan.

2. In 2017, the White Paper on Coastal Ecological Protection was released

Using the citizen cafe method to gather the opinions of various groups and people, and propose strategies for coastal ecological protection. Other important businesses, such as environmental assessment and preservation of cultural assets, also use information transparency and process openness to deepen citizen participation.

Participatory budget cases

1. "Taoyuan Airport Rebate Fund Participatory Budget"

It is the first case in Taiwan that uses rebate funds to introduce participatory budget. Nearly 4,000 people voted. The selected proposals include education environment improvement, sports ground restoration project, park greening, community care programs, etc.

2. Participatory Budget for Leisure and Recreation

Activities for Migrant Workers in Southeast Asia

There are about 110,000 migrant workers in Taoyuan, the largest number in Taiwan. Taoyuan City proposed the participatory budget in 2017, which was the first in the world to allow migrant workers to participate in public affairs discussions. This case overcomes the difficulties of language communication and conceptual explanation, allowing migrant workers of four different nationalities (Philippines, Vietnam, Thailand and Indonesia) to fully express their opinions and decide on the leisure and recreation projects they want. This case emphasizes great importance to the human rights of migrant workers and is friendly to migrant workers. **It was awarded the "Citizen Participation Best Practice Award" by the International Observatory on Participatory Democracy (IOPD), which is the first city in Asia to receive this honor.**

Enhancing public participation

With the rise of civic awareness, the public's willingness to participate in public affairs has become stronger and stronger. In 2016, the promotion of civic participation was strengthened, including participatory budgeting and participatory planning, so that the public can directly participate in policy planning. **From 2016 to 2019, there were 71 issues related to the people**, covering space improvement, community construction, social welfare, revitalization of the space under bridges, and use of reward funds. **The participatory budget amounted to 105.06 million NTD, and more than 64,400 people participated**, including the disabled, young people, migrant workers, women, school children and the general public.

Convenient online voting

In order to provide people with a more convenient way of participation and access to information, the online voting system of the National Development Council's "Public Policy Network Participation Platform" was introduced to make voting easier, and a Taoyuan citizen participation Facebook fan page was established to use internet social media to convey the message of citizen participation in Taoyuan City.





16.21 The Park Adaptability Development Council

Build consensus among citizens

In order to promote the appropriate development of the park, preserve the existing natural ecological environment and historical and cultural images of the park, and make the overall planning of the park meet the needs of local residents and local characteristics, Taoyuan City set up the Park Adaptability Development Council in 2019. In addition to representatives from agencies, it also includes experts, scholars and representatives of civic groups, whose backgrounds include landscape, architecture, ecology, planting, playground, child development, physical disabilities, special education, and other fields, to build consensus and participate in the park renovation of Taoyuan City.

16.22 Administrative Community Empowerment

Promote community empowerment

Taoyuan City has established an Administrative Community Empowerment office in 2018, and integrates various community creation resources in Taoyuan City through the Community Empowerment Promotion Committee. By counseling the district office and combining the spirit of civic deliberation, it becomes a regional community empowerment center and a local knowledge learning center, counseling and training communities nearby, and demonstrate the effectiveness of regional governance.

16.23 Promote youth citizen participation

Establishment of the Youth Advisory Committee

Taoyuan City has established a Youth Advisory Committee to provide a platform for youth policy advice, collect and understand youth opinions, analyze issues of concern to youths, and put forward policies and suggestions to promote various youth development issues.

Establishment of a self-governing university organization

In addition, through the establishment of a self-governing university organization, and communication with students in the self-governing organizations in colleges and universities, it supports young students to promote various social participation and public issues participation activities.

Training to improve democratic literacy

In order to encourage young people in Taoyuan City to understand the connotation of local public affairs and improve their public participation ability, the city has cultivated civic awareness and host skills through deliberation-style democratic training courses.

16.24 Established Taoyuan City Indigenous Peoples Development Committee

Indigenous policy guarantee

In 2016, Taoyuan City formulated the Taoyuan City Indigenous Peoples Development and Guarantee Autonomy Regulations, based on which the Indigenous Peoples Development Committee was established, and a total of 21 representatives of various ethnic groups, experts and scholars were convened to make policy recommendations and consultations on various issues of indigenous peoples. This plan allows representatives of indigenous peoples of all ethnic groups to have a fair opportunity to put forward policy suggestions and promote the exchange of opinions and consensus among all ethnic groups.



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

Taoyuan City actively joins international organizations, participates in international conferences and competitions, and cooperates with international countries to promote sustainable development. Taoyuan City also actively promotes voluntary services, supports non-profit organizations and promotes community building, and builds citizen partnerships.

Promote sustainable development with international cooperation

17.1 Join the international organization

Join international organizations for cooperation

Taoyuan City joined **CityNet** in 2020. By joining international organizations, striving for international organizations to establish bases in Taoyuan City and holding international conferences, Taoyuan City will increase cooperations and exchanges with international city organizations and share experience in urban governance. Taoyuan City is also a member of the following international organizations:

- **Sister Cities International (SCI)**
- **Intelligent Community Forum (ICF)**
- **Local Governments for Sustainability (ICLEI)**
- **Alliance for Healthy Cities (AFHC)**

Taoyuan City is also actively evaluating joining the **United Cities and Local Government (UCLG)**.

17.2 Promote the ecological logistics initiative project

Ecological Logistics Project Office

There are approximately 2,000 logistics companies in Taoyuan City, making it the largest logistics settlement in Taiwan. In recent years, the logistics industry has grown rapidly in Taoyuan and is also moving toward intelligence. In order to reduce the impact of air pollution, noise pollution, traffic congestion, waste, road depletion, and greenhouse gas emissions caused by the logistics economy, and alleviate the impact on the ecological environment, Taoyuan City has begun to promote ecological logistics. **In October 2019, it signed a contract with ICLEI- Local Governments for Sustainability and became the first chairman city of the ecological logistics community.** In March 2020, the "Ecological Logistics Project Office" was established to show the world the determination and achievements of ecological logistics.

Sustainable logistics industry planning

Taoyuan City will combine logistics management experience and technology to develop a people-oriented sustainable logistics industry. It is planned to promote warehousing and green buildings, packaging waste reduction and recycling, and smart warehousing, from the vehicles, routes, and smart traffic management of the entry of goods, and propose logistics solutions from the overall industrial chain.

Ecological logistics demonstration areas

Taoyuan City has selected **5 ecological logistics demonstration areas**, including the Airport Storage and Logistics Demonstration Zone, Shalun Green Storage Demonstration Zone, Qingpu Green Energy Logistics Settlement Demonstration Zone, Chunghwa Post Logistics and Hwaya Technology Park Demonstration Zone, and Daxi Old Street Shopping Area Demonstration Zone.

A new model of international exchange diplomacy

It will also work with ICLEI to develop ecological logistics certification indicators to provide global cities and enterprises with references when promoting ecological logistics. Taoyuan City plans to hold an international exchange forum. With ICLEI's vast network of 1,750 member cities worldwide, Taoyuan City's ecological logistics experience will be marketed globally, opening a new model of urban diplomacy.

Taoyuan exerts international influence through logistics industry.



Civil society partnership

17.3 Non-profit Organization Development Center

Establishment of development center

Non-profit organizations are the key to civil society and an important partner for the public sector to work together and support each other. Taoyuan City has established a non-profit organization development center to assist non-profit organizations to improve their self-management, attract social investments, cultivate more professionals, and attract more social resources to local organizations. In order to achieve the two goals of "**deepening civil society**" and "**cultivating diversified society**," Taoyuan City non-profit organizations were cultivated through operational support, tool application, and practical exchanges.

Operational support

The city will promote financial transparency for non-profit organizations by offering training courses and consulting services.

Tool application

This project provides training courses on digital tools such as video marketing skills, FB and Line@ community management skills, and enhances the visibility of non-profit organizations.

Practical communication

The course uses film issues as media to shape a soft environment and promote dialogue between the public sector and non-profit organizations.

Implementation effectiveness

As of 2019, there were a total of 366 non-business organizations and training groups. Non-profit organizations such as the Fengchami Agri-tourism Development Association and the Community Empowerment Sustainable Development Association, through workshop training, combined with local resources to carry out on-site implementation, actively encourage the community to interact with the masses, and promote non-profit organization services spirit, attract more social forces to participate and practice civil society.

17.4 Community Incubation Center

Establishment of incubation center

Taoyuan City has established the Incubation Center for Community Development, which handles community development training, and strengthens community management capabilities and stable development capabilities.

1. Counseling operation

The center will help Taoyuan City's community development associations to operate in a sound manner and reduce the rate of suspension of conference affairs.

2. Integration of resources

The center will assist in planning appropriate community development work and welfare community services, and integrate community resources for independent development.

3. Merit Competition

By counseling high-performing communities to participate in the community selection activities of the Ministry of Health and Welfare, the flagship community and the ability to participate in the selection of communities for sustainable operations are enhanced.

Implementation effectiveness

In 2019, the city counseled 60 communities and co-edited an e-book with the community with seven topics, including: community management, community work model, welfare communization, community resource integration and utilization, community industry and marketing, gender equality, etc.



17.5 Volunteer service promotion

Diverse volunteers create a positive Taoyuan City

The total number of volunteers in Taoyuan has exceeded 100,000, with nearly 1.58 million hours of volunteer service. The service types include environmental protection, social welfare, education services, transportation services and other diversified categories. Among them, **there are about 31,000 environmental protection volunteers and about 20,000 social welfare volunteers.** In addition, there are many other volunteer partners who assist the citizens from different levels and inject positive energy into Taoyuan.

Establish an integrated information platform

The "Taoyuan City Volunteer Service Integration Information Platform" established by the city provides systematic management tools for government agencies and private units. The service hours can be inquired through the system and **interfaced with the information system of the Ministry of Health and Welfare to achieve the convenience of information.**

Establish a promotion center

Taoyuan City established a volunteer service promotion center to act as a bridge between volunteers, organizations, communities and government departments. The city hopes that through the matching and training of the supply and demand of volunteer manpower, as well as the diversified counseling and advocacy of volunteer services, it can strengthen the operational energy of volunteer organizations.

17.6 Environmental Volunteer

Create a friendly and clean environment

Taoyuan City has been very effective in promoting environmental protection volunteer services. **There are nearly 500 environmental protection volunteer teams in its jurisdiction, with more than 31,000 people.** The promotion of environmental protection business in Taoyuan City requires the cooperation of environmental protection volunteers in environmental sanitation, pollution reporting, and environmental education. Citizens work together for the beautiful environment of Taoyuan City.

Environmental Cleanup Day

Starting from 2018, the second Saturday of each month has been designated as the "Taoyuan City Environmental Cleanup Day". In addition to calling on environmental protection volunteer teams to launch a general environmental clean-up, it also uses this to build consensus among citizens.

Educational training courses

Environmental protection volunteer education and training are carried out in March and April every year. A total of 4,508 people have completed the training, and online education and training courses have been continued.

Implementation effectiveness

In 2019, the environmental protection volunteer team worked a total of 3,348 times in teams, 165,739 times as individuals, and approximately 277,244 kilograms of garbage was collected. In addition, through interviews with excellent environmental protection volunteers in 12 districts, the results of the interviews on the mentality of volunteering are posted on the website to let the public understand the contribution of environmental protection volunteers.

Taoyuan City still has a water environment patrol team (Goal 6), a coastal patrol team (Goal 14), and mountain patrol volunteer team (Goal 15) to help maintain the beautiful natural environment of Taoyuan City.

17.7 Civil Defense Cooperation

Civil defense personnel training

In order to effectively use civilian power and demonstrate civil self-defense and self-rescue, Taoyuan City implements training for civil defense personnel every year. Civil defense personnel work for at least four hours per month, and assist in maintaining local public order, and in special circumstances to assist in traffic control and evacuation, rescue of major disasters, military services, etc., to ensure the safety of people's lives and property and national security. **In 2019, civil defense personnel assisted in solving 173 cases.**

Traffic Auxiliary Police support

Taoyuan City still has the Traffic Auxiliary Police, which assists in traffic diversion and maintenance of traffic safety (goal 3).

17.8 Mutual attention team and citizen patrols

Due to the development of industry and commerce and the rapid population growth in Taoyuan City, the police-to-civilian ratio is the second highest among municipalities, and the police workload is relatively heavy.

Security Patrol Team

In order to relieve the burden of the police and increase the public's awareness of actively participating in public affairs, Taoyuan City actively counsels the establishment of citizen patrols in various districts, arranges patrol duties for community public security hotspots, and assists in the order of various activities in the community and the maintenance of campus safety.

Duties and work projects

At the end of 2019, there were approximately **12,000 citizens in citizen patrols in Taoyuan City.** They assisted 62 schools in patrolling campus safety, and also assisted in maintaining order and traffic safety at major events such as the Taoyuan Agriculture Expo, Taoyuan Lantern Festival, and Landscape Arts Festival.



17.9 Encourage youths to participate in volunteer services

Promote sustainable development of volunteers

Taoyuan City encourages young people to use their knowledge and skills to participate in volunteer services, and use society as a field of lifelong learning for young people. The city hopes that young people, whether they devote themselves to urban and rural volunteer services, or cultivate international volunteer missions, can use public affairs as objects of lifelong learning experience. It is also expected that young people will acquire the necessary knowledge and skills in the process of participating in volunteer services to promote sustainable development.

Domestic volunteers

1.Organized themed camp

Taoyuan City organized a multi-themed camp for young volunteers such as animal protection, environmental maintenance, and offshore islands urban and rural services, bringing out the core value of volunteer services with a rich theme service experience.

2.Formulate administrative regulations

The city has also increased subsidies for promoting youth social participation, enhancing the energy of private volunteers and improving the volunteer service environment, and increasing citizens' willingness to participate in volunteer services.

3.Inspire enthusiasm

The city hopes to inspire youth's enthusiasm for serving the society and attract more young people to join the ranks of voluntary service.

Foreign volunteers

The city encourages young people to engage in overseas service camps or projects by subsidizing international volunteer teams. Combining with Taoyuan City's universities and colleges and private resources, we hope that young people can use their professional knowledge to cultivate their civic obligations and missions in the international society.

To help others is
the source of happiness.

Volunteer service is
a glorious thing.





4 The Way Forward

To promote sustainable development with SDGs as the goals

Taoyuán City will continue to work hard to use SDGs as a common language to deepen citizens' awareness of sustainable development and strengthen global partnerships so that the world can see Taoyuan City's efforts and results.

01 Policy results review

In 2020, Taoyuan City will complete the SDGs local voluntary inspection report. In the process of writing this report, through repeated planning and cross-organization communication and coordination, colleagues from all bureaus and institutions of the Taoyuan City government can brainstorm together. Through the process of preparing the report, the City re-examined and reflected on the core values of the policy plan and the degree of integration with the sustainable development goals, as the basis for the promotion of sustainable development in Taoyuan City, and also set measurement indicators for 2030 future expectations of the vision. Taoyuan City will use this report as a benchmark, continue to review the allocation of policies and resources, and make rolling revisions, adjust strategies in a timely manner, and update measurement indicators to meet the needs of future sustainable development, keep pace with the times, and meet the expectations of the public.

02 Share Taoyuan's experience with the world

Goal 17 of SDGs emphasizes global partnership and Taoyuan City has been actively participating in the international community, exchanging and sharing urban governance experiences with international cities. Taoyuan City has emerged in the areas of smart city and ecological logistics. For example, in 2019, it won the "Intelligent Community of the Year" by the Intelligent Community Forum (ICF), and signed a contract with ICLEI-Local Governments for Sustainability in the same year, becoming the first ecological logistics chairman city.

SDGs cover environmental, social, and economic aspects. Taoyuan City has also been effective in promoting health and age-friendliness, gender equality, ethnic integration, social business, citizen participation, green energy, low-carbon and other aspects, which are in line with SDGs. In the future, Taoyuan City will continue to emphasize importance to the exchange of sustainable development experience. In addition to participating in international conferences, Taoyuan City also hopes that Taoyuan City will host conferences on sustainable development issues and invite sister cities and international cities to Taoyuan City to discuss and learn.

03 Deepen citizens' awareness of sustainability

Sustainable development is a global issue that requires everyone's strength and participation. Although the concept of SDGs has been widely valued internationally, it has not yet been widely implemented in Taiwan. In order to fulfill the responsibilities of Earth citizens, it is necessary to strengthen citizens' awareness of SDGs. Taking this report as an opportunity, Taoyuan City will continue to promote the cognitive education of SDGs and popularize the concept of SDGs by combining materials such as websites and film announcements.

Taoyuan City will combine the policy with the results of this report to convey the concept of sustainable development to the citizens in a timely manner to increase the public's recognition of SDGs. And through cooperation with companies, schools, volunteers, and various civic groups, SDGs are thoroughly implemented in every corner of Taoyuan City.

Appendix 1 Evaluation index



01 Account opening rate of Children's Future Education and Development Account

= Number of Account Opening Applications / Qualified Persons

Account opening rate of qualified persons.

2019 Now = **50 %** ; 2030 Aim = **70 %**

02 Continuing deposit rate of Children's Future Education and Development Account

= The total number of deposit receipts and agreed deductions / The total number of payment receipts sent and agreed deductions

Continuous deposit rate after account opening.

2019 Now = **60 %** ; 2030 Aim = **75 %**

03 Coverage rate of care visits for disadvantaged families

= [Number of households visited by poverty and risk (disadvantaged) family care / Total number of poor, risk (disadvantaged) households]X100%

Note: Poverty refers to low-income, low-middle-income households, households under 6 years old, emergency relief, children's education development account, and work ability but not employed.

2019 Now = **85 %** ; 2030 Aim = **90 %**



04 Traceable verification area = Area of traceable verification

2019 Now = **605.87 hectare** ; 2030 Aim = **1,500 hectare**



05 Drunk driving accident rate = Number of accidents caused by drunk driving throughout the year / Total number of accidents throughout the year

Rate of road traffic accidents caused by drunk driving.

2019 Now = **0.8 %** ; 2030 Aim = **0.3 %**

06 Proportion of regular exercise population

= (Number of people who exercise regularly in a week /

Survey population of Taoyuan City)X100%

Investigate the proportion of the population of Taoyuan City over the age of 18 who exercise 3 times within a week.

2019 Now = **84.1 %** ; 2030 Aim = **88 %**

07 Traffic accident death rate per 100,000 people

= (Road traffic accident deaths / mid-period population) X 100,000

Number of people who died in traffic accidents per 100,000 population.

2019 Now = **4.5 %** ; 2030 Aim = **3.15 %**

08 Toxic air pollutants audit and control - Number of cases of tracking the flow of chemical substances

Abnormal upstream and downstream flow, according to the EPA output flow abnormal list.

2030 Aim = **460 cases**



09 Participants in lifelong learning at Indigenous Tribal Universities

The total number of participants in each course.

2019 Now = **1,012 person-times** ; 2030 Aim = **2,000 person-times**

10 Number of participants in the Career planning and exploration plan for elementary and junior high school students

Number of participants in technical education classes, pull-out technical education, technical education clubs, arts education and fun camp, vocational exploration center courses.

2019 Now = **16,000 person-times** ; 2030 Aim = **17,000 person-times**

11 Number of participants in lifelong learning

Number of participants in the Senior Citizens Learning Center.

2019 Now = **96,932 person-times** ; 2030 Aim = **150,000 person-times**

12 Number of digital talent training courses

Number of participants in digital talent development courses.

2019 Now = **985 person-times** ; 2030 Aim = **10,800 person-times**



13 Proportion of the Taoyuan City Government' s promotion of female

= The number of female officials in Taoyuan City government /

Total number of officials in Taoyuan City Government

Proportion of the Taoyuan City Government' s promotion of female (excluding police officers)

2019 Now = **31.66%** ; 2030 Aim = **34.67 %**

14 Number of participants in gender equality advocacy activities

Number of participants in various agencies handling gender equality advocacy activities, statistics on related activities conducted by the 32 bureaus and 13 district offices of Taoyuan City Government.

2019 Now = **800,000 person-times** ;

2030 Aim = **1800,000 person-times**

15 Promotion of Domestic Violence and Sexual Assault- participation in publicity activities that year

Annual number of publicities.

2019 Now = **35,000 person-times** ;

2030 Aim = **70,000 person-times**



16 Improvement rate of simple tap water system in indigenous areas

= Improve the number of simple tap water systems /
the number of existing simple tap water systems

Improve the simple tap water supply system in Fuxing District.

2019 Now = 44.9 % (49 stations in 2019) ; 2030 Aim = 100 %

17 Sewage treatment rate

= Population whose sewage has been treated / total population of Taoyuan City
The proportion of the population whose sewage has been treated.

2019 Now = 62.67 % ; 2030 Aim = 83.18 %

18 Average concentration of BOD in major rivers of Taoyuan City

= BOD concentration of each station / number of stations

Average concentration of BOD in major rivers in Taoyuan City

2019 Now = 9 mg/L ; 2030 Aim = 6 mg/L

19 The ratio of severely polluted length of river

= Seriously polluted river length / total river length

The ratio of the length of major rivers classified as severely polluted to the total length of the river (total length of the river is 209.7 km).

2019 Now = 7.04 % ; 2030 Aim = 0.5 %

20 Industrial wastewater recycling = Industrial wastewater recycling volume

Promote Industrial wastewater treatment technology, increase Industrial wastewater recycling, reduce wastewater discharge into rivers, and further improve river water quality.

2019 Now = 1,200 CMD ; 2030 Aim = 5,000 CMD



21 Cumulative power generation of renewable energy

= Solar power, wind power and water power average X cumulative installation capacity
Renewable energy (solar, wind and water power) cumulative power generation total.

2019 Now = 7.7 billion kWh ; 2030 Aim = 25 billion kWh

22 LED smart street light reinstallation plan-cumulative carbon reduction

Cumulative energy saved since the reinstallation in 2019 converted into carbon reduction, It is estimated to save 60,000 tons of carbon annually, which is equivalent to the carbon sequestration of 200 Daan Forest Parks.

2019 Now = 15,000 tons ; 2030 Aim = 615,000 tons

23 Electricity generated by general waste treatment facilities or photovoltaic systems = Generation power X generation hours

2019 Now = 2.7 billion kWh /year ; 2030 Aim = 5 billion kWh /year



24 Youth (15-29 years old) unemployment rate

= (Young unemployed / young labor force) X100%

Ratio of youth unemployed to youth labor force.

2019 Now = 8.09 %; 2030 Aim = 8.07 %

25 Post-training employment rate in Taoyuan Vocational Functional Training Center

= (Number of employees + number of early employment-number of public assistance) / (number of trainees + number of early employment-number of public assistance) X 100%

2019 Now = 75 %; 2030 Aim = 77 %

26 Middle-aged employment rate

= (Middle-aged employees / Middle-aged labor force) X100%

2019 Now = 96.9 %; 2030 Aim = 97.5 %

27 Employment rate of the vocational rehabilitation service for the disabled

= Employment of vocational rehabilitation /finish training of vocational rehabilitation services

2019 Now = 59.63 %; 2030 Aim = 70 %

28 Encourage youth to innovate and start businesses - number of social business teams coached

Provide 80 innovation and entrepreneurship coaching every year, Provide team and entrepreneurial coaching number.

2019 Now = 80 cumulative times; 2030 Aim = 880 cumulative times



29 Stormwater sewer implementation rate

Refers to the underground drainage trunk system dedicated to draining rainwater, the ratio of the planned trunk line's constructed length to the total planned trunk line length (excluding road side trenches).

2019 Now = 75.5 %; 2030 Aim = 81.41 %



30 Taoyuan MRT - Electricity saving ratio

= Total electricity consumption in 2017-total electricity consumption for the year

Electricity saving in the base year (2017) compared with the electricity consumption of the current year.

2019 Now = 7,250,000 kWh; 2030 Aim = 20,000,000 kWh

31 Taoyuan MRT Depot-Green (solar) power generation

= Set capacity (kWp) X annual average power generation (kWh/kWP)

Annual power generation of solar photovoltaic system on the roof of the depot.

2019 Now = 1,370,000 kWh/year; 2030 Aim = 10,000,000 kWh/year



32 Greenhouse gas emissions during the construction of the MRT Green Line

Quantify greenhouse gas emissions from MRT construction, the carbon emissions generated by engineering materials, material transportation, and construction equipment in the MRT project total about 580,000 tons, and the goal is to gradually reduce carbon emissions by 10% in the future.

2019 Now = <580,000 tons; 2030 Aim = <480,000 tons

33 Diverse social housing supply

The number of households providing multiple social housing in Taoyuan City (including social housing, lease management, and rent subsidies). The target of building 20,000 social housing from 2015 to 2022.

2019 Now = 16,549 households; 2030 Aim = 22,000 households

34 Number of public bike rentals = The total number of public bicycle rental rides from January to December of the current year

Number of public bicycle rental rides per year.

2019 Now = 11,620 thousand person-times;

2030 Aim = 14,000 thousand person-times

35 Annual public transport volume

Total traffic volume of urban buses and Taoyuan MRT of the current year.

2019 Now = 84,663 thousand person-times;

2030 Aim = 100,561 thousand person-times

36 Accessible bus ratio = Number of accessible buses / total number of buses

Ratio of accessible buses to total buses

2019 Now = 47 %; 2030 Aim = 70 %

37 Park green space per 10,000 population

= [Urban planning (park + green space + children's playground + square + other) land area + non-urban planning park area] / population of Taoyuan City

The park includes general parks, ecological parks, riverside parks, pond parks, sports parks, green belt parks, historical parks, and pet parks (*including internal and external statistics).

2019 Now = 3.16 hectares; 2030 Aim = 4.19 hectares

38 Concentration of fine particulate matter(PM_{2.5})

According to the EPA manual station monitoring average.

2019 Now = 15.1 µg/m³ ; 2030 Aim = 12 µg/m³

39 AQI >100 station days ratio = AQI>100 station days divided by total station days.

According to the average value of the monitoring station of the EPA,

2019 Now = 5.7 % ; 2030 Aim = 4.5 %

40 O₃ ≥ 86 ppb station days

= The maximum eight-hour average concentration of O₃ day ≥ 86 ppb station days

According to the average value of the general monitoring station of the EPA.

2019 Now = 9 stations; 2030 Aim = 3 stations

41 Cumulative area of activated and reused public landfills

Accumulate and sum up the area of activated and reused areas completed in each year, Taoyuan City's public waste landfill has actually completed the activation and reuse area.

2019 Now = 89.9 hectares; 2030 Aim = 130 hectares

42 Proper disposal rate of general waste

= General waste processing volume / (general waste generation + general waste temporary storage at the end of the previous period) X 100%

General waste can be properly processed through recycling, treatment, etc.

2019 Now = 90.15 %; 2030 Aim = 100 %

**43 Industrial waste energy recycling rate**

= [(Actual entrusted amount of processing and recycling institutions within Taoyuan City) / (Amount of entrusted processing by businesses within Taoyuan City)] X 100%

The recycling rate of industrial waste is increasing year by year.

2019 Now = >85 %; 2030 Aim = >90 %

44 Annual usage of high heating value RDF

High heating value RDF sales usage (including manufacturing).

2019 Now = 1,600 metric tons; 2030 Aim = 150,000 metric tons

45 High calorific value RDF treatment / Number of reutilization agencies and use agency counseling establishment

2019 Now = 2 agencies; 2030 Aim = 8 agencies

46 Resource recovery rate = Resource recovery / garbage generation

Strengthen resource recovery and increase recovery rate.

2019 Now = 59 %; 2030 Aim = 64 %



47 Cumulative number of visitors to Taoyuan Disaster Education Center

According to the statistics of the people flow calculation system of Taoyuan City Disaster Education Center.

2019 Now = 210,000 people; 2030 Aim = 1,224,000 people

48 Number of road flooding sensors built

Cumulative number of sensors built.

2019 Now = 243 pcs; 2030 Aim = 443 pcs



49 Xucuogang National Important Wetland restoration area

The total area of the Xucuogang Wetland Ecological restoration Project.

2030 Aim = 40 hectares

50 Total number of service hours of Coast Patrol volunteers during the year

= Total number of volunteers served X2 hours/time

The total service hours of volunteers from the Coast Patrol Team, Environmental Protection Team, and Environmental Diving Team to maintain the coastal environment.

2019 Now = 31,000 hours; 2030 Aim = 38,000 hours



51 Volunteer training sessions of the Forest Patrol Team

Annual volunteer training sessions.

2019 Now = 3 fields/year; 2030 Aim = 9 fields/year

52 Greening and afforestation area

3 hectares of afforestation area is expected to be planted annually, Coverage of vegetation and afforestation each year.

2019 Now = 8 hectares; 2030 Aim = 38 hectares

**53 Violent cases cracked rate**

= (Number of Violent Cases Cracked / Number of Violent Cases Occurred) X100%

Detection rate of violent cases in Taoyuan City.

2019 Now = 108 % (including the detection of unsolved cases in the previous period) ; 2030 Aim = 100 %

54 Crime population rate

= (Number of suspects in the current period / Population in the current period) X 100,000

Number of suspects per 100,000 population.

**2019 Now = 829.73 person/per 100,000 population;
2030 Aim = 803.74 person/per 100,000 population**

55 Number of participants in deliberative democracy cultivation

50 people are recruited each year to participate in the cultivation, participate in the training of civic awareness and host a series of skills courses.

2019 Now = 50 person-times; 2030 Aim = 600 person-times

**56 Number of international organizations that Taoyuan City has joined**

Taoyuan City currently joins 5 international organizations. The future target value is set based on the estimated growth trend of municipal development and administrative resources.

2019 Now = 5 organizations; 2030 Aim = 10 organizations

57 Number of volunteers in Taoyuan City Government

According to the semi-annual report of the number of volunteers and service achievements of various agencies of Taoyuan City Government.

2019 Now = 80,000 people; 2030 Aim = 120,000 people

58 Volunteer service hours of Taoyuan City government agencies

Service hours of Taoyuan City government agencies, according to the semi-annual report of the number of volunteers and service achievements of various agencies of Taoyuan City Government.

2019 Now = 1,600,000 hours; 2030 Aim = 2,400,000 hours

59 International youth volunteers

Number of international volunteer service counselors, counseling 160 people for international volunteer service every year.

2019 Now = 279 person-times; 2030 Aim = 2,039 person-times

Appendix 2

Project conversion table



Read-around:
Please scan for
the content of 169 targets



No Poverty

End poverty in all its forms everywhere.

01			
1.1	Social safety net	P.24	
	Corresponding Targets 1.3		
	Corresponding to other goals 3.7 、 3.d		
1.2	Micro-insurance and financial subsidies for disadvantaged groups	P.24	
	Corresponding Targets 1.3		
1.3	Children's Future Education and Development Account	P.25	
	Corresponding Targets 1.3 、 1.4		
1.4	Cable TV fee reduction for disadvantaged groups	P.25	
	Corresponding Targets 1.3 、 1.4		
1.5	Financial assistance for the elderly	P.25	
	Corresponding Targets 1.3		
1.6	Taoyuan City Citizen Card- the Elderly and Love Card	P.26	
	Corresponding Targets 1.3		
	Corresponding to other goals 3.d		
1.7	Social care for substitute services draftees	P.26	
	Corresponding Targets 1.3		
1.8	Living allowance for the disabled	P.27	
	Corresponding Targets 1.3 、 1.4		
1.9	Actively approve and counsel the disabled to use license tax exemption operations	P.27	
	Corresponding Targets 1.3		
	Corresponding to other goals 10.4		

1.10**Community Resource Center for the Disabled**

P.27

Corresponding Targets | **1.3 、 1.4****1.11****Taoyuan Assistive Technology Center**

P.27

Corresponding Targets | **1.3 、 1.4**Corresponding to other goals | **3.8****02****Zero Hunger**

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

2.1**Setting Up Physical Bank and Good Food Project**

P.28

- (1) Setting Up Physical Bank
- (2) Good Food Project
- (3) Supplies Voucher

Corresponding Targets | **2.1****2.2****Food delivery service**

P.28

Corresponding Targets | **2.1 、 2.2**Corresponding to other goals | **1.3****2.3****Free nutritious breakfast and lunch for disadvantaged students**

P.28

Corresponding Targets | **2.1**Corresponding to other goals | **4.a****2.4****Promote organic and safe cultivation and practice local production for local consumption**

P.29

- (1) Organic Vegetable Cultivation and Everyday Food Safety Project
- (2) Organic tea
- (3) Food and agriculture education

Corresponding Targets | **2.1**Corresponding to other goals | **3.9 、 4.7****2.5****Promote safe agriculture**

P.30

- (1) Expand traceable verification area
- (2) Pesticide residue inspection and mobile pesticide inspection vehicle

Corresponding Targets | **2.1**

- 2.6** **Improve inspection capacity** P.30
 Corresponding Targets | **2.1**
 Corresponding to other goals | **3.d**
- 2.7** **Avian influenza prevention** P.30
 Corresponding Targets | **2.1**
- 2.8** **Graded assessment of food service hygiene management** P.30
 Corresponding Targets | **2.1**
 Corresponding to other goals | **3.d**
- 2.9** **Young farmers cultivation** P.31
 Corresponding Targets | **2.3**
- 2.10** **Farm roads and canals improvement plan on agricultural land consolidation** P.31
 Corresponding Targets | **2.a**
- 2.11** **Agricultural Logistics Park** P.31
 Corresponding Targets | **2.3**
- 2.12** **Grand granary project** P.32
 Corresponding Targets | **2.4**
 Corresponding to other goals | **10.4 、 12.1 、 13.2**
- 2.13** **Farmland soil pollution control site improvement program** P.32
 Corresponding Targets | **2.4**
 Corresponding to other goals | **6.6**



Good Health and Well-being

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

- 3.1** **Health examination for children** P.33
 Corresponding Targets | **3.2 、 3.d**
- 3.2** **Epidemic disease prevention and control** P.33
 Corresponding Targets | **3.3**

3.3

Pneumococcal conjugate vaccine vaccination for the elderly P.34
Corresponding Targets | **3.3**

3.4

Influenza vaccination P.34
Corresponding Targets | **3.3**

3.5

Routine vaccination of children P.34
Corresponding Targets | **3.8**

3.6

Vaccine delivery P.34
Corresponding Targets | **3.8**

3.7

Screening for cancers P.34
Corresponding Targets | **3.4**

3.8

Suicide prevention and promotion of mental health P.35
Corresponding Targets | **3.4**

3.9

Toxic air pollutants audit and control P.35
Corresponding Targets | **3.9**

3.10

Healthy and friendly community promotion P.35
Corresponding Targets | **3.5**

3.11

New generation anti-drug strategy on campus P.36
Corresponding Targets | **3.5**
Corresponding to other goals | **4.a**

3.12

Improving anti-drug effectiveness P.36
Corresponding Targets | **3.5**

3.13

Traffic safety improvement in accident-prone locations P.37
Corresponding Targets | **3.6**

3.14	Strengthen the suppression of major traffic violations Corresponding Targets 3.6	P.37
3.15	Enhancing the traffic auxiliary police Corresponding Targets 3.6	P.37
3.16	Usage of technology to assist law enforcement Corresponding Targets 3.6	P.37
3.17	Traffic safety advocacy Corresponding Targets 3.6	P.38
3.18	Healthy and happy family project (1) Pregnancy allowance (2) Artificial reproductive technology subsidy (3) Chinese medicine assisted pregnancy subsidy Corresponding Targets 3.7 Corresponding to other goals 5.6	P.38
3.19	Maternity allowance, Childcare allowance Corresponding Targets 3.7	P.39
3.20	Health insurance subsidy (1) Health insurance subsidies for disadvantaged groups (2) Health insurance subsidies for the elderly Corresponding Targets 3.8 Corresponding to other goals 1.3	P.39
3.21	Taoyuan citizens health management experts Corresponding Targets 3.8	P.39
3.22	Pharmacy site network Corresponding Targets 3.8	P.40

3.23**Subsidies for dental medical expenses**

P.40

- (1) General household
- (2) Low- and middle-income elderly over 65
- (3) Low- and middle-income households with disabilities under 64

Corresponding Targets | **3.8**
 Corresponding to other goals | **1.3**

3.24**Prevention and care of dementia**

P.41

Corresponding Targets | **3.8**

3.25**Long term care 2.0**

P.41

- (1) Community care station
- (2) Community-based Long term Care Institution Service
- (3) Family Carer Support Service
- (4) D café
- (5) Indigenous Cultural health Station

Corresponding Targets | **3.8 、 3.d**

3.26**Rural medical services**

P.43

- (1) Smart medical in Fuxing District
- (2) Coastal medical care

Corresponding Targets | **3.8**

3.27**Create a high-quality sports environment**

P.43

Corresponding Targets | **3.d**

3.28**New construction, extension, and repair of the civic activity center**

P.44

Corresponding Targets | **3.d**

3.29**One indigenous pre-district assembly room**

P.44

Corresponding Targets | **3.d**

3.30**Provide youth with diverse learning experiences**

P.44

Corresponding Targets | **3.d**
 Corresponding to other goals | **4.7**

- 3.31** Establish the image of the sports city P.44
 Corresponding Targets | **3.d**
- 3.32** Create a “Sports for All” atmosphere P.45
 Corresponding Targets | **3.d**
- 3.33** Promote sports equality P.45
 Corresponding Targets | **3.d**
- 3.34** Enhance the strength of competitive athletics P.46
 Corresponding Targets | **3.d**
 Corresponding to other goals | **4.a**



04

Quality Education

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

- 4.1** Public childcare P.47
 Corresponding Targets | **4.2**
 Corresponding to other goals | **5.a 、 5.c**
- 4.2** Public kindergarten P.47
 Corresponding Targets | **4.2**
- 4.3** Career planning and exploration for elementary and junior high school students P.48
 Corresponding Targets | **4.3 、 4.4 、 4.5**
- 4.4** Technical personnel training for senior high school students P.48
 Corresponding Targets | **4.3**
- 4.5** Educational Cooperation P.49
 Corresponding Targets | **4.3**
- 4.6** Innovative industry talent cultivation P.49
 Corresponding Targets | **4.3 、 4.4 、 4.7**
 Corresponding to other goals | **8.5 、 8.6**

4.7**Overseas university education for senior high school students**

P.49

Corresponding Targets | **4.3 、 4.7**Corresponding to other goals | **17.6****4.8****Learning assistance for elementary and junior high school**

P.50

Corresponding Targets | **4.5 、 4.6**Corresponding to other goals | **1.4****4.9****After-school care for elementary school**

P.50

Corresponding Targets | **4.5**Corresponding to other goals | **1.4****4.10****Subsidies for economically disadvantaged students in elementary and junior high schools**

P.50

Corresponding Targets | **4.5**Corresponding to other goals | **1.4****4.11****Educational assistance for students with disabilities**

P.51

Corresponding Targets | **4.5**Corresponding to other goals | **1.4****4.12****Education of disadvantaged students in rural areas**

P.51

Corresponding Targets | **4.5**Corresponding to other goals | **1.4****4.13****Local education in elementary and junior high schools**

P.52

Corresponding Targets | **4.5 、 4.7****4.14****Educational assistance for children of new immigrants**

P.52

Corresponding Targets | **4.5 、 4.7****4.15****Indigenous education**

P.52

Corresponding Targets | **4.1 、 4.2 、 4.3 、 4.5 、 4.7 、 4.a****4.16****Environmental education**

P.53

Corresponding Targets | **4.7 、 4.a**Corresponding to other goals | **12.8****4.17****Promote campus integrity and deepen integrity education**

P.53

Corresponding Targets | **4.7**

4.18

New construction of Taoyuan municipal public library and reading promotion plan

P.54

Corresponding Targets | **4.a**

4.19

Senior citizens learning
(1) Senior Citizens Learning Center
(2) Evergreen Academy

P.54

Corresponding Targets | **4.7**

4.20

Community college

P.55

Corresponding Targets | **4.7**

4.21

Art and aesthetic sprout project

P.56

Corresponding Targets | **4.7**

4.22

Environmental aesthetics improvement project

P.56

Corresponding Targets | **4.7**

4.23

Supporting performing arts groups and cultivating local art talents

P.56

Corresponding Targets | **4.7**

4.24

Daxi Wood Art Ecomuseum Education Promotion and Cultural Education Network

P.57

Corresponding Targets | **4.7**

4.25

Children's Toy Library

P.57

Corresponding Targets | **4.7**

4.26

Smart learning classroom

P.58

Corresponding Targets | **4.4 、 4.7**

4.27

Program training and teaching aid sharing

P.58

Corresponding Targets | **4.4**

4.28**Autodidactic 3.0 Lab**

P.59

Corresponding Targets | **4.a****4.29****Atypical education system**

P.59

Corresponding Targets | **4.a****4.30****New municipal schools establishment plan**

P.59

Corresponding Targets | **4.5 、 4.a**Corresponding to other goals | **9.1****4.31****Regeneration of unsafe and old buildings and old schools** P.60Corresponding Targets | **4.a**Corresponding to other goals | **9.1****4.32****Anti-bullying and friendly campus**

P.60

Corresponding Targets | **4.a****4.33****Traffic guard volunteer project**

P.60

Corresponding Targets | **4.a****05****Gender Equality**

Achieve gender equality and empower all women and girls.

5.1**Eliminate violence against women**

P.62

Corresponding Targets | **5.1 、 5.2**Corresponding to other goals | **4.5 、 4.7 、 16.2****5.2****Property inheritance equality**

P.62

Corresponding Targets | **5.a****5.3****Elimination of traditional stereotypes**

P.63

Corresponding Targets | **5.1 、 5.5****5.4****Young women empowerment**

P.63

Corresponding Targets | **5.1**

- 5.5

Enhance women's digital abilities P.63

Corresponding Targets | **5.b**
- 5.6

Same-sex marriage equality P.63

Corresponding Targets | **5.c**
- 5.7

Employment promotion and empowerment P.64

Corresponding Targets | **5.a 、 5.b 、 5.c**

Corresponding to other goals | **4.4 、 8.3 、 8.5 、 8.6**
- 5.8

Entrepreneurship counseling and subsidies P.64

Corresponding Targets | **5.a 、 5.c**
- 5.9

Balance work and family P.65

Corresponding Targets | **5.1 、 5.2 、 5.a 、 5.c**

Corresponding to other goals | **3.7 、 4.2**
- 5.10

Promote women's participation in decision-making P.65

Corresponding Targets | **5.5 、 5.c**
- 5.11

Nurturing women's groups P.66

Corresponding Targets | **5.1 、 5.4 、 5.5**
- 5.12

Friendly public space P.66

Corresponding Targets | **5.4**
- 5.13

Accessible welfare services P.67

Corresponding Targets | **5.1 、 5.4**
- 5.14

Friendly medical environment P.67

Corresponding Targets | **5.6**

Corresponding to other goals | **3.2 、 3.7**



Clean Water and Sanitation

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

6.1**Upgrading the rural tap water supply project**

P.68

Corresponding Targets | **6.1****6.2****Zhongzhuang retention basin, Shimen Reservoir flood tunnel**

P.68

Corresponding Targets | **6.3****6.3****Shimen Reservoir phosphorus reduction plan**

P.69

Corresponding Targets | **6.3****6.4****River pollution remediation and industrial permit inspection plan**

P.69

Corresponding Targets | **6.3****6.5****River basin total amount control management plan**

P.69

Corresponding Targets | **6.3****6.6****Laojie Creek Hsinshin Peak aerated gravel-packed contact bed facility**

P.69

Corresponding Targets | **6.3****6.7****Water purification and on-site wastewater disposal**

P.69

Corresponding Targets | **6.3****6.8****Sewerage construction plan**

P.70

Corresponding Targets | **6.3****6.9****Wastewater treatment in industrial areas**

P.70

Corresponding Targets | **6.3****6.10****Industrial wastewater recycling**

P.70

Corresponding Targets | **6.3****6.11****Proper disposal of discharged water from the Sewage Treatment Center**

P.71

Corresponding Targets | **6.4 、 6.5 、 6.6**Corresponding to other goals | **4.7 、 12.8**

6.12

Smart groundwater management

P.71

Corresponding Targets | 6.5

6.13

Ponds and Canals Regeneration

P.72

- (1) National Important Wetland
- (2) Multifunctional Flood Detention Facilities Project
- (3) Ecological Water Corridor
- (4) Aerotropolis ponds reservation

Corresponding Targets | 6.6

Corresponding to other goals | 11.3 、 11.4 、 11.5 、 11.7 、 13.1

6.14

River Education Center

P.73

Corresponding Targets | 6.6

Corresponding to other goals | 4.7 、 12.8

6.15

Water Environment Conservation and Patrol

P.73

Corresponding Targets | 6.b

Corresponding to other goals | 17.17



07

Affordable and Clean Energy

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

7.1

Taoyuan Green Electric City Project

P.74

Corresponding Targets | 7.2

7.2

Garbage treatment facilities waste-to-energy project

P.74

- (1) BOO Waste Incinerator
- (2) Taiwan's first biomass energy center
- (3) Public landfill solar green power renewable energy

Corresponding Targets | 7.2

Corresponding to other goals | 12.5

7.3

MRT Depot Solar Power Project

P.75

Corresponding Targets | 7.2 、 7.a

7.4

LED smart street light reinstallation

P.75

Corresponding Targets | 7.3



Decent Work and Economic Growth

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

8.1

Asia Silicon Valley Development Agency in Taoyuan

P.76

- (1) Hutou Mountain Innovation Park
- (2) Asia Silicon Valley Innovation and R&D Center
- (3) Linking central and local resources
- (4) Expand international business opportunities

Corresponding Targets | **8.3**

8.2

Investment to promote economy

P.77

Corresponding Targets | **8.3**

8.3

Promote the localization of the rail industry

P.77

Corresponding Targets | **8.3**

8.4

Private participation in the management of sports venues

P.77

Corresponding Targets | **8.3**

Corresponding to other goals | **9.c 、 11.a**

8.5

Youth Start-Up Hub

P.77

Corresponding Targets | **8.3 、 8.5 、 8.6**

8.6

Social Business Center and University Social Responsibility

P.78

Corresponding Targets | **8.3 、 8.6**

8.7

Youth Safe Employment Program

P.78

Corresponding Targets | **8.5 、 8.6**

8.8

Assist the disadvantaged groups in employment

P.79

Corresponding Targets | **8.5**

Corresponding to other goals | **1.4**

8.9

Government departments give priority to hiring disadvantaged groups

P.79

Corresponding Targets | **8.5**

Corresponding to other goals | **1.4**

8.10	Vocational rehabilitation services for the disabled Corresponding Targets 8.5 Corresponding to other goals 1.4	P.79
8.11	Indigenous entrepreneurship counseling industry Corresponding Targets 8.3 、 8.5 、 8.9	P.79
8.12	Indigenous police officers returning to hometown Corresponding Targets 8.6 、 8.8	P.80
8.13	Complete vocational training Corresponding Targets 8.6 、 8.8 Corresponding to other goals 4.4 、 5.a 、 5.b	P.80
8.14	Improve the labor union Corresponding Targets 8.8	P.80
8.15	Labor supervision and inspection Corresponding Targets 8.8	P.81
8.16	Labor retirement reserve fund audit program Corresponding Targets 8.8	P.81
8.17	Smart tourism Corresponding Targets 8.9	P.81
8.18	Low-Carbon tourism (1) Taiwan Tourist Shuttle (2) Shimen Reservoir Low-Carbon Tourism Demonstration Zone (3) Low-carbon hotel Corresponding Targets 8.9 Corresponding to other goals 11.2 、 12.5 、 12.b	P.82
8.19	Ecotourism (1) Houhu Creek hydrophilic ecological experience in Xinwu District (2) Houcihu night ecological observation Corresponding Targets 8.9	P.82

8.20	Leisure Agriculture Counselling Program Corresponding Targets 8.9	P.83
8.21	Tourism fishing harbor Corresponding Targets 8.9	P.83
8.22	Counseling tourism factories and revitalizing traditional markets and night markets Corresponding Targets 8.9	P.83
8.23	B&B (bed and breakfast) counseling Corresponding Targets 8.9	P.83
8.24	Daxi Co-learning and Creative Partners Business Plan Corresponding Targets 8.9	P.84
8.25	Create Fuxing hot spring township Corresponding Targets 8.9	P.84
8.26	Southern Fujian culture Corresponding Targets 8.9	P.84
8.27	Military dependents' village culture Corresponding Targets 8.9	P.85
8.28	Indigenous Culture Corresponding Targets 8.9	P.85
8.29	Hakka Culture (1) Hakka Village Environment Creation Project (2) Hakka near the mountains: Daxi, Longtan, Yangmei (3) Metropolitan Hakka: Zhongli, Pingzhen (4) Hakka near the sea: Dayuan, Guanyin, Xinwu Corresponding Targets 8.9 Corresponding to other goals 11.4、11.a	P.85
8.30	Local festivals Corresponding Targets 8.9	P.88



09

Industry, Innovation, and Infrastructure

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

9.1

Stormwater sewer Construction

P.89

Corresponding Targets | 9.1

Corresponding to other goals | 11.2 、 12.5

9.2

Road-smoothing project

P.89

Corresponding Targets | 9.1

Corresponding to other goals | 11.2 、 12.5

9.3

Open the Bottleneck Path Plan

P.89

Corresponding Targets | 9.1

Corresponding to other goals | 11.2

9.4

Construction of passenger terminal

P.90

Corresponding Targets | 9.1

9.5

Build parking lot

P.90

Corresponding Targets | 9.1

9.6

Traffic construction in rural areas

P.90

Corresponding Targets | 9.1

Corresponding to other goals | 11.2

9.7

Industrial land planning and development

P.91

(1) Overall planning of industrial land

(2) Developing Industrial Park

(3) Green factory

Corresponding Targets | 9.4

9.8

Promote ecological logistics

P.92

Corresponding Targets | 9.4

Corresponding to other goals | 17.16

9.9

Industry 4.0

P.92

Corresponding Targets | 9.4 、 9.5

9.10**Autonomous vehicle virtual field platform
integration test plan**

P.92

Corresponding Targets | **9.5****9.11****ICT industry coaching**

P.93

Corresponding Targets | **9.5 、 9.c****9.12****Internet popularization**

P.93

Corresponding Targets | **9.c****10****Reduced Inequalities**

Reduce inequality within and among countries.

10.1**New Immigrants Joint Service Center**

P.94

Corresponding Targets | **10.2****10.2****Promote leisure and recreational activities for
migrant workers**

P.94

Corresponding Targets | **10.2****10.3****Indigenous Cultural Festival**

P.95

Corresponding Targets | **10.2****10.4****Indigenous Name Rectification Day**

P.95

Corresponding Targets | **10.2****10.5****Indigenous people insured with group accident insurance**

P.95

Corresponding Targets | **10.2****10.6****Counseling religious groups for land declaration and
property protection**

P.96

Corresponding Targets | **10.2**

- 10.7

Preserve and continue religious beliefs and assist in renting land P.96

Corresponding Targets | **10.2**
- 10.8

Taoyuan Art Tour P.96

Corresponding Targets | **10.2**
- 10.9

Promote multicultural development P.96

Corresponding Targets | **10.2**
- 10.10

New Immigrants Cultural Center HOUSE 135 multicultural exhibition and promotion activities P.97

Corresponding Targets | **10.2**
- 10.11

Access to the media P.97

Corresponding Targets | **10.3 、 10.4**

Corresponding to other goals | **4.4 、 16.6**
- 10.12

Communication Justice in rural areas P.98

Corresponding Targets | **10.3**

Corresponding to other goals | **11.a**
- 10.13

Welfare Cloud P.98

Corresponding Targets | **10.3 、 10.4**

Corresponding to other goals | **3.7**
- 10.14

Tax Secretary - City Taxation Service Network P.98

Corresponding Targets | **10.4**

Corresponding to other goals | **1.4 、 1.5 、 2.a 、 13.1 、 16.6**



Sustainable Cities and Communities

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

- 11.1

Diverse social housing P.99

(1) Speed up the supply of social housing
(2) Multiple rental subsidy program

Corresponding Targets | **11.1 、 11.3**

Corresponding to other goals | **10.4**

11.2**Amendments to the land use district of Indigenous tribal land**

P.100

Corresponding Targets | **11.1**、**11.a****11.3****Construction of indigenous tribes in Dahan River**

P.100

Corresponding Targets | **11.1**、**11.3****11.4****Cadastral inventory and protection of ancestral property project plan**

P.101

Corresponding Targets | **11.1****11.5****Lands information network service**

P.101

Corresponding Targets | **11.1****11.6****Cadastral map quality improvement**

P.101

Corresponding Targets | **11.1****11.7****Centralization of land administration database**

P.102

Corresponding Targets | **11.1****11.8****Three-core and Six-track construction**

P.102

- (1) Road network planning
- (2) Pay attention to the preservation of cultural assets
- (3) Green building design and wasteland management
- (4) Use recycled water and waste water treatment

Corresponding Targets | **11.2**、**11.4**、**11.a**Corresponding to other goals | **3.6**、**6.4**、**6.5**、**12.4**、**12.5****11.9****MRT system planning**

P.103

- (1) Transportation volume improvement and optimization services
- (2) Stable and safe traffic environment
- (3) Import smart energy-saving design
- (4) Improve disaster response capacity

Corresponding Targets | **11.2**、**11.5**、**11.6**Corresponding to other goals | **7.3**、**7.a**、**9.c****11.10****Bus system planning**

P.104

Corresponding Targets | **11.2**

11.11**Encourage public transportation**

P.104

- (1) MRT discounts
- (2) Bus discounts

Corresponding Targets | **11.2****11.12****Promote sharing and electric transportation**

P.104

- (1) Electric car and locomotive
- (2) Public bike

Corresponding Targets | **11.2**Corresponding to other goals | **7.2 、 13.2****11.13****Barrier-free transportation environment**

P.105

- (1) Barrier-free ride environment
- (2) Concessions on transportation fares for disadvantaged groups
- (3) Friendly transportation services for the elderly and the disabled
- (4) Improve traffic accessibility in rural areas
- (5) Pedestrian walk quality improvement plan
- (6) Arcade leveling
- (7) Underground cables and poles project
- (8) Traffic calming zone

Corresponding Targets | **11.2****11.14****Development of Taoyuan Aerotropolis**

P.107

- (1) Introduce Three Low and One High industries, ecological logistics, and green innovation industry
- (2) Promote smart and resilient cities with the concept of circular economy
- (3) Preservation of original cultural assets
- (4) Properly resettle existing residents and factories
- (5) Focus on citizen participation

Corresponding Targets | **11.3 、 11.4 、 11.7**Corresponding to other goals | **6.6 、 8.2 、 8.3 、 8.9 、 9.1 、 17.17****11.15****Urban land readjustment**

P.109

Corresponding Targets | **11.3****11.16****Zone expropriation**

P.109

Corresponding Targets | **11.3**



11.17	Urban regeneration Corresponding Targets 11.3	P.109
11.18	Revitalize idle public land Corresponding Targets 11.3	P.110
11.19	One-stop e-service plan for household registration Corresponding Targets 11.3、11.a	P.110
11.20	Quality public buildings Corresponding Targets 11.b	P.110
11.21	Taoyuan ponds and stone weirs preservation promotion and sustainable development plan Corresponding Targets 11.4	P.111
11.22	Grand Daxi Project Corresponding Targets 11.4、11.7	P.111
11.23	Revitalization of historic buildings (1) Save military dependents' village cultural assets (2) Japanese-style building restoration Corresponding Targets 11.4	P.112
11.24	Taoyuan City Story Museum Project Corresponding Targets 11.4 Corresponding to other goals 17.17	P.112
11.25	Hakka heritage Corresponding Targets 11.4 Corresponding to other goals 4.7	P.113
11.26	Hakka Hundreds of Industries Survey Corresponding Targets 11.4	P.113
11.27	Comprehensive River Basin Management Plan Corresponding Targets 11.5	P.114

11.28

Landslide prevention training and drill

P.114

Corresponding Targets | **11.5**

Corresponding to other goals | **17.17**

11.29

Building base sharing storm runoff

P.114

Corresponding Targets | **11.5**、**11.b**

Corresponding to other goals | **13.1**

11.30

Improve home safety

P.115

(1) Home fire alarm setting assistance

(2) Gas heater relocation or replacement subsidy

Corresponding Targets | **11.5**

11.31

Comprehensive Air Quality Management Plan

P.115

(1) Major manufacturers reduction negotiations

(2) Promote green energy vehicles

(3) Smart monitoring and identify air pollution areas

Corresponding Targets | **11.6**

Corresponding to other goals | **3.9**、**9.c**、**12.4**、**12.5**

11.32

Taoyuan International Airport Aviation Noise Control and Compensation and Feedback

P.117

Corresponding Targets | **11.6**

11.33

General waste disposal

P.117

Corresponding Targets | **11.6**

11.34

Transformation of funeral facilities

P.118

Corresponding Targets | **11.6**

11.35

Development and expansion of park and green spaces

P.118

Corresponding Targets | **11.7**

11.36

Green Environment Construction Project of Riverside Land

P.119

Corresponding Targets | **11.7**

11.37

Hiking trail renovation

P.119

Corresponding Targets | **11.7**

11.38**Inclusive national spatial plan**

P.120

Corresponding Targets | **11.a****11.39****Citizen Card Integration Service**

P.120

Corresponding Targets | **11.a**Corresponding to other goals | **9.c****11.40****Data Exploration and Analysis Platform**

P.121

Corresponding Targets | **11.a****11.41****Environmental Information and Pollution Warning Monitoring**

P.121

Corresponding Targets | **11.a****12****Responsible Consumption and Production**

Ensure sustainable consumption and production patterns.

12.1**Industrial waste energy saving, waste reduction and energy recycling promotion plan**

P.122

Corresponding Targets | **12.4****12.2****Resource recycle plan**

P.122

Corresponding Targets | **12.5****12.3****Production value plan for marine waste bottles**

P.123

Corresponding Targets | **12.5****12.4****Use recycling aggregates in road engineering**

P.123

Corresponding Targets | **12.5****12.5****Subsidies to the livestock farm pollution prevention and control**

P.124

Corresponding Targets | **12.5****12.6****Reuse of property**

P.124

Corresponding Targets | **12.5****12.7****Green Procurement Promotion**

P.124

Corresponding Targets | **12.7**

- 12.8** Taoyuan Agriculture Expo P.125
 Corresponding Targets | **12.8**
- 12.9** Encourage youth to invest in placemaking P.125
 Corresponding Targets | **12.8**、**12.b**



Climate Action

Take urgent action to combat climate change and its impacts.

- 13.1** Low-Carbon Green City Project P.126
 Corresponding Targets | **13.2**
- 13.2** Climate Change Coping and Low-Carbon Sustainability Plan P.126
 Corresponding Targets | **13.2**
- 13.3** Water retention on green transportation roads P.127
 Corresponding Targets | **13.2**
- 13.4** Fenghe Disaster Prevention Park P.128
 Corresponding Targets | **13.2**
- 13.5** Agricultural disaster prevention P.128
 (1) Agricultural disaster prevention
 (2) Agricultural insurance
 Corresponding Targets | **13.2**
 Corresponding to other goals | **2.4**
- 13.6** Smart Disaster Prevention Water Regime System P.128
 Corresponding Targets | **13.3**
 Corresponding to other goals | **11.a**
- 13.7** New era of smart disaster “Mobile Dispatch 119” P.129
 Corresponding Targets | **13.3**
 Corresponding to other goals | **11.a**

13.8**Communication platform for disaster prevention and relief operations in Fuxing District**

P.129

Corresponding Targets | **13.3**Corresponding to other goals | **1.5、9.c、11.5****13.9****Disaster prevention education**

P.129

Corresponding Targets | **13.3**Corresponding to other goals | **4.7****13.10****Campus waters safety advocacy**

P.130

Corresponding Targets | **13.3**Corresponding to other goals | **4.7****13.11****Disaster Resistant Community**

P.130

Corresponding Targets | **13.3****13.12****Low-Carbon Sustainable Demonstration Community**

P.130

Corresponding Targets | **13.3****14****Life Below Water**

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

14.1**Coastal Environmental Monitoring Technology Center and Water Quality Automatic Continuous Monitoring**

P.131

Corresponding Targets | **14.1、14.3****14.2****Coast Patrol Team**

P.131

Corresponding Targets | **14.1**Corresponding to other goals | **17.17****14.3****Coastal environmental education**

P.131

Corresponding Targets | **14.2、14.5、14.7****14.4****Xucuogang Wetland conservation**

P.132

Corresponding Targets | **14.2、14.5****14.5****Xinwu Stone Weirs preservation**

P.132

Corresponding Targets | **14.2、14.5**Corresponding to other goals | **11.4**

14.6

Caota Sand Dunes natural landscape management

P.133

Corresponding Targets | 14.2 、 14.5

14.7

Drift net fishery transition

P.133

Corresponding Targets | 14.4

14.8

Eel larvae fishing plan

P.133

Corresponding Targets | 14.4



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.

15.1

Regulations on Non-urban Land Use Control

P.134

Corresponding Targets | 15.1

15.2

Forest patrol team

P.134

Corresponding Targets | 15.2

Corresponding to other goals | 17.17

15.3

Afforestation plan

P.135

Corresponding Targets | 15.2 、 15.b

Corresponding to other goals | 11.7

15.4

Guishan Nursery Green Environment Ecological Park

P.135

Corresponding Targets | 15.4

Corresponding to other goals | 2.5

15.5

Taipei Frog restoration in Gaorong Wildlife Sanctuary

P.135

Corresponding Targets | 15.4 、 15.5

Corresponding to other goals | 2.1 、 4.7



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.

16.1

Comprehensive surveillance video system

P.136

Corresponding Targets | 16.1

16.2**Comprehensive inspection of illegal firearms**

P.136

Corresponding Targets | **16.1**、**16.2**、**16.4**、**16.a****16.3****Eliminating Gangs**

P.136

Corresponding Targets | **16.1**、**16.2**、**16.4**、**16.a****16.4****Handling of street fights**

P.137

Corresponding Targets | **16.1**、**16.2**、**16.4**、**16.a****16.5****Violence, major man-made security incidents or terrorist attack contingency**

P.137

Corresponding Targets | **16.1**、**16.2**、**16.4**、**16.a****16.6****Youth counseling**

P.138

Corresponding Targets | **16.1****16.7****Community security conference**

P.138

Corresponding Targets | **16.7**Corresponding to other goals | **17.17****16.8****Consumer dispute**

P.138

Corresponding Targets | **16.3****16.9****Strengthen the correctness of administrative sanctions**

P.139

Corresponding Targets | **16.3**、**16.b****16.10****Mediation mechanism**

P.139

Corresponding Targets | **16.3**、**16.b****16.11****Complaint review board for government procurement**

P.140

Corresponding Targets | **16.3**、**16.b****16.12****Taxpayer rights protection**

P.140

Corresponding Targets | **16.3**

16.13	Government Ethics Risk Management Corresponding Targets 16.5	P.141
16.14	Open Data Platform Corresponding Targets 16.10	P.142
16.15	Smart tax customer service Corresponding Targets 16.6 Corresponding to other goals 3.9 、 11.6 、 13.3	P.142
16.16	Budget supports sustainable development Corresponding Targets 16.6 Corresponding to other goals 5.1 、 5.a 、 10.2	P.142
16.17	Statistical analysis supports decision making Corresponding Targets 16.6 Corresponding to other goals 1.1 、 5.1 、 5.a	P.143
16.18	City council live online Corresponding Targets 16.6	P.143
16.19	One-stop Window Petition integration service Corresponding Targets 16.7	P.143
16.20	Promote participatory budget and other citizen participation methods Corresponding Targets 16.7 Corresponding to other goals 10.2 、 11.3	P.144
16.21	The Park Adaptability Development Council Corresponding Targets 16.7 、 16.b Corresponding to other goals 11.7	P.145
16.22	Administrative Community Empowerment Corresponding Targets 16.7	P.145
16.23	Promote youth citizen participation Corresponding Targets 16.7	P.145
16.24	Established Taoyuan City Indigenous Peoples Development Committee Corresponding Targets 16.7 、 16.b	P.145



17

Partnership for the Goals

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

17.1

Join the international organization

P.146

Corresponding Targets | **17.16**

17.2

Promote the ecological logistics initiative project

P.146

Corresponding Targets | **17.16**

Corresponding to other goals | **9.4**

17.3

Non-profit Organization Development Center

P.147

Corresponding Targets | **17.17**

17.4

Community Incubation Center

P.148

Corresponding Targets | **17.17**

17.5

Volunteer service promotion

P.148

Corresponding Targets | **17.17**

17.6

Environmental Volunteer

P.149

Corresponding Targets | **17.17**

17.7

Civil Defense Cooperation

P.149

Corresponding Targets | **17.17**

Corresponding to other goals | **16.1**

17.8

Mutual attention team and citizen patrols

P.149

Corresponding Targets | **17.17**

Corresponding to other goals | **16.1**

17.9

Encourage youths to participate in volunteer services

P.150

Corresponding Targets | **17.16 、 17.17**

Corresponding to other goals | **4.7**



SUSTAINABLE DEVELOPMENT GOALS

TAOYUAN CITY VOLUNTARY LOCAL REVIEW

Friendly and Sharing,
Sustainable and LOHAS

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TAOYUAN CITY GOVERNMENT