

Toward a Future City



Reconstruction of Love and Hope

Aiming to be an advanced city where every single citizen can feel “healthiness” and “happiness”



February 21, 2012

City of Iwanuma

Iwanuma City and its environment

We have been building a city with the objective to create an advanced urban city where every single citizen living in Iwanuma City can feel “healthiness” and “happiness” and remain active throughout their lives.

Iwanuma City benefits from an abundance of natural environment – on the east, there is a beautiful Japanese beach with white sand, pine trees, rich rice fields and farmland; on the west, there is Sengan Kyuryo which is a local mountain for the citizens; on the south, there is Abukumagawa, mother river; and on the north, there is the vast Sendai Plains.

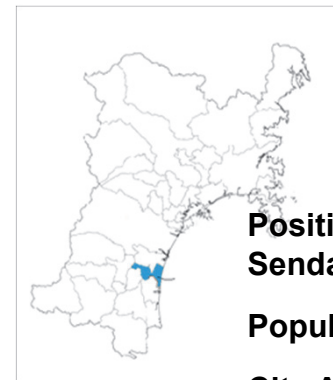
The City acquired 177ha of village mountain from Green Pia in 2003 and has utilized it as a base for promoting health and lifelong learning whilst preserving natural environment of the village mountain loved by the citizens.



Green Pia with new green leaves



Teizanbori and pine trees



**Positioned 17km south of
Sendai City**

Population circa 44,000

City Area 60.71km²

Aftermath of the earthquake

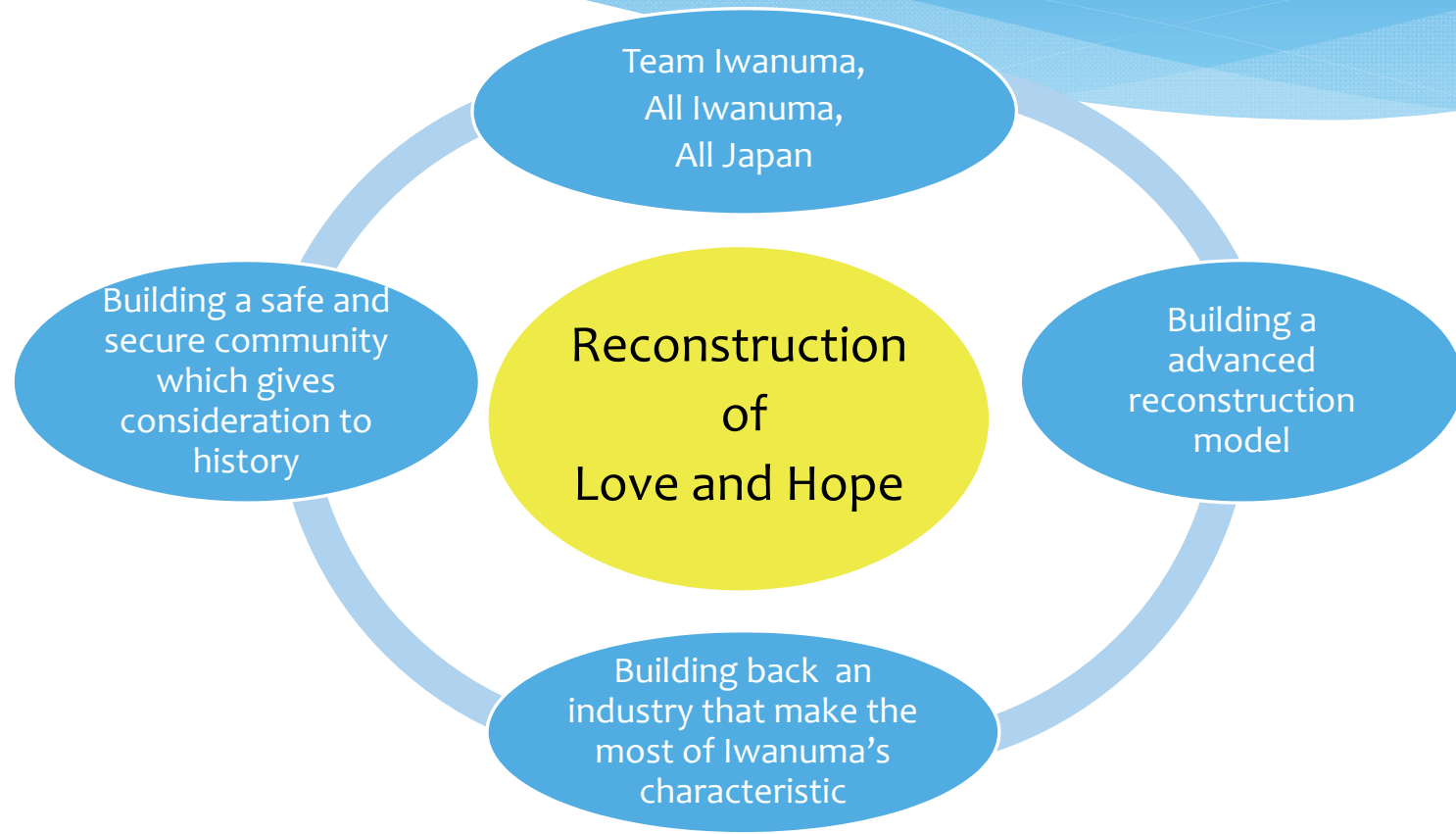
Vicinity of Sendai Airport



A town destroyed by the Tsunami



Fundamental principle



7 leading projects for the restoration

- (1) Prompt construction of temporary housing and restore stability of living**
- (2) Create a city safe from tsunami**
- (3) Restoration of farm land and regeneration of agriculture**
- (4) Establish an international medical industrial city which is also in harmony with nature**
- (5) An urban advanced model city utilizing renewable energy**
- (6) Creation of “Hill of Hope for 1,000 years” to avoid tsunami**
- (7) Preservation of cultural landscape and regeneration**

Image of Restoration of Iwanuma City

Main projects from the Earthquake Restoration Plan included in the Future City proposal

“Creation of an international medical industrial city which is also in harmony with nature”

“Utilization of renewable energy”

“Creation of an Eco Compact City”

“Hill of Hope for 1,000 years”



Historic project that links our thought, prayer and learned lesson to the future
Creation of “Hill of hope for 1,000 years”
to leave a message to the future

【Issues】

- Protection against tsunami, anxiety
- Disposal of rubble, generated in massive scale
- Utilization of coastal area that was destroyed

【Coping with issues】

- ① Shift perception from “preventing tsunami” to “disaster mitigation”

⇒ Establish a gently sloping hill in the destroyed coastal area to mitigate and disseminate impact. Together with seawall, eliminate anxiety of residents and corporations through multiple defense.

- ② Utilization of rubble

⇒ Bury concrete shells that do not contain toxic substance inside in order to leave evidence of threat from nature as well as human wisdom for future generations.

- ③ As part of the park, plant trees that match natural features when constructing the hill.

⇒ Environmentally contribute to creation of landscape as well as preservation of the ecosystem.

- ④ Call for support from both public and private sector in and outside Japan



Become a Future City that acts as a driver for restoration of disaster areas and is a symbol of restoration

International Medical Industrial City which is also in harmony with Nature

【Issues】 A number of corporations became victims of the March 11th tsunami resulting in many people losing their jobs.

【Coping with issues】

- ① Pressing need to create employment ⇒ Scheme by Miyagi Prefecture = Collect medical industry and green energy industry
⇒ Invite R&D operations and medical related companies to areas around Sendai Airport
⇒ As it is an industry that has a wide market coverage, we can expect effects to spread out widely
- ② By inviting R&D operations of medical and health segments as well as related industries, we can accumulate and revitalize industry and advance medical technology ⇒ This will lead to preparation for super-aging society.
- ③ Specific initiatives
So far 3 study sessions by experts have been organized. ⇒ Expected to make proposals on industries appropriate for Miyagi Prefecture such as industries relating to medical and health sectors, education facilities for nursing and care.
- ④ With urban development, we will make efforts to utilize renewable energy within the area.
⇒ Establish a supply system that can cope when power source is cut off.

Image of FutureCity that Iwanuma Suggests

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

Secure Life

- Group relocation
- Sharing medical chart

Protection from the Tsunami

- Hill of Thousand Year Hope
- Leveling of local roads
- Coastal embankment
- Leveling of Sadayama embankment

Coexisting with the natural environment

- Revitalization of Igune
- Hill of Thousand Year Hope
- Energy management utilizing solar-power generation and storage battery

Ecological Compact City

Emergency Management towards a tsunami

- Consolidate the Hill of Thousand-Year Hope and evacuation route
- Share the medical chart
- Stable power supply

Employment Creation

- International medical industrial city
- Create agribusinesses

Tradition/ disaster-prevention education

- The Hill of Thousand-Year Hope
- Disaster Tsunami Museum (idea)