

Cabinet Secretariat Government of JAPAN

Concept of "FutureCity" Initiative

1. Background of the Initiative

Urban populations have increased sharply and now comprise half of the world's population. This is projected to grow to around 6.4 billion — 70 % of the world's population by 2050. This rapid urbanization is seen prominently in developing regions such as Asia and Africa and has caused various environmental and urban problems. The 21^{st} century is referred to as the age of the city. In this age, the challenge of realizing an affluent life without increasing the burden on the urban environment is a challenge common to all human-beings — a challenge based on an urban perspective.

Japan is known as an "advanced country" in terms of challenges of both a rapidly decreasing birthrate and rapid aging. It is projected that in 2050 seniors over age 65 will comprise 40% of the population. Realizing cities and regions where senior citizens can live a fruitful, healthy and secure life in a vital society is an acute challenge. In the near future, many countries, starting in Asia, are expected to experience this challenge. Therefore, Japan is in a position to first tackle this problem and to offer solutions to the common human challenges.

In this context, it is extremely important to mutually recognize the problems, to pose the problems in a general way, and to think about the framework for solutions to such common human challenges as the environment, aging and revitalization of societies and economies.

The Japanese government identified the "FutureCity" Initiative (hereinafter "Initiative") as one of the National Strategic Projects in its "New Growth Strategy" in June 2010. The objective of this initiative is to challenge common human problems and to try to propose model solutions as a forerunner.

2. Purpose of the Initiative

The purpose of the Initiative is to select a few cities as "future cities," to realize world-leading successful cases in terms of technology, socioeconomic systems, services, business models and city building in order to resolve common 21st century human issues such as the environment and aging, and to disseminate them not only within Japan but also to the world. The ultimate goal is to achieve a revitalized and sustainable society



with a new socioeconomic system.

The selected cities are expected to lead to innovations in socioeconomic systems that can create successful cases. The Japanese government will support the selected cities by concentrating related budget appropriations on them, effecting deregulation and reforming the legal and tax systems.

To realize the Initiative, it is important to adopt an open-source innovation strategy which is open both at home and abroad. This strategy is aimed at sharing various experiences, developing intellectual networks, and disseminating the successful cases both inside and outside Japan, at the each development stage in creating concepts, planning and developing technologies and systems and realizing them.

3. Basic concept of the Initiative

The basic concept of the Initiative is to realize "human-centered cities while creating new values to resolve the challenges of the environment and aging." It is first necessary to solve global challenges such as global warming, resource and energy limits, and super-aging by establishing sustainable socioeconomic systems as well as by recovering social solidarity. Secondly it is necessary to realize cities where "everybody wants to live" and "everyone has vitality" as well as cities that create new values continuously. Thirdly, we must increase the quality of life of the people.

To realize a sustainable society, considering the value of the environment, society and economy is essential. The "FutureCity" where "everyone wants to live" and

"everyone has vitality" is defined as a city where the value of the environment, society and economy is innovatively enhanced, based on the premise that a minimum level of value in each of these three areas has been satisfied.



4. Future vision and Efforts of individual cities of the "FutureCity" Initiative

The selected cities are to set the strategic future vision in accordance with the abovementioned basic concept in ways that will maximize the total of environmental, social and economic value. When setting the future vision, it is important to adopt both a "backcasting" approach of looking back from the targeted future ideal and a "forecasting" approach of looking forward from the present situation to enhance feasibility. Moreover, it is important to set the vision in a way to maximize city's attractions, showing their variety and originality as well as their unique natural and social resources.

The selected cities have to tackle challenges of the environment and aging as a

minimum requirement and then can take on such additional challenges as increasing their originality and comparative advantages. The selected cities are expected to tackle challenges in cooperation with other cities both inside and outside Japan. It is important to gather worldwide wisdom by absorbing other cites' successful cases all over the world, to integrate various efforts in different areas to realize synergistic effect, with the goal of socioeconomic systems where value is created continuously. This process should be more than just a real-world experiment and should lead to real innovations. By creating successful cases continuously and outgrowing subsidy dependence, the cities are expected to acquire a self-financing independence and establish financially autonomous models applicable both inside and outside Japan.

5. A scheme to promote "FutureCity" Initiative

Three important elements are necessary to make the Initiative a success: implementation of steady project management, establishment of a powerful and speedy executive organ, and strengthening cooperation between cities.

In the Initiative, three areas of project management are crucial: how to promote the Initiative effectively, how to manage all projects in individual cities, and how to monitor progress of each project. Steady project management employing the PDCA cycle in each of these areas will increase the possibility of success.

It is essential to have a powerful and speedy executive organ to create successful cases and disseminate them both inside and outside Japan. The national government will not only give advice to the cities but also establish a promoting system to coordinate financing, deregulation and various reforms. The selected cities will form a consortium with corporations, universities and local governments.

Improving successful cases and speeding up dissemination will be realized through strengthening cooperation among cities. The national government will construct an international intellectual platform by collecting, arranging and analyzing worldwide successful cases, disseminating them, and holding international forums for intellectual exchange. The selected cities will exchange successful cases with other cities both

inside and outside Japan by utilizing the abovementioned

platform as well as deepening cooperation with those cities continuously, including the exchange of citizens.





City of Minamisoma, Fukushima Recycle City connecting to the next generation, Minamisoma

- Realize an "energy cycle" by introducing renewable energy massively and by shifting to smart-grid based energy consumption Realize a "generation cycle" where several generations reside together in apartment complexes and co-housing Realize an "industry cycle" with independent processing/distribution routes with focus
- on the primary industry
- Promote local energy production/consumption and power generation businesses by utilizing large scale solar power generation as well as the town's publicly owned forests and thermal power plants

-Town where you can see the future and hope of environment and life-

- Establish public transportation infrastructure as well as information and telecommunications infrastructure by using ICT (hardware infrastructure)
 Effectively leverage the local community (software infrastructure)

Shimokawa, Forest Future City with people shining [Shimokawa Town, Hokkaido]

Future Vision

Shimokawa town will achieve the model of "Forest Future City" by 2030 - "Forest Future City" model -'Forest Future City", is where people can live a spiritually rich life surrounded by wood and developing mental/physical health, as well as having fun in the forest, learning, and gaining sufficient income from the forest Раскаде Shimokawa Town, Hokkaido

Industry

Comprehensive Forest

Industry

Quality Life

Society

Reassurance and ro in the society for

everybody

Resources

(Fully self-sufficien

energy)

promotion to small villages in the Asian countries

OPopulation aging rate: 37.2% Area: 644.2 km² (Same size as Tokyo 23 wards)

◇Population: 3,645 (November, 2011)

◇Forest land area: 569,8 km² (88% of the size of the town)

♦ Comparative Advantage: Forest/Forest products industry, Use of Forestry biomass

Self-sustaining energy and transition to low-carbon society

Fully self-sufficient energy supply (heat, electric) for the areas utilizing small-scale renewable energy distribution. Achieve the supply of energy for other local autonomies

Bv 2018

Achieve the 100% self-sufficient energy

Innovate the forest/forest products industry system, reduce costs, aim for high-value added products, and achieve self-contained

profitability by promotion of use of wood.

Comprehensive Industry

Bv 2015 Amount to 3 billion JPY of production value from the forest industry

Society model corresponding to the super-aging society

Create the model of local society where everybody can create a comfortable life through mutual support and cooperation as well as maintaining mental/physical health

By 2030 Medical benefit for people aged 75 and over Achieve 600,000 per year (per person)

Self-sufficient/independent foundation for development Progress Management

Consolidate autonomous research development/incubation function, funding/outputting

Approach

Comprehensive Forest Industry

Innovation of Forest Industry

Significant improvement of efficiency in management by implementing high-performance forest industrial machines and consolidating high-density forest roads. Innovation of Forest Products Industry

Cost reduction on COC by utilizing ICT technology and transition to high-value added

products Creation of Forest Culture

Familiarization of local material, wood products, environmental education

Society model corresponding to the super-aging society

Construction of collective housing

Transition into collective housing and formulation of autonomous community by local cogeneration

Enlargement of employment for the elderly

Expand businesses by organizations managed by the elderly and create more employment for the elderly

Long-term health management

Health management by promoting waking in the forest and easting local food products

Self-sufficient Energy and Transition to Low-carbon

Consolidate a small-scale distribution system of renewable energy supply Accelerate consolidation of biomass energy supply including private businesses Create a business for cultivating energy producing plants Business creation and ensuring profitability by cultivation of the willow trees and mechanization

Build the low-carbon-oriented structure

Create a system to give a economical incentive to various low carbon products

Self-sustanable Independent Development Foundation

Establish organizations for incubation institution/research development/training Base consolidation that conducts date collecting, technology development, incubation support, and information Build a local fund

Create a structure to inject funds into each project from local/outside source Create the index of affluence

Regular measurement and development of the total performance indication by each projects from the citizen's view point



Shimokawa Promotion Conference

Business promotion organization where the citizens of Shimokawa Town, local companies/associations, and the municipal government, as well as outside companies, research institutions, and experts participate. The project will be conducted with the advices from the experts. Shimokawa Committee

Governance organization made of a few experts and the local people. It will maintain autonomy by giving suggestions for improvement, conducting objective reviews of each project's progress and its direction of all the businesses of the Shimokawa Promotion Conference Shimokawa supporters

Fan group composed of companies, research institutions, and experts interested in the foundation of the model of "Forest Future City"



Kashiwanoha campus city project

"Autonomous urban management with pertnership among public, private and academia"

City of Kashiwa, The University of Tokyo, Chiba University, Mitsui Fudosan Co., Ltd., Smart City Planning Inc., Urban Design Center Kashiwa-no-hi and TX Enterpreneur Partners

Academic

CO-CREATE ECO-SYSTEM

Tokyo University, Chiba University

ion system

Future Vision

Autonomous Urban Management in Cooperation with Public/Civic/Academia

CO-CREATE ECO-SYSTEM, sustainable co-creation system, that allows universities to make plans as to the greatest resources of Kashiwanoha campus combining their cutting-edge knowledge with that of the local citizens and companies to manage the project sustainably and independently and to allow everybody who wants to contribute to the area, from the elderly, young people, and children with fresh ideas, to participate in urban development.

Private Public Chiba Prefecture Company, Kashiwa City, NPO Citizen

Smart Citv

Prosperous local energy management with the utilization of 100% natural energy and the participation of the citizens

[Numerical Goal] Decrease in amount of CO₂ emissions from the joint development →About 40% cut down Per work facility: About 50% cut down

(2014) Decrease in amount of CO2 by implementation of smart meter About 15% cut down (2014)

◆Ensuring the minimum power needed in local disaster prevention in Kashiwanoha Campus Station and five surrounding area for three days (2014)

Decrease in number of automobiles and increase in number of bicycles (2028)

public/private/academic

with public/private/academic

Healthy Long-life City

A society where people can live an active and self-sustaining life by active participation in the society and utilizing mobility environment utilizing ICT

[Numerical Goal]

Installation of total health care stations

 \rightarrow three stations (2014) \rightarrow seven stations more (2016)

Increase in number of service cases by ambulatory rehabilitation office/in-home rehabilitation

- •1.5 times more (2016)
- Improvement the situation of service participants

New Industrial Citv

International environment with an active industry which cultivate businesses in the local area utilizing Japanese technology [Numerical Goal]

Increase in number of investments utilizing a tax system promoting investment for the local universities/research and

development venture companies →**5** (2016)

Increase in the amount of support for the venture companies in the city by TEP

→**70** (2016) Increase in number of fieldwork-style verification experiments in the city

→**80** (2016)

eve the safe/reassuring/sustainable city where everybody wants to live







Approach **Structure** Existing initiative and follow-up structure Existing Solidarity Body Including Universities iwanoha Urban Design Center Tokyo Uni. Academic-industry Consortium Gerontology [Local Resources] [Local Issues] Kashiwanoha International Campus Town Accumulation of universities and research institutions Kashiwanoha Urban Design Center Increased CO Initiative (March, 2008) emissior Kashiwa ITS Promotion Committee Chiba Uni. College Link./Network Development centered on the Traffic jams Kashiwanoha Urban Ecology Promotion Committee NPO Plant Factory Collegiums Follow-up by public/private/academic, Progress management of businesses (2008 - present) · Rapid super-aging Rich nature, agriculture, Bearer of the local area Smart City Planning Company TX Entrepreneur Partners Static Manufacturing -Establish the follow-up task force every fiscal year organized by Kashiwanoha urban design center [UDCK] as the Head office. Applicati Approach Policy to Achieve 15 Specific Approaches -Organize a liaison conference and conduct progress on of PD the Goal management and adjustment CA -Publish the follow-up report every fiscal year 1. Consolidation of Kashiwanoha AEMS Center FutureCity Project Promotion Structure 2. Carbon offset system Kashiwanoha Campus/FutureCity Consortium [Environment] 3. Local production/consumption of renewable energy (Project Manager: UDCK) Utilization of local Smart Mitsui Real Estate Co energy Kashiwa Tokyo Uni. 4. Installation of large-scale gas power generator Smart City Planning Public Private City City Chiba Uni 5. Interchange power between cities in an emergency ITS Smart town which TX Entrepreneur Partners [TEP] Kashiwanoha Urban Design Center [UDCK] is good for both people and the environment 6. Enlargement of the multiple transportation sharing/system 3. Initiation Training Section 2. Super-aging society 1. Environment Section 7. Establish Kashiwa ITS information center -Create the model district for Super-aging Society] Total healthcare -Utilization of local energy initiation training installation of health -Installation of health stations ITS smart town which is -Establishment of urban Healthy 8. Create total healthcare station Construction of a community stations good for both people and environment management model in collaboration with the where the elderly can contribute Long-life 9. Construction of a community where the elderly can contribute to public/private/aca City Construction of a the area community where the Deploy elderly can contribute Kashiwa UDCK FDC Business 10. Comprehensive support for ventures from universities/research institutions Chamber of Commerce and Industries Consortium Station Area Committee 11. Achieve a model case of support for individual initiation [Other] Create a model Local Company district for initiation 12. Networking of ventures from Asian universities New Citizen training Industrial Company 13. Regional power point system that cultivate the region's energy in the area Establishment of urban City -Project promotion by promoting the participation of the citizens and management model in collaboration with the 14. Flexible maintenance and operation of roads based on local rules

private investment based on an open platform -Promotion by the transmission of information and taking in opinions from 15. Construction of a network and urban development center in collaboration the citizens

> -Progress management, judging the priorities, and overall adjustment based on the experience of the Project Manager (UDCK)





Project consortium and area coordinator will cooperate together and promote the project with the overall effort of the city **Structure** Recruit technical personnel who verify the business and its risk assessment, and divide the resources properly Yokohama FutureCity Consortium PDCA, Government Policy Alignment, Coordination/Project Support/Promotion/ Funds Arrangement **Project Consortium (Corporation centered)** Collaborat Area Coordination (Participation of the citizen, the local organizations)

ion

Technical Innovation/Early Implementation

Offer information service, support implementation of new technology, and raise awareness of the issues and needs of the local area

Construction of Toyama style urban management with compact city strategy -Towards sustainable and value creating city filled with social capital- [Toyama City, Toyama]

Future Vision

Urban Development

Compact urban development based on public transportation

Achieve a compact city with various collected urban functions such as residential and commercial facilities along with convenient transportation Location promotion of residential Improvement corporation Increase local Increase in tax revenues by utilization of the Improve government cost houses and commerce facilities productivity employment whole local area efficiency

Achieve efficient urban management (Create a sustainable suburban city)



Citizen Life

Comfortable town centered on people with no need for automobiles

 Convenient life with integrated urban functions within the city People have easy access from within the city/to the city center, and important life service facilities such as medical care centers with no need for an automobile, if they live along the public transportation routes, [Numerical Goal] Public transportation users: 62,432 (2009) \rightarrow 64,000 (2016)

[Numerical Goal] The ratio of the population in the area which has convenient access to public transportation compared to the total population: $32\% (2005) \rightarrow 35\% (2016)$ Slow, village style life

Natural areas such as forests and rural landscape are properly maintained/preserved, this allows people in urban areas to experience agriculture and nature. Also, environments for settled life such as medical care/welfare in rural areas are well maintained.

[Numerical Goal] Dimension ratio of the certified farmers: 29.3% 2010) → <u>70% (2016)</u>

Industrial Activities

International Competitive Medical City Toyama

Drug discovery ventures will gather, centering on major medicinal product manufacturers which have high drug-discovery technology and a background in the history/technology of medical products.

[Numerical Goal] Shipment value of pharmaceutical related companies: 161.7 billion yen (2009) → 268.6 billion yen (2018)

-Promotion of renewable energy industry

Natural properties such as the Toyama gulf, mountains at a height of 3000 m, steep streams and other renewable energy are diffused and utilized in various industries at a maximum.

[Numerical Goal] Installed renewable energy capacity:

0.3 GJ/year (2005) →1,217,891 GJ/year (2030)

Suggest Solution Model of Issues in Suburban Cities

Approach

[Environment]

- Activation of public transportation
- ·Collect urban functions in the city center/along the public transportation
- •Utilization of renewable energy

[Super-aging Society]

- Walkable urban construction
- Construction of natural medicine production system
- •Care prevention/in-home nursing service by interaction between people

[Other: Agriculture and Forestry

- •Blanding of Toyama in cooperation with agriculture/commerce/industry
- Construction of self-sustained forest industry by effective use of forest resources
- ·Consolidation of the base for cultivation of the human resources who will support the rejuvenation of secondary forest.





Construct the resource recycling system utilizing the sea biomass



Construct the natural medicine production system

Structure				
Toyama FutureCity Project Promotion Committee				
Planning/Mana	gement (Ir Local Αι	ndustry/Ac utonomy)	ademia/Citizer	٦,
Environment Section	Super society	-aging Section	Forest Indus Section	stry
PT PT (sector-by- sector) (sector) (sector-by- sector) (sector) (secto				
Bureau (Toyama)				
Toyama FutureCity Prefectural Promotion Head office				
O Put a project manager who is responsible, and has authority for the whole organization in the promotion committee.				
O At the promotion each project, and the well as strictly, and	committee ne project a decide cha	, deliberate is a whole, i inges/discol	the progress of manage flexibly ntinuation	as

depending on the situation.

Kitakyushu FutureCity [City of Kitakyushu, Fukuoka]

Future Vision



Tree-planting by citizens

aenerations

Strategy

l.....i l....

Kesen Regional FutureCity

Future Vision

- Kesen region will aim to reconstruct the disaster-affected city. By valuing the environment, society, and economy synergistically as a world-leading environmentally disasterprepared city of the future, it will aim to be a model of Tohoku's urban reconstruction and a world model for smallscale cities.
- It will also intend to diffuse/expand the urban society system created in the Kesen region (City of Ofunato, City of Rikuzentakata, Sumita Town) domestically and internationally.
- It will build a mega solar power generating plant with a locally-distributed energy storage system to stably supply electricity to the region and to achieve a society where the citizens can have a safe and secure life. It will also construct either a local production/consumption system for a distributed energy society.



- They aim to achieve a flat compact, consolidated city with a senior-friendly transportation environment and advanced transportation methods regarding elderly housing, medical care/nursing facilities, places for employment, as well as achieving a social environment where life of people, from children to the elderly, are well connected.
- They aim to achieve innovative progress for social infrastructures such as promotion of the secondary industries, medical welfare, agriculture, forestry and fishery industries, transportation and distributions in collaboration with the features of each town, which is also tackling the issue of super-aging societies with more than 30 percent of population over 65 years old. They hope to construct a town where people can live safely and comfortably. Also, they will aim for an advanced life style (sharing, recycling and re-using materials) by implementing eco-friendly projects, such as mutual support and shifting to using from owning utilizing ICT.

Approach

Environment

- Build a solar power plant with storage battery Achieve the world's first local energy production/consumption in a small-scale city by
- solar power generation with a locally distributed energy storage system Construction of a hybrid energy system
- for existing electricity and renewable energy

Super-aging Society

Create a senior-friendly linked-compact city utilizing a hill

Create a compact city with elderly housings, public facilities, places for work, houses of families, and commerce facilities nearby

Consolidate a senior-friendly transportation environment and an advanced transportation method

Enhance the disaster-prevention for the elderly housing

Create an advanced model for nursing care and welfare Create places of employment for the elderly including agriculture reconstruction

Other: Reconstruction of industry

Promotion of the large-scale stationary storage battery industry Attract large-scale stationary battery manufacturers and build a base for the renewable

energy related industry IPromotion of agriculture, forestry and the fishery industry utilizing know-how and advanced technology

Method for utilization of timber with the of coexistence with the sea and forests Plant factories and distribution system

Development model for wooden eco-housing complexes Large-scale stationary battery manufacturing plant



The executive team composed of the municipalities of Kesen region and members of the Eastern Japan FutureCity Collegiums will conduct project evaluation for the goal and the project contents as well as promotion, management, and adjustment for each project with some correction of the course.

Place the Kesen's reconstruction project as a project centered on participation of the citizens, and incorporate opinions from the citizens through conversations between the citizens and people from industry-government-academia

Establish a project team for business, and conduct the best management for each team

Kamaishi FutureCity Initiative

-Kamaishi's new challenges leading other small-scale cities



- Environment
- -Resource Recycling Society by Low-carbon, Energy Saving and Resource Saving 1. Promotion of local production/consumption of energy
- Promote implementation of various types of energy utilizing the storage of electric generation facilities.
 Expand the verification business by establishing a collective reconstruction model "New energy community model"
 Promote the independency of the energy environment of base facilities in town
- 2. Create industries utilizing various types of energy
- •Research the best combination of various types of energy and create new industries utilizing local energy and •Percentage of people who want to stay in Kamaishi
- exhaust heat. •Utilize their specialty: abundance of forest, establishment of effective wood supply system by cooperation with other industry sector.

Super-aging Society

- -Structure of Industrial Welfare City Kamaishi
- 1. Urban development where the elderly can have their motivation for life •Employment support for the elderly to consolidate the environment where people can work for their en-
- Employment support for the elderly to consolidate the environment where people can work for their entire life
 Create chances to interact with people for the elderly and the local people by utilizing the community center for the elderly
 Create structure where the elderly can contribute to society through the interaction with the young people
- Coalition of health, medical care, welfare and nursing care
 Enhance the role of the life support carter
- Enhance the role of the life support center
 Build a caretaking structure by ICT in the new energy community model
 Build a local patyon of beathers madical acts useful acts
- •Build a local network of healthcare, medical care, welfare and nursing service utilizing ICT •Enhance the support system by the home care center after leaving the hospital .

Urban development with the effective use of historical environment –Kamaishi Field Museum Initiative

1. Deployment of the field museum initiative

- create a structure that shows the town's history and the progression of the reconstruction as it is to the visitors.
- Crystallize the participatory approaches that heighten the awareness of disaster prevention as a way of sharing local identity

2. Information transmission on industrial heritage to abroad •Share the value of the remains of Hashino blast furnace and deploy civic activity aiming for the registration

to UNESCO •Spread "the miracle of Asia", construction of the modern iron manufacture, and rebuild the citizens' selfrespect

3. Approach to attract the Rugby World Cup

Attract the Rugby World Cup in 2019, the citizens' shared goal
 Attract sports tournaments/training camps/induction courses and deploy the related hard/soft businesses
 aiming to send the players as representatives from Japan

- -Local Energy Generating Ability
- 181.470 kW (2011) > 240.000 kW (2015) Percentage of renewable energy within local power generation 25% (2010) > 45% (2015)



12.2% (2005) > 15% (2025) ercentage of people who want to stay in Kamaishi 64% (2009) > 80% (2015)

Percentage of employed elderly over 65 years old



Future Vision

• Iwanuma aims to be an ecologically compact city where the elderly can have a rich and secure life and which utilizes the historical rural landscape surrounded by the Sadayama Canal and Igune built in the Edo period.

• An ecological compact city with a rebuilt community made by group relocation from the coastal areas to the east part of the city will be put into place by 2020.

• The town will use the medical cloud for health management so that the elderly can live securely. It will build an independent energy system as well as the Hill of Thousand-Year Hope, which can also be used as an evacuation center in an emergency. It will also aim for well disaster-preventing urban development, which is also good for both people and the environment.

• By 2050, it aims to be Iwanuma, a city where the citizens can live a rich life in good health with sustainable economic activities, the promotion of the medical industry, and the next generation agribusiness that will provide places to work comfortably for the elderly.

Image of FutureCity that Iwanuma Suggests

Rebuild a community that is good for both people and the environment where people "want to stay"



Approach

[Environment]

Nature Environment/Biodiversity, Low Carbon, Energy Saving

•Construction of the Hill of Thousand-Year Hope and an ecological compact city (January 2013: Launch on building the hill)

Launch on building the hill) •Implementation of an energy management system utilizing natural energy (April 2012: Start attracting the mega-solar business

associations)

[Super-aging] Medical Industries, Local Medication

•Coexist with nature and consolidate the international medical industrial city

(By March 2015: Attract medical-related companies: Three companies)

•Promote local preventative medicine business via the medical could

(By March 2014: Promotion of networking between medical institutions and welfare facilities within the ecological compact city)

[Other: Agriculture]

•Reconstruction of agriculture by next generation agribusiness (By October 2012: Create 20 places of employment for the disaster-affected people

Structure

Iwanuma Disaster Restoration Committee

Decision-making institution (PDCA checking institution)

Task force for the Hill of Thousand-Year Hope

Consider the possibility of making use of rubble from the disaster as construction material/agricultural material for the nextgeneration agribusiness

Task force for the ecological compact city promotion

Consider the possibility of group relocation area/rejuvenation of Igune/method for promoting preventative medicine by implementing the medical cloud in the elderly housing

Task force for the promotion of international medical industrial city

Review of the international advanced medical technology, consider steps to attract medical industries/areas to attract those medical industries

Task force for the next-generation agribusiness promotion

Reconstruction from the Great East Japan Earthquake - Renewal of Higashimatsushima, Towards the future together without forgetting that day – [City of Higashimatsushima, Miyagi]

Future Vision

Urban Reconstruction Plan = FutureCity

Higashimatsushima aims to be a town in 2050 where people can be proud and live a healthy life, with hope for the future, attracting tourists from all over the world as a symbolic town that recovered from a natural disaster, and the generation that experienced the Great Eastern Earthquake supports the urban development with the next generation together.





"Of course, Shinchi is the best town"

-Town where you can see the future and hope of environment and life-[Shinchi Town, Fukushima]

Future Vision

As a vision of 2050, Shinchi aims to be a town where the local people and new residents and those that visit Shinchi can feel the spiritual affluence through the abundance of nature, rich life, and connections between people, and they can feel that they like Shinchi.

1. Town with the sea that coexist with nature

Complete the consolidation of the thermo power plants and mega-solar unit and achieve the creation of new industries as well as achieving a stable power supply in the local/surrounding area

2. Town where people are connected by KIZUNA

Build connections between people who support the participation of the elderly in the society, in cooperation with a new service that contributes to citizen's life support through consolidation of an on-demand transportation and value-added network (VAN).

3. Life as the top priority

Establish a disaster-prevention structure and complete the consolidation of infrastructure towards the expected tsunami.

Main Numerical Goal (Within next 10 years)

- Self-sufficiency ratio in natural energy toward the power demand in town (0% \rightarrow 100%)
- Energy usage of forest biomass (0 ton → 200,000 tons)
- \bullet Self-sufficiency energy ratio in public facilities and residential (Less than 10% \rightarrow About 60%)
- Disperse tablet information terminals (412 \rightarrow About 2500)
- Local community business situation (A few → About 400 people)

Future Vision (Environment)



Future Vison (Super-aging society)





Approach

[Environment]

Low Carbon, Energy Saving Society

- Solar-power generating facilities (Mega-solar system)
- ·Biomass power generation/Heat supply
- •Construction of the local power distribution/independent power supply systems centered on local elementary schools
- Large-scale vegetable factory

[Super-aging Society] Nursing Care and Welfare in the Local area

- ·Upgrading of the on-demand transportation system
- •Establishment of battery stations for each area, and the transition to EV of on-demand transportation
- Consolidation of information infrastructure in the area
- •Transmission of local information by utilizing new information devices

Development of the "FutureCity" Initiative



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