



Hwaseong

Voluntary Local
Review(VLR)
of Sustainable
Development
in 2024

Hwaseong

A Sustainable City, the Choice of Future Generations!



The Sustainable Development Goals (SDGs) developed by the UN in 2015 are universal goals for humanity to achieve. To accomplish these goals, local and national governments around the world must join forces and share the outcomes of their efforts based on citizen involvement. In accordance with the UN's recommendations, Hwaseong City has published this Voluntary Local Review (VLR) to share its progress and achievements in sustainable development with the international society.

Back in 2001 when Hwaseong was elevated to the status of city, it was a small urban area with a population of 210,000. From January 1, 2025, it will make another new start as "Hwaseong Special City" with a population of 1.03 million. Such remarkable growth would not have been possible without the help and support of citizens who have taken the lead with a focus on harmony, co-existence, solidarity and cooperation, attaining sustainable development amid the development of new towns and advanced industries.

Together with its citizens, Hwaseong has developed and implemented "Hwaseong Sustainable Development Goals (HS-SDGs), consisting of 4 strategies and 17 goals based on its vision "Hwaseong, a city where everyone can enjoy a life of equality in harmony with nature" under public-private governance, to ensure a safe and happy life for future generations in cooperation with the Hwaseong Sustainable Development Council.

I sincerely hope that Hwaseong's efforts and achievement in its sustainable development policies can be shared with others around the globe, and may potentially serve as an exemplary case to raise citizens' awareness of sustainable development and further strengthen the sustainable development policies of other communities. Thank you.

December 2024

Mayor of Hwaseong,
Myeonggeun Jeong

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Introduction

Hwaseong



“Hwaseong

A city where everyone can enjoy a life of equality,
in harmony with nature.”



Hwaseong City
has actively striven
to join global efforts
for sustainable development
and create a sustainable city
where citizens can enjoy
a better quality of life.



Connection with the Universal Sustainable Development Goals

The Sustainable Development Goals (SDGs) adopted by the UN in 2015 are shared goals for humanity to achieve by 2030. In line with this global agenda, in 2020, Hwaseong devised its own version of the Sustainable Development Goals (HS-SDGs).

The HS-SDGs include specific targets and indicators aligned with local circumstances, addressing Hwaseong's unique characteristics and the views of its citizens.

Creating a Sustainable City based on Citizen Involvement

In the process of creating the HS-SDGs, Hwaseong employed a democratic and transparent decision-making process by collecting opinions from various stakeholders, including citizens, the administration, relevant organizations and institutes, and experts.

This SDGs process has served as an opportunity for all the stakeholders involved to learn and grow together while exploring common values, becoming proactive leaders who contribute to the regional community.

Putting HS-SDGs into Practice through Public-Private Governance

This VLR report was created to share Hwaseong's efforts and progress toward sustainable development with citizen involvement and public-private partnership, as well as the status and progress of the Sustainable Development Goals (SDGs).

- Summary of the process of creating the HS-SDGs under the public-private partnership
- Review of Hwaseong's specific actions (policies) linked to the goals
- Introduction to the social, economic and environmental targets and indicators of the HS-SDGs, illustrated with local cases
- Suggestions for future plans to achieve the HS-SDGs

With this VLR, Hwaseong aims to share its efforts for sustainable development with others around the world, contributing to a common understanding of how to achieve a sustainable city, and further accelerating its efforts to achieve the HS-SDGs.



Introducing the City of Hwaseong

Hwaseong, located at the southwestern part of Gyeonggi Province in South Korea, is a vibrant city with a population exceeding one million, which has paved the way for its designation as a special city. Under Korea's local government model, a special city refers to a large city¹⁾ that has grown through countless efforts and devotion. It has grown into a diverse and well-balanced city, featuring advanced industries to the east, marine tourism to the west, an industrial foundation and residential complexes to the south and agriculture and nature to the north.

With an influx of younger generations, Hwaseong has fostered a dynamic and energetic urban atmosphere. In particular, the development of Dongtan New Town has attracted many young residents, lowering the city's average age to below the national average, and has created a multicultural society through the migration of foreign workers. Furthermore, outstanding education facilities and various training programs have raised Hwaseong's status as an educational city. The city also has engaged in inclusive welfare policies to ensure that all citizens can enjoy a happy life.

As an innovative city leading the future, it has actively fostered core strategic industries such as future vehicles, semiconductors and biotechnology, all built upon its solid industrial foundation. Moreover, Hwaseong ranked first in the supply of renewable energy in the 2023 Gyeonggi Province Comprehensive Evaluation of Cities and Counties, establishing its status as an eco-friendly city.

In harmony with nature and humanity, Hwaseong has developed various marine recreational attractions, leveraging the stunning natural landscapes of the west coast while protecting its diverse ecological environments,

such as Hwaseongho Lake and Maehyangri Tidal Flats. It has also strived to become an ecological city by transforming itself into a vast botanic garden spanning across the city, where citizens can engage with plants and appreciate the significance of nature.

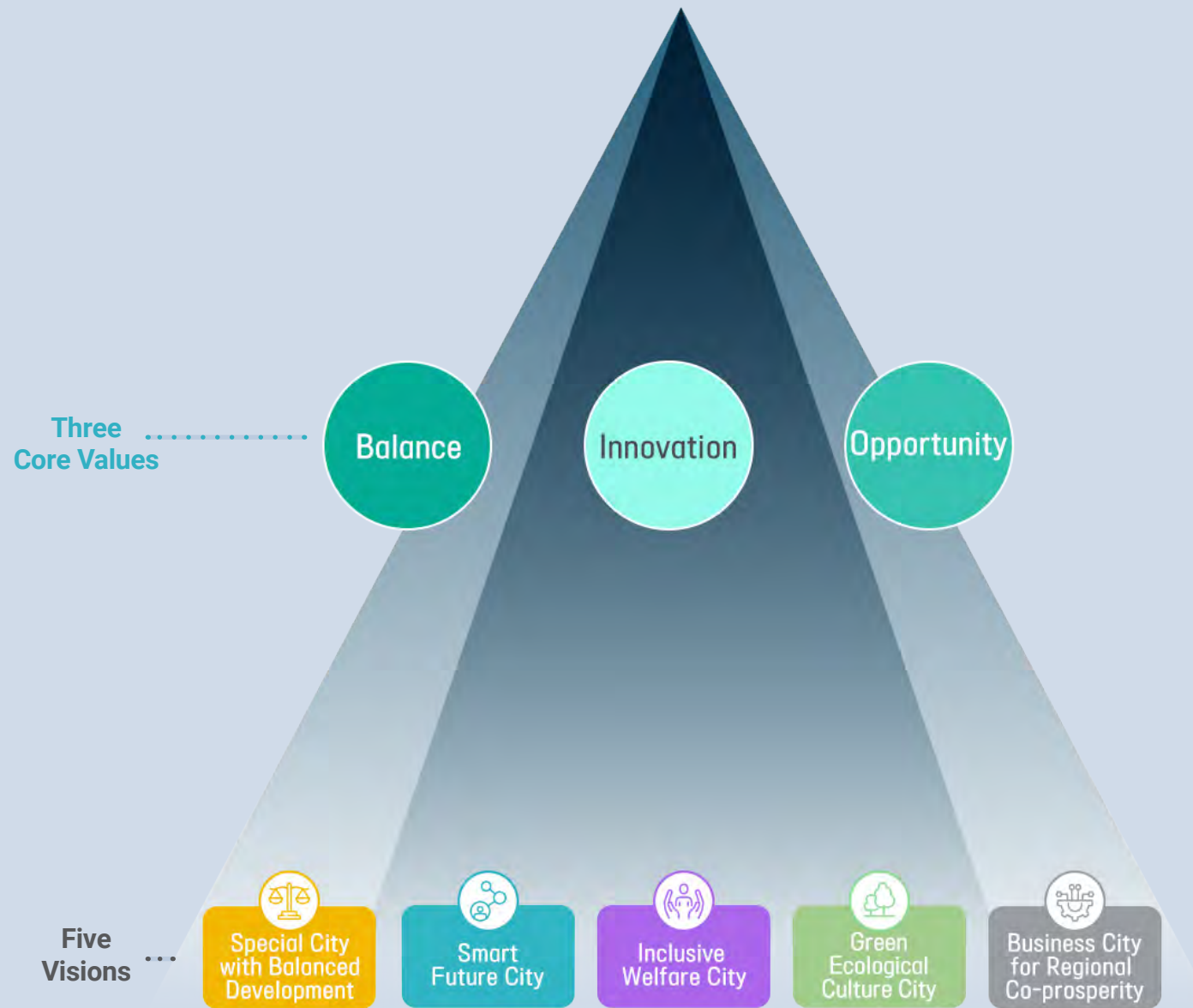
Hwaseong is indeed a dynamic city that has seen development across various sectors, including industries, the environment and education. It has further evolved into a leading sustainable city in South Korea, helping to make citizens' dreams come true and improve their quality of life.

1) Under Korea's local government model, a special city refers to a large city with a population of over 1 million that, unlike ordinary cities, has high-level autonomy comparable to that of metropolitan cities. Its purpose is to improve the quality of life for residents and further drive the local development.



Hwaseong's Directions for Municipal Administration

Slogan “Hwaseong, Hopeful City where my life changes”



Special City with Balanced Development



Address conflicts among citizens through balanced development between urban and rural areas, foster citizens' community spirit and advance into a city of balanced development

Smart Future City



Provide administrative services (such as administration, safety, spatial information and big data, etc.) using advanced technologies and implement a convenient and safe smart city based on the smart infrastructure

Inclusive Welfare City



Deliver welfare services where no one is left behind, and create a welfare city that enhances citizens' self-esteem and their identity as Hwaseong residents

Green Ecological Culture City



Enhance the healing and relaxation effects that nature presents by conserving natural ecological infrastructure (such as wetlands, tidal flats, reed forests, fossil sites, etc.) and expanding green infrastructure in living areas; preserve the city's unique characteristics of its cultural resources; promote distinctive culture and tourism by increasing their value; and establish a foundation for creative talent education

Business City for Local Co-prosperity



Support the convergence of various industries among companies in Hwaseong to create synergistic effects and foster a business-friendly environment where these synergies can also benefit the local community

Major Indicators of Hwaseong

Area and Population

844 km²

1.4 times larger than Seoul

1.03 M

The number of citizens



- Area: 844km² (1.4 times larger than that of Seoul)
- Population: 1.03 million (as of 2024)
※ Scheduled to become Hwaseong Special City on Jan 1, 2025
- Average age: 39 (national average of 45)

General Administration

4 eups, **9** myeons, **16** donges

Administrative Districts



- Location of City Hall: #159, Sicheong-ro, Namyang-eup
- Administrative Districts: 4 eups, 9 myeons and 16 donges
- Administrative Organizations: 3 offices, 9 bureaus, 3 officials, 71 divisions, 1 committee, 4 direct institutions, 3 business sites, 2 local offices, 29 eups/myeons/dongs
- No. of Public Servants: 2,921
→ Main city hall: 1,597, Committee: 53, Direct institutions: 210,
Business sites: 177, Local offices: 273, Eups/Myeons/Dongs: 611
→ No. of residents per public servant: 347
- Finance: 3,407,098 million KRW (as of 2024)

Education

A Total of **365** Schools



- Educational Institutes: 173 kindergartens, 106 elementary schools, 45 middle schools, 31 high schools, 3 special schools, 2 colleges, 4 universities, 1 graduate school

Green Area

455 Locations

5,616,575 km² of green space



- Green Area: 455 locations (a total of 5,616,575km²)
- Park: 618 locations (a total of 9,919,239km²)
- Forest: 173,500,000km² (24.8% out of the city's total area)

Welfare

Welfare Facilities

1,978



- Welfare Facility: 11 welfare centers, 1,110 senior welfare centers, 46 welfare centers for the disabled, 725 daycare facilities, 86 other facilities for the homeless and others
- Medical Institute: 3 general hospitals, 15 clinics, 171 herbal clinics, 758 public health centers, etc.

Transportation

Highway, Railway, Bus



- Highway: seven including Gyeongbu Expressway, Seohaean Expressway, etc.
- Railway: Gyeongbu line, SRT (Metropolitan high-speed railway), Suwon-Incheon double track railway
- Bus: 3,836 buses in operation, including intra-city buses, town buses and metropolitan buses
- Major Road: National roads No. 39, 43 and 82, etc.

Production and Business

GRDP **91.042** trillion KRW

1st among the nation's lower-level local governments as of 2021



- GRDP: 91.042 trillion KRW (as of 2021, No.1 among lower-level local governments nationwide)
- Major Company: Samsung Electronics, KIA, Hyundai Motors, Hanmi Pharmaceutical, etc. (about 28,000 companies)
- Industrial Complex: 2 national industrial complexes, 19 general industrial complexes, 1 urban high-tech industrial complex

Hwaseong's Status



Urban Growth Indicators
<ul style="list-style-type: none"> • No. 1 in the Korea Local-autonomy Competitive Index - No. 1 for 8 consecutive years (2017-2024) • Youngest in the average age among local governments nationwide - Hwaseong: 39.1 (national average: 45) • 2nd financial self-sufficiency in Gyeonggi Province (as of 2024) • A city with the lowest level of extinction risks • Area available for development: 844km² - 1.4 times larger than that of Seoul and 2nd largest in Gyeonggi Province

Economic Indicators
<ul style="list-style-type: none"> • No. 1 in GRDP among local governments nationwide - 91,041,737 million KRW (as of 2021) • Largest number of manufactures nationwide - 28,590 companies, including Samsung Electronics (as of 2022) • Highest employment rate among large cities with a population of over 500,000 - 67.4% (as of the 1st half of 2023)

🔄 Awards

※ Winner of Presidential Prize of the 2021 Korea Sustainable Development Award

- Received the Grand Prize of the 2023 Local Government Financial Analysis Assessment (2 consecutive years) (Ministry of Public Administration and Security)
- Certified as an excellent organization of the 2023 Local Regulation Innovation (3 consecutive years) (Ministry of Public Administration and Security)
- Recognized as the best organization of the 2023 Comprehensive Assessment of Civil Services (3 consecutive years) (Ministry of Public Administration and Security)
- Ranked No. 1 in the local governments' administrative services of the 2023 Korea Service Quality Index (3 consecutive years)
- Ranked No. 1 in the 2023 Korea Local-autonomy Competitiveness Index
- Recognized for its contribution at the 2023 Cloud Industry Development (Ministry of Science and ICT)
- Recognized for its contribution at the 2023 Library Development (Ministry of Culture, Sports and Tourism)
- Received the Excellence Award of the 2023 Local Government Productivity (Ministry of Public Administration and Security)
- Received the Excellence Award of the 2023 Local Governments' Development of Social Enterprises (Ministry of Employment and Labor)
- Received the Excellence Award of the 2023 Local Labor-Management-Government Cooperation Evaluation (Ministry of Employment and Labor)
- Received the Special Award of the 2023 Nationwide Local Governments Employment (Ministry of Employment and Labor)
- Selected as the best organization of the 2023 Gyeonggi Public Library Operation Assessment (Gyeonggi Province)
- Selected as the best city/county in the transportation sector of Gyeonggi Province in 2023 (Gyeonggi Province)
- Selected as the best city/county of the 2023 Mobility Rights Promotion Evaluation for the Mobility Challenged (Gyeonggi Province)
- Received an award (participation award) of the 2023 Green Fund Support Project in the Obstacle-free Sector (Korea Forest Welfare Institute)
- Ranked No. 1 with ESG A+ of among local governments in 2023
- Selected as an outstanding organization of the 2023 Local Government Innovation Assessment (4 consecutive years) (Ministry of Public Administration and Security)
- Selected as an outstanding organization of the 2023 Comprehensive Assessment of Local Government Administration (2 consecutive years) (Ministry of Public Administration and Security)
- Received the Excellence Award of the 2023 Gyeonggi Rural Development Project Evaluation (Gyeonggi Province)
- Received the Excellence Award of the 2024 Local Tax Planning Survey of Cities and Counties (Gyeonggi Province)
- 2024 Local Government ESG Rating: A+, Ranked 1st (Korea ESG Evaluation Institute, 2 consecutive years)
- Received the Best Award of the 2024 Government Sector (5th ESG Korea Awards) and Grand Prize of ESG (The Fact)



Deliberation Process for Goal-setting

Hwaseong



Deliberation Process for Goal-setting

Hwaseong's Sustainable Development Goals (HS-SDGs)

Based on the 17 UN SDGs, the City of Hwaseong has developed its own Sustainable Development Goals (HS-SDGs), with the involvement of key interested parties and citizens. Together with its citizens, it has learned and shared the value of sustainable development and grew along with the local communities, all of which was made possible through the public-private partnership. The HS-SDGs have laid the groundwork for spreading the value of sustainable development across the local society, serving as the kernel of the city's administration and major policies of relevant organizations.

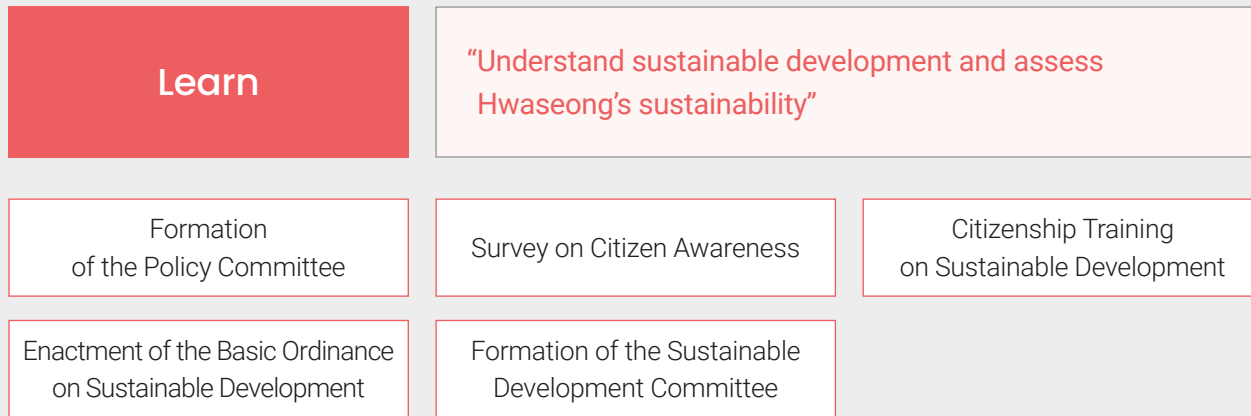


Setting HS-SDGs

Hwaseong's Sustainable Development Goals (HS-SDGs) were established based on citizens-administration governance as follows:

Learn	Understand sustainable development and assess sustainability.
Gather	Form and run a working group equipped with expertise and citizenship to develop the vision, strategies and goals.
Make	Determine targets and complete the ecosystem, together with major groups and other stakeholders (MGoS).

Learn	Gather	Make
<ul style="list-style-type: none"> Formation/Operation of the Policy Committee Basic research on the sustainability assessment Sustainable development education Enactment of the Basic Ordinance on Sustainable Development Formation of Sustainable Development Committee 	<ul style="list-style-type: none"> Formation of the Citizen Working Group 1st ~ 4th working group workshops Research groups to collect environmental / social and economic data 	<ul style="list-style-type: none"> MGoS listing and talks Four MGoS workshop sessions (economy, environment, society & prerequisite/methodology) Ceremony to declare the HS-SDGs Creation of the ecosystem for the HS-SDGs



*** Policy Committee on the HS-SDGs (May to Dec 2019)**

- The Policy Committee was organized to establish a cooperative framework for Hwaseong's Sustainable Development Goals.
- It carried out the analysis of basic data, training and workshops (five sessions in total).

Cls.	Policy Committee of Hwaseong Sustainable Development Council	City of Hwaseong (Administration)
Roles	<ul style="list-style-type: none"> - Creation and analysis of questionnaires - Data analysis of Hwaseong's various policies and basic plans - Recruitment of citizens participating in training and workshops 	<ul style="list-style-type: none"> - Distribution and collection of questionnaires - Recruitment of public servants participating in training and workshops
Common	<ul style="list-style-type: none"> - Planning and conducting trainings and workshops - Analysis of basic data and workshop results / preparation of final reports 	



*** Diagnosis of Sustainability (May to Dec 2019)**

- The fundamental research was to devise Hwaseong's Sustainable Development Goals, followed by the preparation of reports.
- Citizens and public servants were surveyed and findings were analyzed to be used as basic data.
- Hwaseong's sustainable development was forecast.



*** Hwaseong Sustainable Development Academy 'Arcade for Hwaseong Citizens' (Aug to Oct 2019)**

- Capacity-building training was conducted for citizens concerned about directions of Hwaseong's sustainable development to enhance their understanding of sustainable development.
- The Academy refers to a classroom that connects with the future under the five pillars of the SDGs (people, prosperity, planet, partnership and peace), offering engaging education in an easy and fun way, tailored to the needs of citizens by sector, class and region.





* Enactment of the Basic Ordinance on Sustainable Development (Jan 2020)

- The discussion forum was held (Sep 2019) to pave the way for Hwaseong's Basic Ordinance on Sustainable Development.
- Sustainable development was established as the core principle in the municipal administration to address sustainability in major policies and plans.
- The legal system improvement and citizen engagement were encouraged to ensure Hwaseong citizens' effective participation in the policy-making process.
- The implementation and planning of the basic sustainability strategies were required.
- The Sustainable Development Committee was formed and operated, and the functions and roles of the Sustainable Development Council were further developed.

* Formation/Operation of the Sustainable Development Committee (Jan 2020)

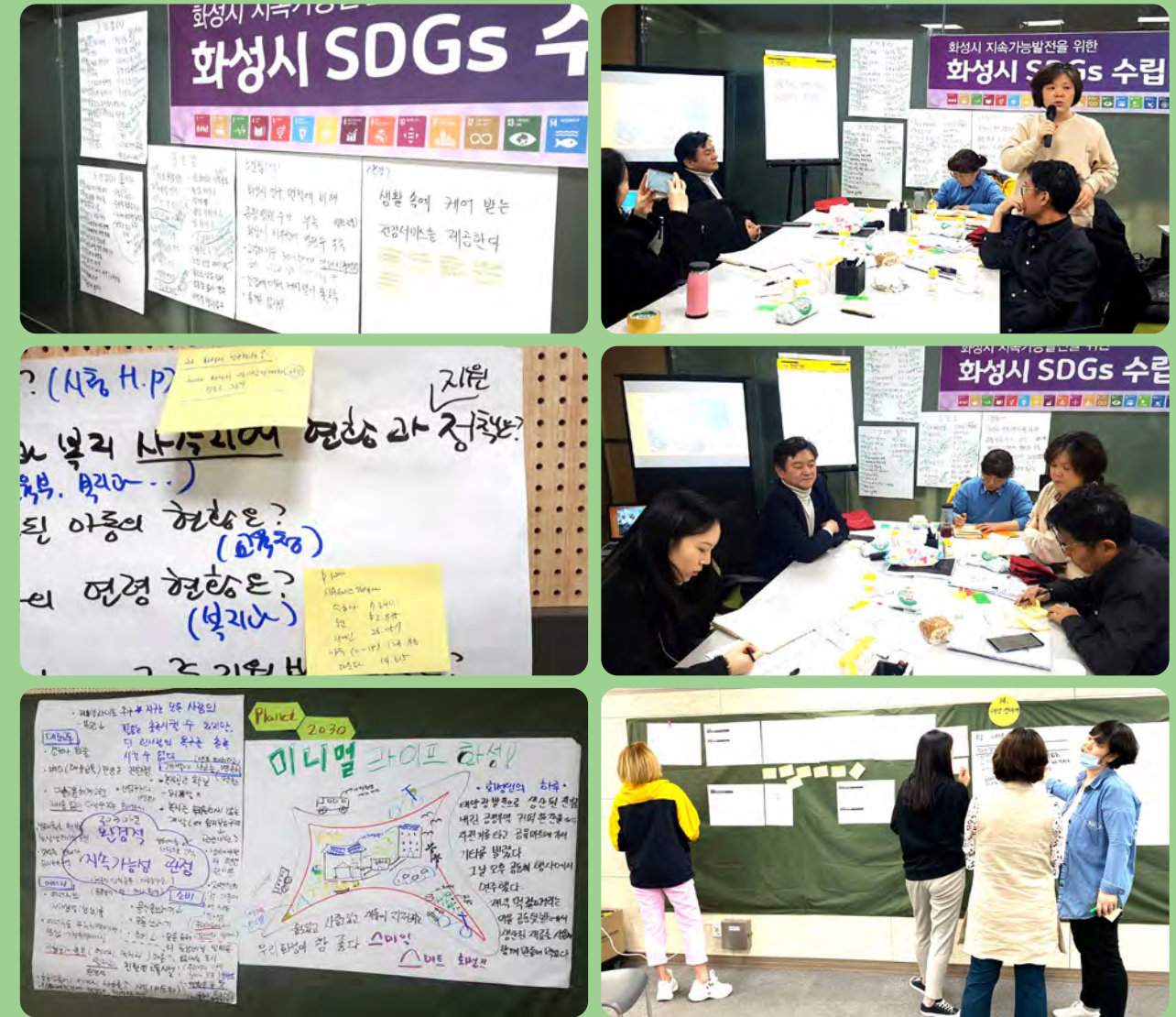
- Comprised of about 30 members, the Hwaseong Sustainable Development Committee was formed and operated in accordance with the Basic Ordinance on Sustainable Development.
- The Committee deliberated on matters regarding the basic strategies for sustainable development, creation/changes of implementation plans, and discussed matters necessary to advance with sustainable development policies, including the suggestion of policy recommendations.

Gather		
Form "HS-SDGs Working Group" equipped with expertise and citizenship to determine Hwaseong's Sustainable Development Goals		
Formation of HS-SDGs Working Group	Searching for and Listing of Sector-specific Keywords	Review of Task-specific Reference Data
Goal-setting Workshop	Unanimous Consensus	Search for Relevant Stakeholders

*** HS-SDGs Working Group (Nov 2019 ~ Apr 2020)**

- The HS-SDGs Working Group was formed and operated as an open forum with the engagement of citizens equipped with expertise and citizenship.
- The working group was comprised of the representatives (from each sector like society, economy and the environment) with expertise and citizenship for sustainable development.
- It set Hwaseong's vision for the SDGs as well as the directions for sector-specific analysis (the environment, society and economy) and strategies.

Order	Description
1 st WG Workshop	(Pilot operation) Determine SDGs # 1, 2, and 3
2 nd WG Workshop	Set Hwaseong's vision for SDGs and sector-specific strategic directions
3 rd WG Workshop	Draw 10 key pieces of information for each of the 17 goals
4 th WG Workshop	Make 17 goals based on sector-specific data List up participants in the MGoS workshop
1 st ~ 3 rd Meetings of Representative Group	Review the Citizen Working Group's strategic directions and progress, and make a plan



*** Research Group per Environment/Society/Economy Sector (Feb to Mar 2020)**

- The Working Group collected goal-specific data to be provided to the MGoS workshop.
- The research group is to review baseline data for identifying the current status of each sector in Hwaseong and for setting the goals.

Collection of baseline data for 17 goals	Environment	Goals : #6,7,13,14,15 / 4 sessions
	Society	Goals : #1,2,3,4,5,11 / 3 sessions
	Economy	Goals : #8,9,10,12 / 3 sessions



*** Listing and Recruitment of Participants in the MGoS Workshop (May to Jul 2020)**

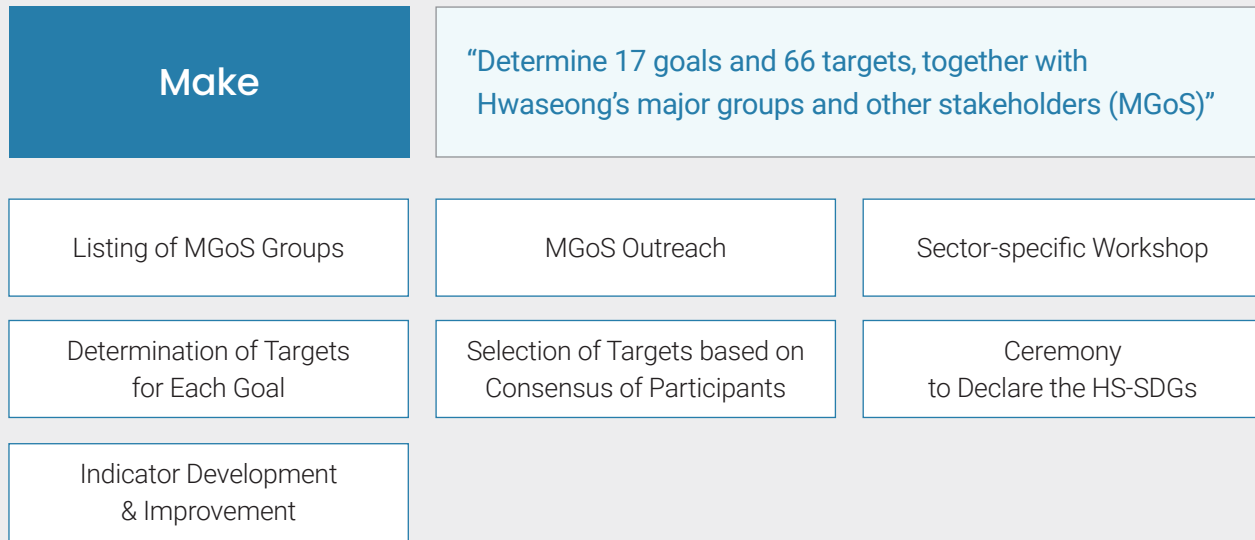
- The city effectively organized major groups and other stakeholders (MGoS) from various sectors involved in determining targets for the 17 HS-SDGs and compiled a list of workshop participants to expand citizen engagement.
- The list of MGoS participants in Hwaseong is as follows.

Sector	Major Participants
Women, Adolescents, Elderly, Migrants	Hwaseong Women Society, Bigger Neighbor Asia, Hwaseong Short-term Shelter for Female Adolescents, Hwaseong Family Consulting, Daol Community Center
Farmers & Fishermen, Laborers, Industries	Juhyeon Farm, Hwaseong iCoop, Hansalim Western Gyeonggi Branch, Dongbu Care, Nationwide Seed Library Association, Connecting Hearts, Hwaseong Chamber of Commerce and Industry, Gonggam Vocational Environment Medical Center, Visiting Doctors Program of Medical Home
Science & Technology, Academia, Training Institutes	Sungkonghoe University, Hanshin University, Cyber University of Korea, University of Suwon, Hwaseong Eco Center, Marine Environment Education Center, Window Art Center, Dawon Ieumteo, Mesh Peace Research Center
NGOs, Local Governments	Hwaseong Federation of Environmental Movement, Imagine Peace, Hwaseong YMCA
The Disabled, Volunteer Groups, Charity Groups/Foundation	Hwaseong Parents Association for the Disabled, Parents Cooperative of Dream Whale Playground, Hwaseong Cultural Foundation
Local Communities	Sanan Town, Dongtan Korean Early Lilacs, Sihwaho EcoPeople, Hwaseong Fair Trade Town Council, Revival of Balancheon Stream, Sanmaru Nature Class, Educational Town Community 'Mesh', Cheongcheongdangdang, Martian Table, Happy Meal Cooperative, Educational Committee of Democratic Citizenship, Balan Mansae Small Library, Hwaseong Citizen Solar Power Cooperative, Hwaseong Osan Education Hope Network, Small Library Association, Hwaseong Eco-tour Cooperative, Hwaseong Social Cooperative of Medical Welfare, Hwaseong Cooperative Association, Hwaseong Pharmaceutical Association
Intermediate Support Orgs.	Ardim Welfare Center, Hwaseong Food Integrated Support Center, Hwaseong Urban Renewal Center, Hwaseong Education Cooperation Support Center, Hwaseong Community Autonomy Center, Hwaseong Employment Center, Hwaseong Municipal Advisory Committee, Hwaseong Social Security Consultative Body
Administration	Welfare Policy Div, Agricultural Produce Distribution Div, Health Administration Div, Life-long Learning Div, Women & Family Div, Autonomous Administration Div, Climate Environment Div, Water Quality Management Div, Renewable Energy Div, Maritime Affairs and Fishery Div, Forest Green Div, Corporate Support Div, Employment Policy Div, Urban Policy Div, Social Economy Div, Strategy Business Bureau

*** Determination of Hwaseong's Vision, 4 Strategies, and 17 Goals under the Citizen-Administration Governance**

- The Working Group devised the vision and 4 strategies and 17 goals based on unanimous consensus through the four workshop sessions, building on the research gatherings and outcomes of data collected.

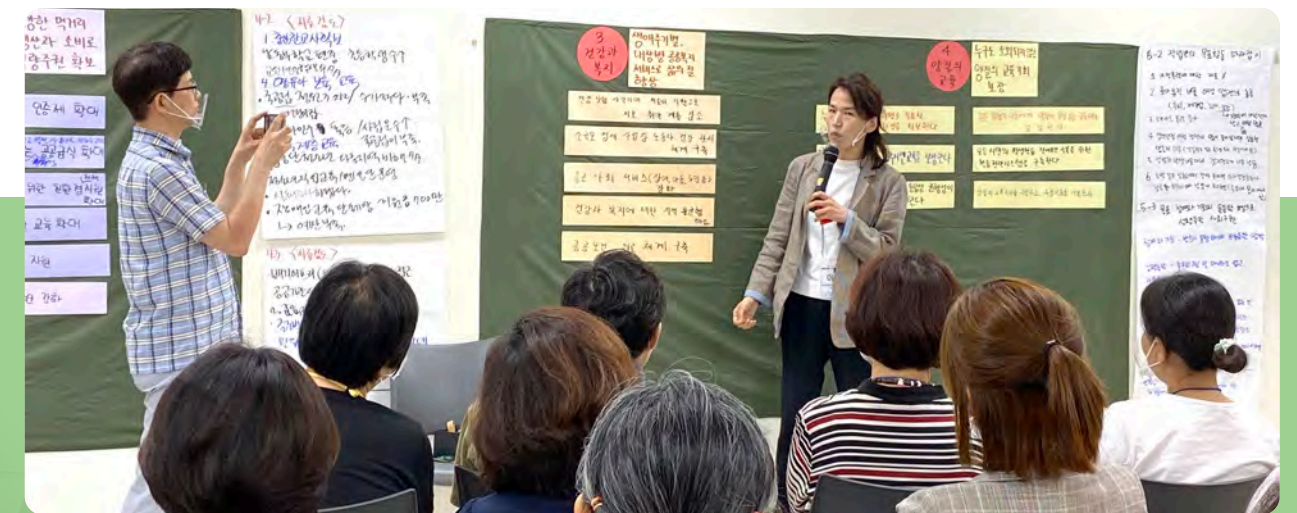




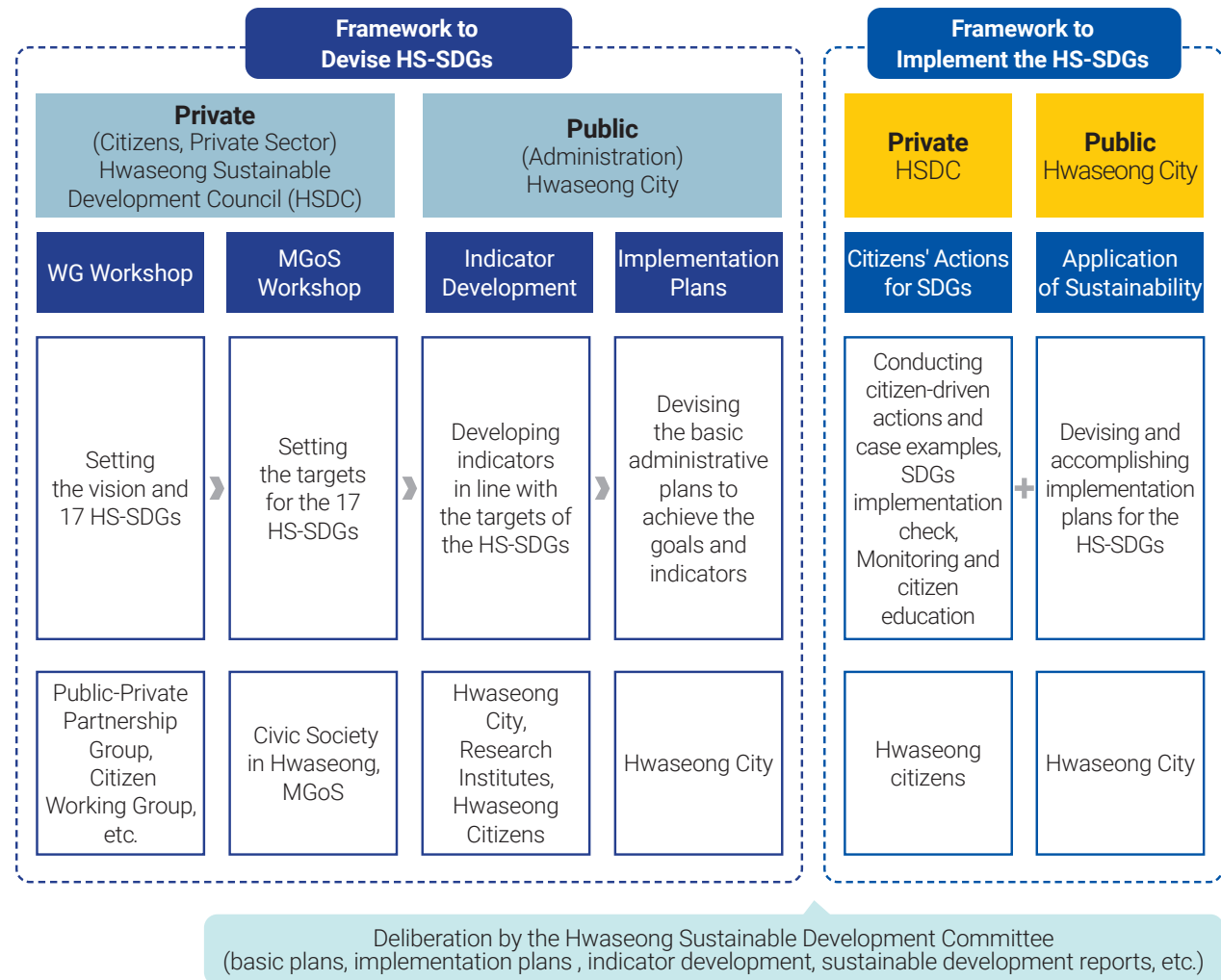
*** MGoS Workshops to Set Targets for the 17 Goals (Apr to Aug 2020)**

- The city identified the local (public-private) MGoS networks linked with the 17 HS-SDGs.
- Workshops were conducted on four occasions covering the three pillars (the environment, society and economy) as well as the prerequisite/methodology.
- An integrated workshop was conducted following the environmental /social/economic workshops.
- Around 100 participants were involved, including 30 participants per workshop (citizens, entrepreneurs, experts, public servants, etc.)
 - ① Listing up MGoS workshop participants by grouping them into the 17 goals
 - ② Visiting all participants in the list and informing them of the purpose of the MGoS workshop and participation details (Jun to Jul 2020)
- They reviewed policies for the 17 HS-SDGs and suggested new policies.

Cls.	1st	2nd	3rd	4th
Sector	Economy	Environment	Society	Prerequisite/ Methodology
Goals under Discussion	Setting the targets for Goals # 8, 9, 10, 12	Setting the targets for Goals # 6, 7, 13, 14, 15	Setting the targets for Goals # 1, 2, 3, 4, 5, 11	Setting the targets for Goals # 16, 17 and overall review



*** Framework to Devise the HS-SDGs through the Citizen-Administration Governance**



*** Determination of 66 Targets for the 17 HS-SDGs**

Vision Hwaseong, a city where everyone can enjoy a life of equality, in harmony with nature

Strategy	Environment	Society	Economy	Prerequisite/Methodology
	Conservation of the ecosystem and energy transition for the sustainable future	A fair and equitable community where no one is left behind	Realization of a city with fairness and co-prosperity through the transition into green economy	System establishment and win-win partnership that guarantees the rights of all life forms

1 Reinforce the social safety nets to end poverty

2 Secure a stable food supply through robust food production and consumption

3 Enhance quality of life throughout the life cycle with target-specific public welfare services

4 Ensure quality education with no one left behind

5 Achieve gender equality by ensuring equal participation and opportunities

6 Ensure safe water management and implement an eco-friendly water circulation system

7 Expand the transition to eco-friendly energy and achieve an energy self-sufficient city

8 Create quality jobs and promote sustainable economic development

9 Increase R&D and build a sustainable industrial infrastructure

10 Address imbalances among districts and classes to achieve a society of equality

11 Create a city with communities that are inclusive, safe and resilient

12 Ensure responsible consumption and production to maintain a virtuous circle of resources

13 Build a strong system to respond to the climate crisis

14 Restore and conserve marine ecosystems through sustainable governance

15 Conserve terrestrial ecosystems by promoting biodiversity

16 Establish transparent and equitable policies that ensure human rights and opportunities for participation

17 Support sustainable development through inclusive domestic partnership and global cooperation

Hwaseong SUSTAINABLE DEVELOPMENT GOALS





*** The HS-SDGs Declaration Ceremony (Oct 2020)**

- Together with citizen representatives, the Mayor of Hwaseong declared the vision to ensure that the HS-SDGs are established as a major direction for the municipal administration and major policies.
- Reporting of the HS-SDGs (environment, society, economy, prerequisite/ methodology) / video report
- Hwaseong's sustainability agreement was signed by MGoS representatives and the Mayor of Hwaseong based on the goals determined by citizens (Hwaseong City, civic groups, enterprises and Hwaseong Sustainable Development Council).
- The membership certificate of the ICLEI - Local Government for Sustainability was granted.



*** Indicator Development for the HS-SDGs (2021 ~ 2023)**

- Indicators for the SDGs are tools used to comprehensively evaluate social and environmental sustainability and suggest directions for improvements.
- Hwaseong developed indicators for the HS-SDGs through the core keyword approach, collection of citizens' opinions, and a sustainable management system.



Criteria for Indicator Selection	Description
Suitability	Are the indicators appropriate to the targets?
Measurability	Is there any current data established in a way that can be measured?
Local Characteristics	Do they address characteristics of Hwaseong?
Connection with SDGs	Are they related to the UN SDGs and K-SDGs?

- The characteristics of the indicators can be summarized as their connection to the basic plans, reflection of citizens' opinions, flexibility in responding to changes in urban conditions and provision of visual information to ensure citizens' easy understanding.
- In 2021, 144 indicators were selected, and then based on the 1st and 2nd review and revision, 63 targets and 117 indicators were finalized in 2023.

Sector	Goals	Targets	Indicators Selected
Society	6	23	50
Economy	4	14	30
Environment	5	19	25
Premise/ Methodology	2	7	12
Total	17	63	117

*** Ecosystem-building for the HS-SDGs**

- In the process of devising the HS-SDGs, MGoS workshops and the declaration ceremony were held, expanding groups of stakeholders and listing them in the public and private areas per goal.
- The ecosystem for the HS-SDGs has been completed by arranging stakeholders to the HS-SDGs based on the list.
- The stakeholders involved in the process are also connected through the participation of members of the Hwaseong Sustainable Development Council, local community networking and public-private governance ensuring that they can later put the HS-SDGs into practice.



Institutionalization and Organization based on the Public-private Partnership to Attain the Global Agenda

The City of Hwaseong has endeavored to ensure participation of various stakeholders (MGoS) throughout the entire process, ranging from planning, implementation, evaluation to feedback, based on the key principle of 'no one is left behind' in implementing the SDGs.

In addition, the city has laid the organizational and institutional groundwork to create a sustainable city through the expansion of citizen engagement and the governance-based municipal administration.

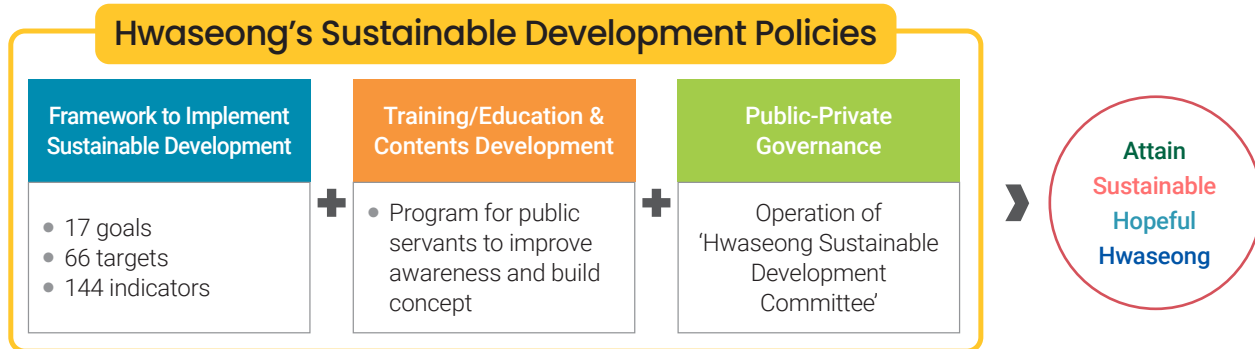


Classification		Description
Organization - based	Team Exclusive for Sustainable Development / Connection with Municipal Policies	<ul style="list-style-type: none"> • Team operation: Sustainable Development Team, Balanced Development Division of the Office of Planning and Coordination <ul style="list-style-type: none"> - Establishing sustainable development policies, basic strategies, implementation framework, etc. • Linking the HS-SDGs with municipal policies <ul style="list-style-type: none"> - The placement of SDG personnel within the organization helps spread the value of sustainable development throughout the administration and use the SDGs as practical agenda.
	Org. Responsible for Sustainable Development	<ul style="list-style-type: none"> • Forming a governance org. for sustainable development and creating the ecosystem <ul style="list-style-type: none"> - (Private) Hwaseong Sustainable Development Council - (Responsible Org.) Hwaseong Sustainable Development Committee (Chairman: Mayor of Hwaseong)
Institution - based	Basic Ordinance on Sustainable Development / Foundation for Implementing Policies	<ul style="list-style-type: none"> • Enacting Hwaseong's Basic Ordinance on Sustainable Development (Jan 2020) <ul style="list-style-type: none"> - Stipulating sustainable development as the key principle of the municipal administration - Hosting a discussion forum together with the city council to enact the Ordinance <ul style="list-style-type: none"> ➔ Laying the institutional groundwork based on the governance and cooperation
	Basic Plans on Sustainable Development Goals (SDGs) / Implementation Plans	<ul style="list-style-type: none"> • Devising the basic principles and plans for the HS-SDGs <ul style="list-style-type: none"> - (Citizen engagement) Formation of Citizen WG and major groups and other stakeholders (MGoS), workshops, expansion of local networks, monitoring, citizenship education - (Administration) Establishing the framework for citizen-driven implementation of the HS-SDGs and achievement of the goals - (Governance connection) Cooperation among citizens, the administration and governance org. (Committee) <ul style="list-style-type: none"> ➔ The vision-strategies-goals-targets-indicators of the HS-SDGs were completed based on the public-private partnership. • Devising the basic plans that include the indicators for the HS-SDGs, implementation plans and evaluation methods
	Operation of Sustainable Development Council and Committee, etc.	<ul style="list-style-type: none"> • Basic Ordinance on Sustainable Development and establishment/operation of the Hwaseong Sustainable Development Council in accordance with the Ordinance

Hwaseong has paved the way for the balanced development of economy, society and the environment by reinforcing the practical implementation of the HS-SDGs through the organizations and frameworks established based on the sustainability management system.

Realization of Sustainable Hwaseong through the Awareness Improvement and Governance

Sustainable Development Training/Education and ESD Implementation Tailored to the Needs of Public Servants



➔ The customized capacity-building training/education was provided to personnel to improve their awareness of the SDGs.

Hwaseong has developed the system that completes the process of planning, implementation/attainment, evaluation and feedback for the HS-SDGs devised under the public-private partnership, in order to establish the sustainable development framework.

Based on the belief that improving the awareness of sustainable development among its internal personnel is essential for reflecting it in policies, the City has also strived to promote capacity-building for employees by continuously operating sustainable development training (brainstorming workshops for sustainable development, the need for SDGs, background and policy reflection).

Additionally, Hwaseong operates 'Hwaseong Sustainable Development Committee,' comprised of the administration, experts and interested parties from each sector, to play a role in suggesting policies, evaluating sustainability and offering deliberation and advice for the efficient implementation of sustainable development.

Year	Description
2021	<ul style="list-style-type: none"> • Capacity-building training for personnel responsible for indicators to reinforce the ability to accomplish the HS-SDGs (the concept and need for Sustainable Development Goals, drawing the future of Hwaseong, buzz sessions, etc.)
2022	<ul style="list-style-type: none"> • Training for public servants in Hwaseong to help them fully understand sustainable development (examples of applying the Sustainable Development Goals)
2023	<ul style="list-style-type: none"> • A campaign (competency test) conducted for all Hwaseong employees to promote the practice of sustainable development • ESG & SDGs training for employees (Need for ESG administration, measures for administrative introduction in Hwaseong, ESG board games, etc.)
2024	<ul style="list-style-type: none"> • Sustainable Development & ESG training in the first and latter half of the year



Introduction and Spread of the HS-SDGs throughout the Municipal Administration

In line with the Basic Ordinance on Sustainable Development formulated in 2020, Hwaseong has developed and implemented its basic plans for sustainable development.

In particular, it has integrated its Sustainable Development Goals with ESG throughout the municipal administration and advanced major projects in each sector, to enhance its execution capacity.



Sustainable Development ver1.0

(Policy-making Period for Sustainable Development, 2019~2022)

Environment	Society	Governance
<ul style="list-style-type: none"> • EV car sharing of official vehicles for the first time nationwide • Grade 1 zero energy in the public structures of Wangbae Green Forest Library • Free transportation services for the first time in metropolitan areas • Devising Hwaseong's Comprehensive Plans on Green New Deal for the first time among local governments 	<ul style="list-style-type: none"> • Excellent local government supportive of children • Enacting the Ordinance on Integrated Caring for the first time in the Province • Implementing the 3Gs (WalkinG, ClimbinG, RunninG) for the first time nationwide • Distributing disaster relief funds to SMEs for the first time nationwide • Excellence Award in Employment Fair • Minister's Award of the Social Economy Assessment • Recognized for its contribution to national disaster management 	<ul style="list-style-type: none"> • Presidential Prize of the Korea Sustainable Development Award • Operating the Sustainable Development Committee • Ranked No. 1 in Korea Local-Autonomy Competitiveness Index • Selected as the best organization of the Comprehensive Assessment of Civil Services • Operation of the Online Policy Advisory Group

Sustainable Development ver2.0

(Integration between Sustainable Development and ESG Administration, 2023~2024)

Improvement of Sustainable Development Framework	Hwaseong's ESG Administration
<ul style="list-style-type: none"> • Devising the basic plan on sustainable development • Improving the indicators for Sustainable Development Goals <ul style="list-style-type: none"> - Enhancing future indicators and those with no data, out of 144 indicators - Developing major ESG indicators and integrating them with SDG indicators • Expand the Sustainable Development Committee to include ESG experts 	<ul style="list-style-type: none"> • Devising the strategy for 'Hwaseong's ESG Administration' <ul style="list-style-type: none"> - Coming up with strategies and major tasks in each sector (environment-society- governance) - Systematic management by connecting major tasks with SDG indicators • Establishing the cooperative system among departments to execute the ESG administration and discover new projects • Activities to improve the awareness: ESG education, forum, etc.

Examples of Citizen-driven Actions by Goal

Hwaseong



Hwaseong's Actions for Sustainability of Future Generations



Hwaseong has made Sustainable Development Goals (SDGs) as the core value of its municipal administration and actively put them into practice, to ensure a better future for generations to come.

In addition to the city's policies and projects, the voluntary participation and cooperation of civil society have also played a significant role in these efforts, including regional organizations, NGOs, and civic organizations. Citizens have actively engaged in various activities to attain the city's Sustainable Development Goals.

The City of Hwaseong has endeavored to achieve its Sustainable Development Goals to hand down a better world to the future generations. Through the following examples, we aim to introduce Hwaseong City's major activities and projects to achieve 17 SDGs.





HS-SDG 1

Reinforce the social safety nets to end poverty

Cherishing each and every citizen, Hwaseong has made efforts to create a heart-warming city where no one suffers from poverty. Poverty is a serious issue that goes beyond economic hardship; it damages individuals' dignity and undermines social development. In this sense, Hwaseong aims to build tightly-knit social safety nets to end poverty and move toward a happy city with no poverty (SDG 1).

- 1-1 Establish the social security system that reaches every nook and cranny**
1-1-1. Number of Community Social Security Plan projects
- 1-2 Identify the disenfranchised, including those in the blind spots**
1-2-1. Number of welfare blind spots identified and the rate of connection to welfare services
- 1-3 Reinforce solidarity and cooperation among local networks**
1-3-1. Number of volunteers participating in local social welfare
- 1-4 Provide settlement supports tailored to the needs of foreign residents**
1-4-1. Budget amount for multicultural/foreign resident support projects
1-4-2. Ratio of foreign nationals utilizing resident welfare facilities



The local community's devoted efforts, making safety nets for children more compact

While the social security nets have been reinforced, there are children who are still waiting for a helping hand. The 'Mansae Small Library' has served as a warm boundary by assisting children in welfare blind spots and foreign children through the region's childcare projects from 2016 to 2021.

The library provides a safe and comfortable place for children to hang out with friends and read various books to nurture their knowledge and imagination. In addition, it operates a Korean language program to help children improve their Korean skills, adjust to school life and actively participate in class. It also discovers children suffering from economic challenges and provides economic assistance needed to maintain their school education in cooperation with relevant organization, helping them to move toward their dreams.

There are many dedicated partners in Hwaseong who are actively supporting healthy growth and dreams of local children. These devoted efforts have contributed to making Hwaseong's safety nets tighter and creating a safe environment where children can grow up happily.

Hwaseong, a heart-warming city that grows together with foreign residents



Hwaseong has provided various support programs to help foreign residents enjoy stable settlement and grow together.

The 'Hwaseong Foreign Welfare Center' takes the initiative of services tailored to the needs of foreign residents, assisting their adaptation to life in Korea. Customized Korean language training is available at various levels, aiming to help them to improve their Korean language skills and engage in daily life and economic activities without difficulty. Furthermore, it enhances their understanding of Korean culture and lifestyle and supports their independence through employment assistance and legal and life consulting.

The city also makes various efforts to promote welfare of foreign residents and protect their rights, such as the operation of childcare facilities and after-school programs for children of foreign nationals. The Foreign Welfare Center offers comprehensive services for foreign residents, including Korean language courses, cultural adaptation programs, employment support, legal consulting and interpretation, helping them resolve difficulties they might encounter while living in Korea and enabling them to stably settle down.

Hwaseong will continue to listen to the voices of foreign residents, provide the resources they need, and work to create a heart-warming and inclusive city that grows together with them.



HS-SDG 2

Secure a stable food supply through robust food production and consumption

Hwaseong aims to provide safe and fresh agricultural products to citizens by expanding eco-friendly agriculture and establishing the local food system. The promotion of urban agriculture encourages citizens to get involved in farming and experience the value of healthy foods. With the introduction of advanced agricultural technologies, the city is also working hard to improve productivity and respond to climate change.

Additionally, Hwaseong has created a culture of healthy diet and sustainable consumption by reducing food wastes and promoting food communities for the marginalized. It has implemented a sustainable food system to secure the health of citizens and food sovereignty.

2-1 Expand the certification process for safe local food in Hwaseong

2-1-1. Number of certificates issued for local food in Hwaseong

2-1-2. Number of safety analyses of agricultural foods

2-2 Reinforce access to safe food and expand its supply

2-2-1. Progress rate of the basic food plans

2-2-2. Supply rate of eco-friendly, certified agricultural foods in public school lunches

2-3 Expand support to create healthier agricultural environments

2-3-1. Ratio of young farmers being nurtured



Taking the lead in production, consumption and circulation of safe food

Hwaseong has made consistent efforts to provide safe and healthy food to its citizens. The 'Hwaseong Basic Food Plan' is the outcome of these efforts. The city has envisioned 'healthy and safe food as the foundation of food welfare for all', strengthening its food policies based on 'Hwaseong Basic Ordinance on Food' formulated in 2021.

Hwaseong also supports eco-friendly farming within the city and expands local food direct sales stores, offering food that citizens can trust. The ingredients used in school meals are strictly managed by the "School Meal Support Center," which conducts thorough pesticide residue testing to ensure safety. Additionally, the city is dedicated to building a sustainable food cycle system through initiatives such as supporting food waste reduction and recycling, promoting urban farming, and offering allotments. In this way, Hwaseong is making multifaceted efforts to ensure safe and healthy food at every stage, from production to consumption and recycling.



Heart-Sharing Meals project, creating a community with warm lunchboxes

The Martian Table (the city's name sounds identical to the Korean word for Mars) is one of the communities in Hwaseong, which takes the initiative in addressing food issues for the vulnerable in the neighborhood through the project called 'Heart-sharing Meals.' Embracing the goal that local residents take action to resolve their own challenges, it provides apartment janitors and cleaners with healthy and warm lunchboxes, fostering an amicable town community.

Through Heart-sharing Meals, the Martian Table not only provides food but also creates opportunities to build relationships and communicate with people from various classes. By doing so, it enhances solidarity among local residents, contributing to a stronger sense of community spirit.

The project also helps to promote the health of the marginalized by sharing nutritious meals, creating positive effects that remind residents of the value of sharing and service.



HS-SDG 3

ReEnhance quality of life throughout the life cycle with target-specific public welfare services

'A healthy and happy life' is a fundamental right for all humanity. Hwaseong has established comprehensive health safety nets to ensure that every citizen can benefit from a healthy life, regardless of their income level, place of residence and age. Its welfare policies include medical fee support for vulnerable individuals neglected by health insurance, health management programs tailored to the needs of the disabled, children and the elderly and public medical infrastructure to bridge regional gaps in medial services.

3-1 Reduce the number of the vulnerable by providing those overlooked by health insurance with medical fee support

- 3-1-1. Health insurance premium support for low-income residents
- 3-1-2. Number of identified individuals eligible for medical emergency support
- 3-1-3. Number of migrant workers and multicultural families in the jurisdiction benefiting from free medical check-ups

3-2 Address regional imbalances in health and welfare services

- 3-2-1. Number of medical personnel per 1,000 population in Eup/Myeon/Dong
- 3-2-2. Performance of the home healthcare management program

3-3 Strengthen public social services (for the disabled, children and the elderly)

- 3-3-1. Early detection rate of senile dementia
- 3-3-2. Rate of support for children under protection

3-4 Establish integrated community care for health and welfare services

- 3-4-1. Number of recovery support projects established for individuals with mental illness and the number of users

3-5 Establish a medical system for public health

- 3-5-1. Ratio of health center users
- 3-5-2. Level of satisfaction with health center services
- 3-5-3. Completeness of epidemiological surveys in response to infectious diseases

Warm gesture toward the health right of migrants in the blind spots of health insurance



Although health insurance is considered a crucial safety net in our society, unregistered migrants and refugees remain vulnerable to diseases or injuries as they are excluded from insurance benefits. Recognizing this issue, the Gonggam Vocational Environment Medical Center is involved in a project to promote the health right of unregistered migrants and refugees by supporting medical fees.

The Medical Center helps them receive treatment in a timely manner and regain their health through medical fee support. Furthermore, it offers medical fee discounts for out-patient treatment, facilitates connections to tertiary hospitals, when needed, and enhances access to services through advertising and promotion in multiple languages. The Center also strives to enhance the understanding regarding migrants and create non-discriminatory medical environments by providing human rights training for medical personnel.

As a result of these efforts, unregistered migrants and refugees have been able to improve their health and prevent dangerous situations that could lead to serious complications or surgeries through treatment at an early stage. Moreover, this medical support helps them develop a sense of solidarity and belonging to the local community, enabling them to live healthier lives.



HS-SDG 4

Ensure quality education with no one left behind

Education is the key growth engine for personal growth and social development. Hwaseong ensures equal access to quality education opportunities for all citizens, fosters creativity and critical thinking beyond simple delivery of knowledge, and promotes education that nurtures the ability to respect diversity and collaborate with others.

The city aims to provide quality education opportunities to all citizens in an impartial manner. This is not simply about delivering knowledge, but about supporting the growth of citizens through education that fosters creativity, critical thinking, respect for diversity and a sense of community.

4-1 Ensure educational conditions and learning environments needed for all throughout the life cycle

4-1-1. Number of life-long education programs and participants

4-2 Provide free but quality primary and secondary education for all school-aged students

4-2-1. Budget amount for projects to support out-of-school adolescents

4-2-2. Growth rate of independence achievements among out-of-school adolescents

4-2-3. Number of supports for teenager human rights education programs

4-3 Ensure sustainable development education in daily life for everyone

4-3-1. Number of participants in sustainable development education

4-3-2. Number of educational programs launched/operated for democratic citizenship education

4-4 Build the quality education values and develop measurement indicators

4-4-1. Rate of the budget for school education support to the overall budget

4-4-2. Budget execution rate for educational facility improvement projects

4-4-3. Number of participants in programs of Hwaseong's Free Semester System

4-4-4. Establishment of collaboration organizations for the Innovative Education District



Hwaseong taking the lead in spreading ESG values and sustainable development education

Hwaseong has actively engaged in the spread of ESG (environment, society, governance) values and the implementation of the SDGs to evolve into a sustainable city.

Hwaseong provides ESG education for the city's public servants to raise the awareness of ESG in the public administration for a sustainable future. Expert lectures are offered to senior public officials regarding global ESG regulations and the city's roles whereas SDG-integrated training is provided to working-level public servants to strengthen their ESG capacities.

The Hwaseong Sustainable Development Council enhances citizens' understanding of the SDGs through a UNESCO-certified education program called 'One SDG Story After Another.' The program aims to deliver the values of the SDGs in an engaging and fun way, covering all five Ps (People, Planet, Prosperity, Peace and Partnership) while empowering participants to plan and take their own actions. It also offers educational services befitting various groups of participants, including schools, companies and civic organizations, and further expands programs linked with school education to train future generations.

Hwaseong will continue to work toward internalizing the ESG values in its administration and create a sustainable future together with citizens.

Hwaseong as a cultural community heading toward the world



Hwaseong City is a multicultural community where people of various nationalities live together. At the heart of this environment, the Daol Community Center plays a key role in realizing the value of coexistence. The center aims to create an inclusive village community where residents from diverse backgrounds—such as North Korean defectors, multicultural families, migrants, and foreign nationals—can live harmoniously with native citizens. By fostering understanding of cultural diversity and exploring pathways to coexistence, the center promotes equality and integration within the community.

In particular, the center pursues both personal empowerment and community development through adult learning programs. These programs enhance intergenerational communication and understanding, gather diverse perspectives to create local culture, and contribute to the creation of professional job opportunities. To foster "visitable villages" and "participatory villages," the center hosts events such as the Global Culture Village Festival and Our Treasure Market. It also offers various training courses to develop resident instructors, equipping them with the skills to lead and teach within the community.

In this diverse community, residents learn methods of coexistence, explore ways to live together beyond generational, cultural, historical, and religious differences, and work toward developing into a global cultural community. These efforts align with Hwaseong City's governance goal of "Happiness for All" and support its vision of becoming a world-renowned cultural city.



HS-SDG 5

Achieve gender equality by ensuring equal participation and opportunities

Hwaseong strives to build a society where all the citizens can enjoy equal opportunities and realize their potential regardless of gender. To this end, the city deploys policies across various sectors, to expand women's social involvement, support their economic independence, prevent violence against women and assist victims, and improve the awareness of gender equality.

- 5-1 Support customized education to enhance gender sensitivity**
 - 5-1-1. Budget amount for gender equality education
- 5-2 Ensure equal opportunities for women to participate in public life**
 - 5-2-1. Ratio of female chairpersons and vice chairpersons in the city's various committees
 - 5-2-2. Gender ratio of senior public officials in the city's public institutes
 - 5-2-3. Ratio of female representatives in the local assembly
- 5-3 Actively support caregivers in achieving a balance between work and family**
 - 5-3-1. Ratio of public pre-kindergartens
 - 5-3-2. Ratio of employees utilizing parental leave among the city's workforce
 - 5-3-3. Progress rate of after-school programs
 - 5-3-4. Number of cases supporting female violence victims



Hwaseong City Youth: Opening a Gender-Equal Future with GenderON

The "Net of Peace Research Institute" has been running the "Youth GenderON" program, designed to enhance gender sensitivity among teenagers. The program aims to empower young people to actively contribute to creating a gender-equal society by fostering their gender awareness and critical thinking.

GenderON provides training on gender sensitivity, teaching participants to recognize and address discriminatory elements in daily life. It also offers education on diverse feminist perspectives, helping youth to shape and articulate their own views. In addition, the program addresses digital sexual violence, covering its types and prevention methods to ensure a safe online environment. Through discussions on queerness and diversity, participants learn to break free from gender stereotypes and cultivate mutual respect.

By enhancing gender sensitivity, GenderON supports teenagers in building healthier relationships and leading freer, more fulfilling lives. Ultimately, the program helps nurture them as active agents in creating a gender-equal society.



HS-SDG 6

Ensure safe water management and implement an eco-friendly water circulation system

Hwaseong makes its utmost efforts to provide clean and safe water to citizens in a stable manner amid rapidly growing urbanization and industrialization.

Various efforts include the expansion and improvement of waterworks facilities to secure clean water, prevention of water pollution and advancement of wastewater treatment facilities. In addition, the city has established an effective water management system in response to the issue of water scarcity, including the implementation of water re-use systems, utilization of rainwater and management of groundwater.

6-1 Expand the supply of wastewater purification facilities to improve the quality of rivers and establish a strong institutional (regulatory) framework

6-1-1. Implementation of Total Water Pollution Load Management System

6-1-2. Inspection rate of wastewater emission facilities and livestock excreta discharge facilities

6-1-3. Percent of sewered population by region

6-2 Establish a circulation system for water reuse

6-2-1. Treatment capacity and utilization of water reuse facilities

6-3 Secure the soundness of aquatic ecosystems

6-3-1. Progress rate of river and lake monitoring

Working together with citizens to improve the quality of rivers



Hwaseong is cooperating with citizens to make a clean environment for its rivers. For instance, the Hwaseong Federation for Environmental Movement conducts water quality surveys of rivers and streams across Gyeonggi Province, thoroughly investigating the water quality of 78 rivers and streams in Hwaseong and documenting the pollution levels from the upstream to the downstream. Samples collected at some downstream points are sent to specialized organizations for the analysis of water quality.

Based on the survey results, 30 rivers and streams with the worst quality were selected in the southern part of Gyeonggi Province. In 2022, these rivers and streams, including seven located in Hwaseong, were designated as objects of priority control. The survey has contributed to identifying rivers whose improvement of water quality is urgent while also raising citizens' awareness of water quality by accurately diagnosing the current conditions. Furthermore, the city has taken steps to improve water quality by coming up with systematic control measures for those under priority control and securing the budget required for these efforts.



HS-SDG 7

Expand the transition to eco-friendly energy and achieve an energy self-sufficient city

Hwaseong has been active in expanding eco-friendly energy to combat climate change and promote sustainable urban development. For instance, it has expanded renewable energy generation facilities, such as solar and wind energy and increased energy self-sufficiency through the establishment of energy storage systems. The city has also engaged in various efforts, such as improvement of building energy efficiency, energy-saving projects and energy education targeted at citizens, to increase energy efficiency.

7-1 Expand the ratio of renewable energy

7-1-1. Supply of renewable energy

7-2 Lay the groundwork for energy self-sufficiency

7-2-1. Supply of solar photovoltaic power facilities

7-3 Reduce energy consumption and increase efficiency

7-3-1. Support funds for energy efficiency projects

7-4 Raise the awareness of eco-friendly energy

7-4-1. Budget for eco-friendly energy education, the number of programs and participants who completed the training





Hwaseong shedding the light on a sustainable future through education to foster energy prosumers

Hwaseong provides training to foster energy prosumers, focusing on the fundamental understanding and need of eco-friendly energy as well as actions for energy self-sufficiency. The training is intended to help activities promote the transition to eco-friendly energy in the local community and contribute to establishing the energy system for sustainable management and self-sufficiency.

Along with the programs designed to nurture energy prosumers, the Hwaseong YMCA has also stepped up to help local residents play a key role in energy production and consumption while spreading the culture of eco-friendly energy use. This training provides participants with practical knowledge about energy saving and use of renewable energy and helps them actively engage in self-production and consumption of energy.



HS-SDG 8

Create quality jobs and promote sustainable economic development

Hwaseong City is committed to strengthening the competitiveness of businesses by fostering small and medium-sized enterprises (SMEs), supporting startups, and developing industrial complexes. The city offers various employment support programs tailored to different demographics, ensuring that everyone has the opportunity to work. Customized support is provided for youth, women, and seniors, along with vocational training programs to help individuals develop the skills needed for the future society. Furthermore, Hwaseong City works to protect workers' rights, create safe workplaces, and support a balanced work-life environment.

8-1 Reinforce policies that support sustainable companies to create decent jobs

8-1-1. Rate of safety inspections conducted at industrial complexes

8-1-2. Sales growth rate among local companies

8-1-3. Budget amount for job creation and business support

8-2 Identify and support jobs tailored to local needs in collaboration with citizens

8-2-1. Number of participants in supportive programs and training for middle-aged adults

8-2-2. Budget amount for employment and start-up support

8-2-3. Number of social enterprises and cooperatives registered

8-3 Expand welfare infrastructure to create a city where people want to live and work

8-3-1. Number of public welfare facilities for workers

8-3-2. Ratio of public rental housing to the total housing stock

Stories of labor environments told by our young workers

The Gonggam Vocational Environment Medical Center held its 3rd Youth Labor Safety and Health Contest to ensure that the city's adolescents and youth can work in a safe and healthy environment.

The contest provided adolescents and youth with opportunities to share their experiences and think about how to solve their problems by writing labor journals or picture diaries regarding hazards, work-related stress, issues with working hours and occupational accidents while doing part-time work, on-the-job training and at the workplace.

In particular, the contest was intended to highlight the importance of safe working environments while sympathizing with difficulties that youth would experience in their real life, such as long working hours, the lack of rest time and work-related stress.

Going beyond sharing their labor experiences, it served as an opportunity to create a social consensus on the challenges that adolescents and youth face in labor environments and take the first step toward making an improvement. It also reminded many once again of the need for safe and sustainable labor conditions.



HS-SDG 9

Increase R&D and build a sustainable industrial infrastructure

Hwaseong City is actively investing in expanding R&D, which will be the key driving force for future industries, thereby laying a solid foundation for sustainable growth. The city supports the innovative technology development of businesses and strengthens collaboration between industries, academia, and research institutions to create synergies. Additionally, Hwaseong is focused on expanding transportation infrastructure, such as roads, railways, and ports, to improve logistics efficiency, enhance business competitiveness, and ensure convenient mobility for citizens, while also building a sustainable industrial infrastructure.

9-1 Expand green transportation infrastructure (including eco-friendly transport, road networks, vehicles and charging stations)

9-1-1. Modal share of public transit

9-1-2. Ratio of city and town buses under public operation

9-1-3. Penetration rate of hydrogen vehicles, electric cars and charging stations

9-2 Establish infrastructure for youth start-ups

9-2-1. Budget amount for support of youth start-ups

9-3 Provide consulting and financial aid for SMEs

9-3-1. Budget amount for SME support funds



Sustainable Development, Spoken by Youth

Through the "Youth Voices Guaranteed Talk Show" project by Cheongcheongdang, which conducts youth career mentoring and youth activity projects, the activities of youth groups that participated in the 2020 Korea Sustainable Development Conference's Sustainable Studio were further developed by linking them with the Sustainable Development Goals (SDGs) and encouraging active youth participation.

To capture the diverse voices of youth, the Blank Talk format was used. The discussions spanned a wide range of topics, including agriculture/food, employment (startups), culture and arts, the environment, gender, education, and media. These discussions were linked to the SDGs, allowing for in-depth conversations based on the direct experiences and concerns of youth in these areas. The content of these discussions was produced into videos and uploaded to a YouTube channel, which helped share the messages with a broader audience and raised social awareness about sustainable development.

Additionally, through the Blank Talk Concert, participants engaged in interesting discussions using items, services, videos, and performances related to their activities. This process facilitated the exchange of ideas and experiences, allowing participants to inspire each other and explore the direction of their activities for sustainable development.



HS-SDG 10

Address imbalances among districts and classes to achieve a society of equality

Hwaseong City is working to enhance the quality of life in underdeveloped areas by expanding urban infrastructure and improving access to education, culture, and healthcare services to ensure balanced regional development. The city is also strengthening support policies for socially vulnerable groups, leading efforts to address social inequalities. By helping low-income individuals, people with disabilities, seniors, and women achieve economic independence and expanding opportunities for social participation, Hwaseong City ensures that everyone can live a dignified and happy life as a valued member of society.

- 10-1 Expand mobility rights and accessibility to social infrastructure befitting regional characteristics**
 - 10-1-1. Average No. of free riders per month
 - 10-1-2. Installation (maintenance) of pedestrian walkways
 - 10-1-3. Ratio of unprofitable routes
- 10-2 Ensure policy equalization and facility expansion for each disability area**
 - 10-2-1. Number of programs and users per disability type
 - 10-2-2. Number of welfare facilities for the disabled
 - 10-2-3. Social participation index for the disabled
- 10-3 Strengthen the social safety nets for public care (the disabled, the elderly, children)**
 - 10-3-1. Number of welfare and medical facilities in each region
 - 10-3-2. Growth rate of public care services
- 10-4 Expand the system that guarantees rights to address economic inequality**
 - 10-4-1. Rate of nursing homes participating in social volunteer activities
 - 10-4-2. Rate of safety inspections conducted by labor safety guards

Darkness Musical Performance with Visually Impaired Participants



To create a society where people with and without disabilities can live together harmoniously, Life Edit Cooperative presents a unique performance, the "Darkness Musical," which is enjoyable for both visually impaired and non-disabled audiences. The Darkness Musical is a new type of performance that relies solely on sound, experienced in complete darkness. This provides visually impaired individuals with a special opportunity to enjoy performing arts, while offering non-disabled audiences a chance to awaken their senses beyond sight and gain a deeper understanding of disability.

The Life Edit Cooperative goes beyond simply allowing visually impaired individuals to watch a performance by recruiting and nurturing visually impaired actors to participate on stage, dedicating efforts to the production of Darkness Musicals. This initiative not only expands cultural and artistic participation for visually impaired individuals but also contributes to job creation. The Darkness Musical, born from this effort, is performed not only as a self-produced show but also in various locations, including Hwaseong City, local governments, welfare centers for people with disabilities, and schools for the blind, touching the hearts of many people.



HS-SDG 11

Create a city with communities that are inclusive, safe and resilient

Hwaseong City is committed to creating a pleasant and safe urban environment. By improving air quality, expanding green spaces, and establishing an eco-friendly transportation system, the city is working to ensure that citizens can live in a healthy and comfortable environment. Additionally, through crime prevention efforts and strengthening disaster response systems, Hwaseong prioritizes citizen safety in its development. The city also supports its residents by building convenient public transportation, improving housing conditions, and expanding cultural and recreational facilities, enabling citizens to enjoy the convenience of urban life and access various cultural benefits.

11-1 Pursue sustainable urban design through green architecture and energy regeneration

11-1-1. Number of eco-friendly, urban renewal new deal projects

11-1-2. Rate of applying the design criteria for green architecture

11-2 Establish a platform to nurture civic experts by promoting citizen autonomy

11-2-1. Number of educational programs that reinforce local autonomy and the number of participants

11-2-2. Number of participants (voters) in residents' general assembly

11-3 Expand the quality cultural/artistic infrastructure easily accessible and reachable for everyone

11-3-1. Budget amount for supporting small libraries

11-3-2. Number of small libraries

11-3-3. Budget amount for culture and arts

11-3-4. Number of spaces dedicated to adolescents

11-4 Promote local communities through active communication among local residents

11-4-1. Number of participants in local community support projects

11-4-2. Number of spaces for local community activities

11-4-3. Number of communities participating in the local community projects



Support for multicultural family club gatherings, such as 'Trong, the Vietnamese traditional percussion'

Hwaseong supports cultural activities for foreign residents in their native languages, enhancing mutual understanding and fostering a sense of community spirit. In particular, at Cultural Togetherness Space Seoro, it has recruited foreign residents interested in their own traditional instrument and provided the 'Trong' lessons, the traditional Vietnamese percussion, to spread the value of cultural diversity.

During the 'Trong' lessons, participants learn Vietnamese traditional music and have the opportunity to understand each other's cultures while playing the instrument together. In addition, a regular recital is held to provide citizens with opportunities to exchange ideas, share various cultures and foster harmony. Foreign residents who complete the 'Trong' lesson can perform at various occasions, such as

'Foreign Residents Harmony Festival', 'Hwaseong Performance Art Festival', and 'Hyangnam-eup Resident Autonomy Festival', creating opportunities to promote Vietnamese traditional music and engage with local residents.

These multicultural family club gatherings foster cultural empathy among participants and improve the quality of life through expression of their heart. They provide an opportunity for migrants and native residents to recognize multicultural characteristics, respect one another and share their cultures. In addition, it helps identify human resources in the local community, enhance capacities and spread the value of cultural diversity.



HS-SDG 12

Ensure responsible consumption and production to maintain a virtuous circle of resources

Hwaseong City is making various efforts to reduce waste generation and increase recycling rates. The city is promoting policies that maximize the use of recyclable resources and reduce landfill space. In addition, Hwaseong is encouraging voluntary participation from citizens through various educational and promotional activities. The city also supports businesses in producing eco-friendly products and helps consumers make environmentally conscious choices through eco-friendly product certifications, green purchasing support, and environmental education. These efforts are aimed at spreading a culture of sustainable production and consumption.

12-1 Cooperate with industry, private and public sectors for the virtuous circle of recycling

12-1-1. Amount of recyclable resources collected per resident

12-2 Create an ecosystem to expand sustainable and eco-friendly production and consumption

12-2-1. Growth rate of areas certified as eco-friendly agriculture

12-3 Establish a public management system for responsible production and consumption

12-3-1. Rate of green procurement by public institutions

12-3-2. Ratio of green products certified at local businesses

12-4 Spread value awareness through ethical consumption

12-4-1. Growth rate of households enrolled in the carbon neutral point (energy) system

12-4-2. Local food distribution index

12-4-3. Ethical consumption and value awareness education throughout the life cycle





Clothes revival: a small action for a sustainable future

In the culture of rapidly changing fast fashion, buying and discarding clothes easily leaves a huge footprint on the environment. Hansalim Western Gyeonggi Cooperative suggests ways to reuse clothes that are no longer worn through its 'Clothes Revival campaign', contributing to reducing environmental pollution and fostering a culture of sustainable consumption.

Its online campaign informs people about the impacts that discarded clothes have on the environment, helps people donate their second-hand clothes by placing collection bins at Hansalim stores, and also encourages participation by suggesting ways to donate clothes when ordering a new item.

In front of Hansalim stores in Hwaseong, the Clothes Revival Market took place, granting the new value to garments and items collected. As a result, 5,202 kg of clothes were donated to help build Al-Khair Academy, and the proceeds from the market were delivered to provide local neighbors with daily necessities and groceries.

This 'Clothes Revival Campaign' reminds us of the importance of reuse and recycling, highlighting how crucial these small actions are in protecting the environment. It once again tells us that sustainable consumption is the way forward for all of us.



Adolescents in Hwaseong learning and practicing the value of fair trade

The Haengjin Career Education Cooperative operates the 'Fair Trade Class for Adolescents' to teach young people in Hwaseong about the significance of fair trade and ethical consumption. Beyond simply understanding the concept of fair trade, this class offers an opportunity to realize how our purchases can contribute to achieving the SDGs.

In particular, it teaches how fair trade can realize "responsible consumption and production" and helps participants understand the importance of the process where producers are treated fairly and products are produced in consideration of the environment. Through this, we've come to realize the products that we purchase are not just for consumption, but represent small actions to attain the SDGs.

The education provided a crucial opportunity where adolescents can learn the value of ethical consumption and ways to put the SDGs into action through fair trade. Based on these experiences, students will spread the culture of sustainable consumption in their daily life. In particular, future generations will also play a key role in making our world fairer and more sustainable.

Let's play at Hwaseong Farmers' Market Farm, where people can share and learn together



As a joint project with the 11th Economic Committee of the Hwaseong Sustainable Development Council, "Let's Play at Farmers' Market Farm" is an event led by activists from Hwaseong's Economic Committee to offer a crucial opportunity for local residents to learn and practice sustainable consumption and production.

Participants shared various foods made from fresh agricultural produce cultivated in Hwaseong and experienced the value of locally produced goods. The event also served as an opportunity for participants to recognize the importance of ethical consumption while sharing food, and to develop consumption habits that consider the environment by practicing zero wastes.

Especially, participants got rid of disposable products by bringing their own tumblers and plates to enjoy food, actively contributing to environmental protection. Furthermore, they had the opportunity to experience sustainable consumption by using plastic lids instead of paying an admission fee.

The event was not just a sales event but a chance for people to practice a consumption culture in consideration of the environment and social responsibilities through locally-grown agricultural produce and zero-waste activities. It was indeed a crucial time for participants to recognize the value of sustainable life and put it into practice.



HS-SDG 13

Build a strong system to respond to the climate crisis

Hwaseong City is establishing a Carbon Neutrality Basic Plan as a strong institutional measure to reduce greenhouse gas emissions. The city is promoting policies to improve energy efficiency and expand the use of renewable energy, while encouraging citizen participation in reducing carbon emissions. Additionally, Hwaseong is making various efforts to minimize the damage caused by climate change. The city is building urban infrastructure to prepare for extreme weather events such as heatwaves, heavy rain, and droughts, while strengthening education and awareness campaigns to enhance citizens' safety consciousness.

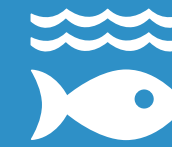
- 13-1 Conduct surveys on a regular basis and secure data to identify the current status of greenhouse gases (GHGs) emissions per source**
 - 13-1-1. Total GHG reductions
 - 13-1-2. Average concentration of particulate matters (PM2.5) over the past five years
- 13-2 Devise long/short-term plans to deal with the climate crisis**
 - 13-2-1. Ratio of excellent assessment for Hwaseong's Detailed Implementation Plan on Climate Change Adaptation
- 13-3 Establish practical systems to respond to the climate crisis**
 - 13-3-1. Budget and No. of cases in implementing climate change adaptation
- 13-4 Come up with actions together with citizens**
 - 13-4-1. Emergency action activities against the climate crisis and establishment of public-private governance
 - 13-4-2. Budget, the number of programs and participants in climate change response education

'Our Neighborhood Factory Map', leading the efforts to ensure the right to know and solve environmental issues



Hwaseong conducted an activity called "Our Neighborhood Factory Map" to conduct a fact-finding survey on local workplaces with frequent civil complaints. It is intended to pinpoint any hazardous substances emitted by factories and industrial facilities in Hwaseong and assess the impacts on the health of local residents. Based on the findings, the "Our Neighborhood Factory Map" was created to provide residents with easy access to the accurate information.

The Hwaseong Council for Citizens' Right to Know Chemicals has paved the way to alleviate vague fear by informing local residents of what is being produced in neighboring factories and address the issues that have to be tackled in a practical manner. It encourages residents to collectively focus on the surrounding environments, organizes gatherings and forums with companies in the nearby industrial complexes and provides communication channels and clues for problem-solving.



HS-SDG 14

Restore and conserve marine ecosystems through sustainable governance

Hwaseong City is making various efforts to pass down its rich marine ecosystems, such as the Maehyangri tidal flats and Hwaseong Lake, to future generations. The Maehyangri tidal flats, once damaged, have regained vitality through ecological restoration, and Hwaseong Lake is being protected as a safe habitat for migratory birds. To ensure a clean sea, the city supports marine litter collection activities and the retrieval of abandoned fishing gear, while also running campaigns and educational programs to encourage citizen participation.

14-1 Designate marine sanctuaries

14-1-1. Foundation-building for the restoration of coastal wetlands

14-2 Create marine environments without wastes

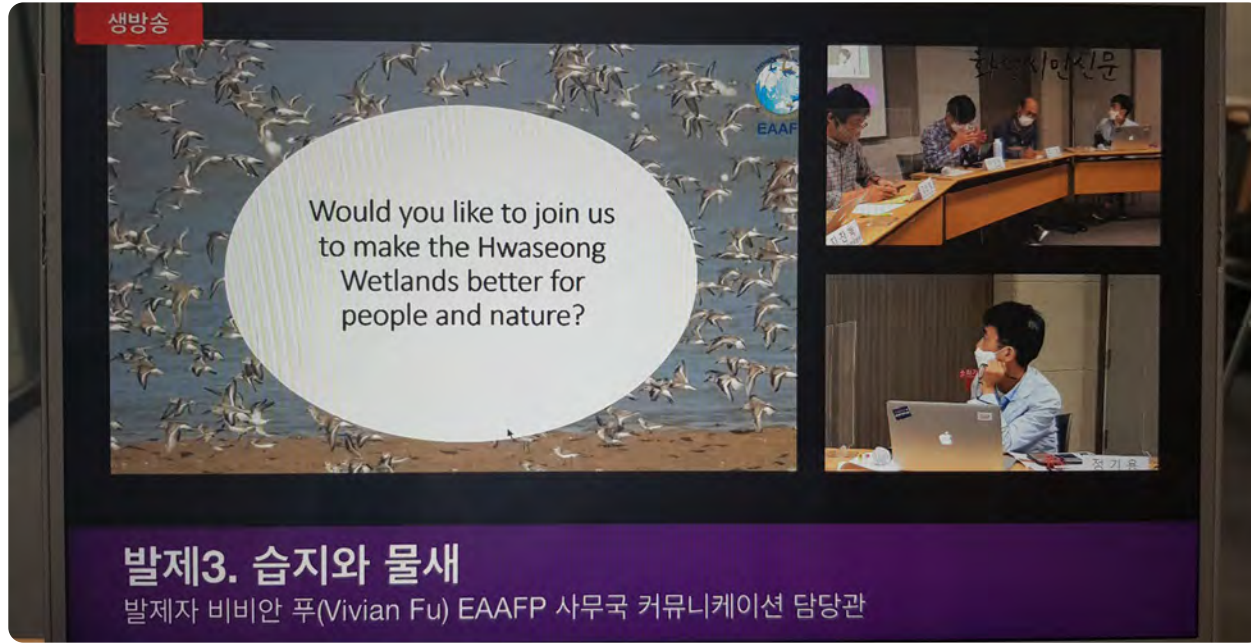
4-2-1. Monitoring of marine wastes and the amount of marine wastes generated and collected

14-3 Establish marine networks with local governments in neighboring coastal areas

14-3-1. Number of marine networks established and their activities

14-4 Raise the awareness of marine ecosystems

14-4-1. Number of participants in marine ecosystem education



Conservation of Hwaseong wetlands

There are many wetlands in Hwaseong. The city made efforts to designate Maehyang Tidal Flats as a protected wetland area, by raising the awareness among local residents and citizens and building the public-private governance. It conducted a signature-collecting campaign to urge the designation of Maehyang Tidal Flats as a protected wetland area, along with a press conference. It also hosted an online celebration event for citizens to commemorate the designation. Furthermore, a forum was held to discuss the potential designation of the inner section of Hwaseong Wetlands as a protected area. As a result, on July 21, 2021, Maehyang Tidal Flats were designated as a protected wetland area.

Coexistence of Migratory Birds and Humans: Hwaseong Wetlands International Symposium

To preserve the Hwaseong Wetlands, a treasure trove of biodiversity with high ecological value, and explore sustainable usage strategies, Hwaseong City hosted an international symposium from 2019 to 2021.

The first symposium, held in May 2019 under the theme "Hwaseong Wetlands: Connecting Sky, Sea, and Life, Painting Hope," brought together domestic and international experts, NGOs, and citizens to share successful wetland conservation cases and discuss ways to manage wetlands in collaboration with local communities. A key highlight was the Hwaseong Wetland bird-watching program, which offered participants a direct experience of the wetland's biodiversity.

In December 2020, due to the COVID-19 pandemic, the symposium shifted online with the theme "Hwaseong Wetlands: The Center of the East Asia-Australasia Flyway Network." In collaboration with the East Asia-Australasia Flyway Partnership (EAAFP)

Secretariat, the symposium reevaluated the conservation value of the Hwaseong Wetlands and explored international cooperation strategies to protect migratory bird routes.

The second symposium, held in November 2021 under the theme "Embracing Wetlands, Connecting Hwaseong, Opening the Future," celebrated the designation of Maehyangri Tidal Flats as a protected wetland area. The event focused on conservation and management strategies for Hwaseong Wetlands, as well as citizen involvement in wetland protection efforts.

Over three years, these symposiums raised the international profile of the Hwaseong Wetlands, strengthened domestic and international networks for wetland conservation, expanded citizen participation, and laid the groundwork for the sustainable preservation of the wetlands.





HS-SDG 15

Conserve terrestrial ecosystems by promoting biodiversity

Hwaseong City is committed to protecting and restoring valuable terrestrial ecosystems, such as forests, wetlands, and rivers, which are home to diverse species. The city is working to restore damaged ecosystems, connect habitats, and eliminate invasive species to preserve biodiversity. To allow citizens to enjoy living in harmony with nature, Hwaseong has developed ecological parks, forest trails, and nature learning centers. The city also offers various ecological education programs to promote awareness and appreciation of the natural environment.

- 15-1 Conserve the ecosystem through the restoration of soil health**
 - 15-1-1. Support for the supply of organic fertilizers
 - 15-1-2. Rate of soil pollution testing achieved for areas of concern
- 15-2 Expand protected areas for biodiversity**
 - 15-2-1. Habitat areas for wild species and the management measures conducted
- 15-3 Strengthen citizenship education to enhance awareness of biodiversity**
 - 15-3-1. Operating ratio of ecological environment education and experiences in collaboration with citizens
- 15-4 Maintain the balance of the ecosystem by controlling species disturbing the terrestrial and river ecosystems and managing wastes**
 - 15-4-1. Number and distribution of species under control due to their disturbance on the ecosystem
 - 15-4-2. Amount of (industrial, agricultural) wastes collected



Hwaseong fostering citizens' ecological sensitivity through exploration of the biodiversity in urban forests

Hwaseong City is making various efforts to share the value of its forests and biodiversity with its citizens and raise ecological sensitivity. The Hwaseong City Sustainable Development Council organizes the "Hwaseong Urban Forest Biodiversity Exploration," which plays a crucial role as a citizen-participation-based ecological education program.

In this exploration, general citizens, ecological experts, and local environmental organizations participate together. Participants choose areas of interest and collaborate with experts and environmental groups to conduct species surveys and participate in on-site education. By directly observing and experiencing the process, participants gain a deeper understanding of the importance of biodiversity. The survey results, including a species list, are compiled and used as educational materials for future ecological programs. Through this initiative, Hwaseong City is raising awareness about the ecological and environmental value of urban forests - green spaces within the city - and contributing to the creation of a sustainable urban environment for future generations.



HS-SDG 16

Establish transparent and equitable policies that ensure human rights and opportunities for participation

Hwaseong City is fostering a transparent and democratic society by listening to citizens' voices and expanding public participation through open administration. The city provides various channels for citizens to participate in the policy-making process, actively collecting their opinions and reflecting them in policies, thus ensuring citizens' rights and increasing social participation. Additionally, to prevent corruption, Hwaseong has established a transparent and efficient administrative system and is working to create a clean and trustworthy society through fair and strict law enforcement.

16-1 Ensure citizens' right to know and establish a system that provides access to transparent and accurate information

- 16-1-1. Disclosure rate of original documents signed by the deputy head of an organization or above
- 16-1-2. Level of satisfaction with civil administration services

16-2 Establish a strict legal/institutional framework to eliminate irregularities in all forms

- 16-2-1. Number of public officials involved in corruption by year
- 16-2-2. Overall integrity level of public institutions

16-3 Ensure opportunities for non-discriminatory participation and decision-making

- 16-3-1. Rate of policy proposals adopted from contests
- 16-3-2. Ratio of the civil participatory budget

16-4 Expand policy orientation and participation opportunities for future generations

- 16-4-1. Number of participants in the city's programs for adolescents
- 16-4-2. Number of cases where office work is delegated to the residents' association

Operating a program to foster lecturers for the education of teenager human rights as the first step toward the future

The Mesh Peace Institute operates the 'program to foster instructors who teach labor rights to adolescents,' with the aim to protect and promote teenagers' labor rights. It is intended to raise the social awareness about labor rights of adolescents and produce specialized instructors responsible for practical education in the field.

The instructors teaching labor rights education help adolescents, new to the labor market, understand their basic rights as workers and acquire knowledge and practical skills needed to protect them. In addition, they directly contribute to laying the groundwork to labor rights education for adolescents, enhancing the effectiveness of the education and protecting the rights of the local community and adolescents. This, in turn, leads to healthy growth and positive effects, such as the improved labor conditions and changes in social perception.





HS-SDG 17

Support sustainable development through inclusive domestic partnership and global cooperation

Hwaseong City is dedicated to collaborating with various partners with an open mind, sharing knowledge and experiences, and growing together. Domestically, the city works closely with the central government, other local governments, businesses, and civil society to implement policies and initiatives for sustainable development. Additionally, Hwaseong actively engages in solidarity and cooperation with the international community. Through exchanges and collaborations with overseas cities, the city benchmarks best practices, pursues joint projects, and strengthens global partnerships for sustainable development.

17-1 Strengthen partnership education by focusing on the identification of agenda and actions

17-1-1. Number of training sessions conducted for individuals involved in sustainable development (citizens and public servants)

17-1-2. Formation of private/industry/public council to implement the SDGs

17-2 Strengthen domestic and international cooperation for sustainable development

17-2-1. Number of exchange activities regarding sustainable development in Hwaseong

17-3 Solidify policy consistency for sustainable development

17-3-1. Performance of collaborations undertaken for SDG-related takes

Shihwa Lake 30 Years: A New Commitment from Citizens



Shihwa Lake, an artificial sea lake spanning Hwaseong, Ansan, and Siheung in Gyeonggi Province, was originally created to secure agricultural water, but it became heavily polluted with industrial wastewater and household sewage, earning the nickname "the lake of death." The government abandoned plans for freshwater restoration and began circulating seawater, ultimately deciding to construct a tidal power plant in 2002. Over the past 30 years, with electricity production starting in 2011, Shihwa Lake has transformed into an ecological haven, becoming a vital stop for migratory birds, thanks to the recovery of its ecosystem. This transformation is the result of joint efforts from citizens, the government, local municipalities, and the community.

The citizens' determination to improve the environment led to the formation of environmental organizations and the establishment of specialized institutions. Citizens' groups from Hwaseong, Ansan, and Siheung gathered around the Sustainable Development Council (Hwaseong, Ansan, and Siheung) and carried out various activities, including the Shihwa Lake Conference and Youth Literary

Camps. In 2013, they jointly announced the "Shihwa Lake Basin Agenda and Action Plan," taking the lead in revitalizing the lake. Citizen participation and cooperation were key driving forces in the lake's recovery.

In 2024, marking the 30th anniversary of Shihwa Lake's creation and the 10th anniversary of the Shihwa Lake Basin Agenda and Action Plan, the Hwaseong, Ansan, and Siheung Sustainability Council has united once again. Through initiatives such as the Shihwa Lake Citizen Awareness Survey, Hwaseong, Ansan, Siheung Shihwa Lake Joint Action Workshop, and Shihwa Lake Special Session, the voices of citizens were heard, and practical action items for the future were identified, providing new momentum for the improvement of the lake's environment. This is an important process of reflecting on the past 30 years and preparing for the next decade, marking the beginning of a new step forward, revisiting past collaborations, and working together toward the future.

Closing Remarks

The 2024 Hwaseong City Voluntary Local Review (VLR) Report is centered around the deliberative process in which citizens and the local administration collaborated to establish the city's Sustainable Development Goals (SDGs). Along with this, the report outlines the process of formulating key policies in line with the SDGs, the directions for achieving these goals, and includes specific citizen-led initiatives from Hwaseong City, which are shared globally.

Hwaseong City is committed to continuing this global policy-sharing process. The city plans to publish a Sustainable Development Report in the future, which will evaluate the implementation of the SDGs and track progress.

The upcoming Hwaseong City Sustainable Development Report will be a crucial document, developed in accordance with the Sustainable Development Basic Act and the Hwaseong City Sustainable Development Ordinance. It will assess the city's current efforts and propose future development directions, serving as an important resource for advancing sustainable development.

Not only will the Voluntary Local Review Report contribute to improving the quality of life for citizens, but the future Hwaseong City Sustainable Development Report will also focus on creating a sustainable Hwaseong. By fostering citizen participation and collaboration, the city aims to strengthen its sustainable

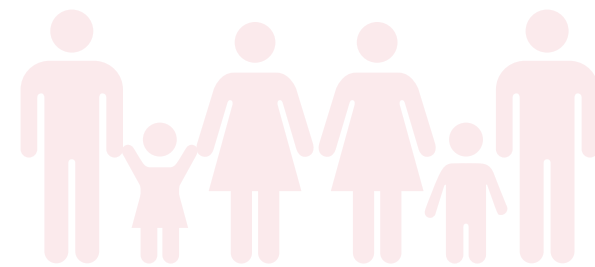
development policies and contribute to the UN's SDG goals, serving as an exemplary city in the pursuit of a sustainable future.



Appendix

SDG 1 Reinforce the social safety nets to end poverty

Target	Indicator
1-1. Establish the social security system that reaches every nook and cranny	1-1-1. No. of Community Social Security Plan project
1-2. Identify the disenfranchised, including those in the blind spots	1-2-1. No. of welfare blind spots identified and the rate of connection with welfare services
1-3. Reinforce solidarity and cooperation among local networks	1-3-1. No. of volunteers participating in local social welfare
1-4. Provide settlement supports tailored to the needs of foreign residents	1-4-1. Budget amount for multicultural/foreign resident support projects
	1-4-2. Ratio of foreign nationals utilizing welfare facilities



SDG 2 Secure a stable food supply through robust food production and consumption

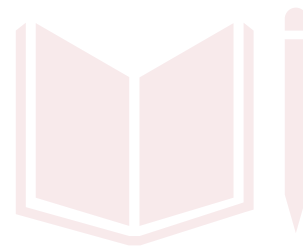
Target	Indicator
2-1. Expand the certification process for safe local food in Hwaseong	2-1-1. No. of certificates issued for local food in Hwaseong
	2-1-2. No. of safety analyses of agricultural foods
2-2. Reinforce access to and expand the supply of safe food	2-2-1. Progress rate of the basic food plans
	2-2-2. Supply rate of eco-friendly, certified agricultural foods in public school lunches
2-3. Expand support to create healthier agriculture environments	2-3-1. Ratio of young farmers being nurtured



SDG 3 Enhance quality of life throughout the life cycle with target-specific public welfare services

Target	Indicator
3-1. Reduce the number of the vulnerable by providing those overlooked by health insurance with medical fee support	3-1-1. Health insurance premium support for low-income residents
	3-1-2. No. of identified individuals eligible for medical emergency support
	3-1-3. No. of migrant workers and multicultural families in the jurisdiction benefiting from free medical check-ups
3-2. Address regional imbalances in health and welfare services	3-2-1. No. of medical personnel per 1,000 population in Eup/Myeon/Dong
	3-2-2. Performance of the home healthcare management program
3-3. Strengthen public social services (for the disabled, children and the elderly)	3-3-1. Early detection rate of senile dementia
	3-3-2. Rate of support for children under protection
3-4. Establish integrated community care for health and welfare services	3-4-1. No. of recovery support projects established for individuals with mental illness and No. of users
3-5. Establish a medical system for public health	3-5-1. Ratio of health center users
	3-5-2. Level of satisfaction with health center services
	3-5-3. Completeness of epidemiological surveys in response to infectious diseases





SDG 4 Ensure quality education with no one left behind

Target	Indicator
4-1. Ensure educational conditions and learning environments needed for all throughout the life cycle	4-1-1. No. of life-long education programs and participants
4-2. Provide free but quality primary and secondary education for all school-aged students	4-2-1. Budget amount for projects to support out-of-school adolescents
	4-2-2. Growth rate of independence achievements among out-of-school adolescents
	4-2-3. No. of supports for teenager human rights education programs
4-3. Ensure sustainable development education in daily life for everyone	4-3-1. No. of participants in sustainable development education
	4-3-2. No. of educational programs launched/operated for democratic citizenship education
4-4. Build the quality education values and develop measurement indicators	4-4-1. Rate of the budget for school education support to the overall budget
	4-4-2. Budget execution rate for educational facility improvement projects
	4-4-3. No. of participants in programs of Hwaseong's Free Semester System
	4-4-4. Establishment of collaboration organizations for the Innovative Education District

SDG 5 Achieve gender equality by ensuring equal participation and opportunities

Target	Indicator
5-1. Support customized education to enhance gender sensitivity	5-1-1. Budget amount for gender equality education
5-2. Ensure equal opportunities for women to participate in public life	5-2-1. Ratio of female chairpersons and vice chairpersons in the city's various committees
	5-2-2. Gender ratio of senior public officials in the city's public institutes
	5-2-3. Ratio of female representatives in the local assembly
5-3. Actively support caregivers in achieving a balance between work and family	5-3-1. Ratio of public pre-kindergartens
	5-3-2. Ratio of employees utilizing parental leave among the city's workforce
	5-3-3. Progress rate of after-school programs
	5-3-4. No. of cases supporting female violence victims



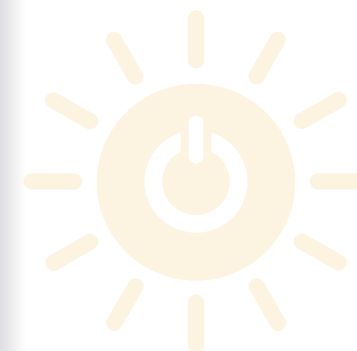
SDG 6 Ensure safe water management and implement an eco-friendly water circulation system

Target	Indicator
6-1. Expand the supply of wastewater purification facilities to improve the quality of rivers and establish a strong institutional (regulatory) framework	6-1-1. Implementation of Total Water Pollution Load Management System
	6-1-2. Inspection rate of wastewater emission facilities and livestock excreta discharge facilities
	6-1-3. Percent of sewerage pollution by region
6-2. Establish a circulation system for water reuse	6-2-1. Treatment capacity and utilization of water reuse facilities
6-3. Secure the soundness of aquatic ecosystems	6-3-1. Progress rate of river and lake monitoring



SDG 7 Expand the transition to eco-friendly energy and achieve an energy self-sufficient city

Target	Indicator
7-1. Expand the ratio of renewable energy	7-1-1. Supply of renewable energy
7-2. Lay the groundwork for energy self-sufficiency	7-2-1. Supply of solar photovoltaic power facilities
7-3. Reduce energy consumption and increase efficiency	7-3-1. Support funds for energy efficiency projects
7-4. Raise the awareness of eco-friendly energy	7-4-1. Budget for eco-friendly energy education, the number of programs and participants who completed the training





SDG 8 Create quality jobs and promote sustainable economic development

Target	Indicator
8-1. Reinforce policies that support sustainable companies to create decent jobs	8-1-1. Rate of safety inspections conducted at industrial complexes
	8-1-2. Sales growth rate among local companies
	8-1-3. Budget amount for job creation and business support
8-2. Identify and support jobs tailored to local needs in collaboration with citizens	8-2-1. No. of participants in supportive programs and training for middle-aged adults
	8-2-2. Budget amount for employment and start-up support
	8-2-3. No. of social enterprises and cooperatives registered
8-3. Expand welfare infrastructure to create a city where people want to live and work	8-3-1. No. of public welfare facilities for workers
	8-3-2. Ratio of public rental housing to the total housing stock

SDG 9 Increase R&D and build a sustainable industrial infrastructure

Target	Indicator
9-1. Expand green transportation infrastructure (incl. eco-friendly transport, road networks, vehicles and charging stations)	9-1-1. Modal share of public transit
	9-1-2. Ratio of city and town buses under public operation
	9-1-3. Penetration rate of hydrogen vehicles, electric cars and charging stations
9-2. Establish infrastructure for youth start-ups	9-2-1. Budget amount for support of youth start-ups
9-3. Provide consulting and financial aid for SMEs	9-3-1. Budget amount for SME support funds



SDG 10 Address imbalances among districts and classes to achieve a society of equality

Target	Indicator
10-1. Expand mobility rights and accessibility to social infrastructure befitting regional characteristics	10-1-1. Average No. of free riders per month
	10-1-2. Installation (maintenance) of pedestrian walkways
	10-1-3. Ratio of unprofitable routes
10-2. Ensure policy equalization and facility expansion for each disability area	10-2-1. No. of programs and users per disability type
	10-2-2. No. of welfare facilities for the disabled
	10-2-3. Social participation index for the disabled
10-3. Strengthen the social safety nets for public are (the disabled, the elderly, children)	10-3-1. No. of welfare and medical facilities in each region
	10-3-2. Growth rate of public care services
10-4. Expand the system that guarantees rights to address economic inequality	10-4-1. Rate of nursing homes participating in social volunteer activities
	10-4-2. Rate of safety inspections conducted by labor safety guards



SDG 11 Create a city with communities that are inclusive, safe and resilient

Target	Indicator
11-1. Pursue sustainable urban design through green architecture and energy regeneration	11-1-1. No. of eco-friendly, urban renewal new deal projects
	11-1-2. Rate of applying the design criteria for green architecture
11-2. Establish a platform to nurture civic experts by promoting citizen autonomy	11-2-1. No. of educational programs that reinforce local autonomy and the No. of participants
	11-2-2. No. of participants (voters) in residents' general assembly
11-3. Expand the quality cultural/ artistic infrastructure easily accessible and reachable for everyone	11-3-1. Budget amount for supporting small libraries
	11-3-2. No. of small libraries
	11-3-3. Budget amount for cultura and arts
	11-3-4. No. of spaces dedicated to adolescents
11-4. Promote local communities through active communication among local residents	11-4-1. No. of participants in local community support projects
	11-4-2. No. of spaces for local community activities
	11-4-3. No. of communities participating in the local community projects



SDG 12 Ensure responsible consumption and production to maintain a virtuous circle of resources

Target	Indicator
12-1. Cooperate with industry, private and public sectors for the virtuous circle of recycling	12-1-1. Amount of recyclable resources collected per resident
12-2. Create an ecosystem to expand sustainable and eco-friendly production and consumption	12-2-1. Growth rate of areas certified as eco-friendly agriculture
12-3. Establish a public management system for responsible production and consumption	12-3-1. Rate of green procurement by public institutions
	12-3-2. Ratio of green products certified at local businesses
12-4. Spread value awareness through ethical consumption	12-4-1. Growth rate of households enrolled in the carbon neutral point (energy) system
	12-4-2. Local food distribution index
	12-4-3. Ethical consumption and value awareness education throughout the life cycle

SDG 13 Build a strong system to respond to the climate crisis

Target	Indicator
13-1. Conduct surveys on a regular basis and secure data to identify the current status of greenhouse gas (GHG) emissions per source	13-1-1. Total GHG reductions
	13-1-2. Average concentration of particulate matters (PM2.5) over the past 5 years
13-2. Devise long/short-term plans to deal with the climate crisis	13-2-1. Ratio of excellent assessment for Hwaseong's Detailed implementation Plan on Climate Change Adaptation
13-3. Establish practical systems to respond to the climate crisis	13-3-1. Budget and No. of cases in implementing climate change adaptation
13-4. Come up with actions together with citizens	13-4-1. Emergency action activities against the climate crisis and establishment of public-private governance
	13-4-2. Budget, the number of programs and participants in climate change response education



SDG 14 Restore and conserve marine ecosystems through sustainable governance

Target	Indicator
14-1. Designate marine sanctuaries	14-1-1. Foundation-building for the restoration of coastal wetlands
14-2. Create marine environments without wastes	14-2-1. Monitoring of marine wastes and the amount of marine wastes generated and collected
14-3. Establish marine networks with local governments in neighboring coastal areas	14-3-1. No. of marine networks established and their activities
14-4. Raise the awareness of marine ecosystems	14-4-1. No. of participants in marine ecosystem education



SDG 15 Conserve terrestrial ecosystems by promoting biodiversity

Target	Indicator
15-1. Conserve the ecosystem through the restoration of soil health	15-1-1. Support for the supply of organic fertilizers
	15-1-2. Rate of soil pollution testing achieved for areas for concern
15-2. Expand protected areas for biodiversity	15-2-1. Habitat areas for wild species and the management measures conducted
15-3. Strengthen citizenship education to enhance awareness of biodiversity	15-3-1. Operating ratio of ecological environment education and experiences in collaboration with citizens
15-4. Maintain the balance of the ecosystem by controlling species disturbing the terrestrial and river ecosystems and managing wastes	15-4-1. No. and distribution of species under control due to their disturbance on the ecosystem
	15-4-2. Amount of (industrial, agricultural) wastes collected



SDG 16

Establish transparent and equitable policies that ensure human rights and opportunities for participation

Target	Indicator
16-1. Ensure citizens's right to know and establish a system that provides access to transparent and accurate information	16-1-1. Disclosure rate of original documents signed by the deputy head of an organization or above
	16-1-2. Level of satisfaction with civil administration services
16-2. Establish a strict legal/institutional framework to eliminate irregularities in all forms	16-2-1. No. of public officials involved in corruption by year
	16-2-2. Overall integrity level of public institutions
16-3. Ensure opportunities for non-discriminatory participation and decision-making	16-3-1. Rate of policy proposals adopted from contests
	16-3-2. Ratio of the civil participatory budget
16-4. Expand policy orientation and participation opportunities for future generations	16-4-1. No. of participants in the city's programs for adolescents
	16-4-2. No. of cases where office work is delegated to the residents' association



SDG 17

Support sustainable development through inclusive domestic partnership and global cooperation

Target	Indicator
17-1. Strengthen partnership education by focusing on the identification of agenda and actions	17-1-1. No. of training sessions conducted for individuals involved in sustainable development (citizens and public servants)
	17-1-2. Formation of private/industry/public council to implement the SDGs
17-2. Strengthen domestic and international cooperation for sustainable development	17-2-1. No. of exchange activities regarding sustainable development in Hwaseong
17-3. Solidify policy consistency for sustainable development	17-3-1. Performance of collaborations undertaken for SDG-related tasks

Hwaseong Voluntary Local Review (VLR)
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Date of Issue December 2024

Publisher Hwaseong, Gyeonggi Province

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