

# Current Status of Reconstruction and Future Efforts

- I Overview of the Great East Japan Earthquake
- II II. Japanese Government's Response to the Great East Japan Earthquake
- **III** Phases of Reconstruction
- IV Status of Reconstruction and Reconstruction Efforts
- **Related Data**

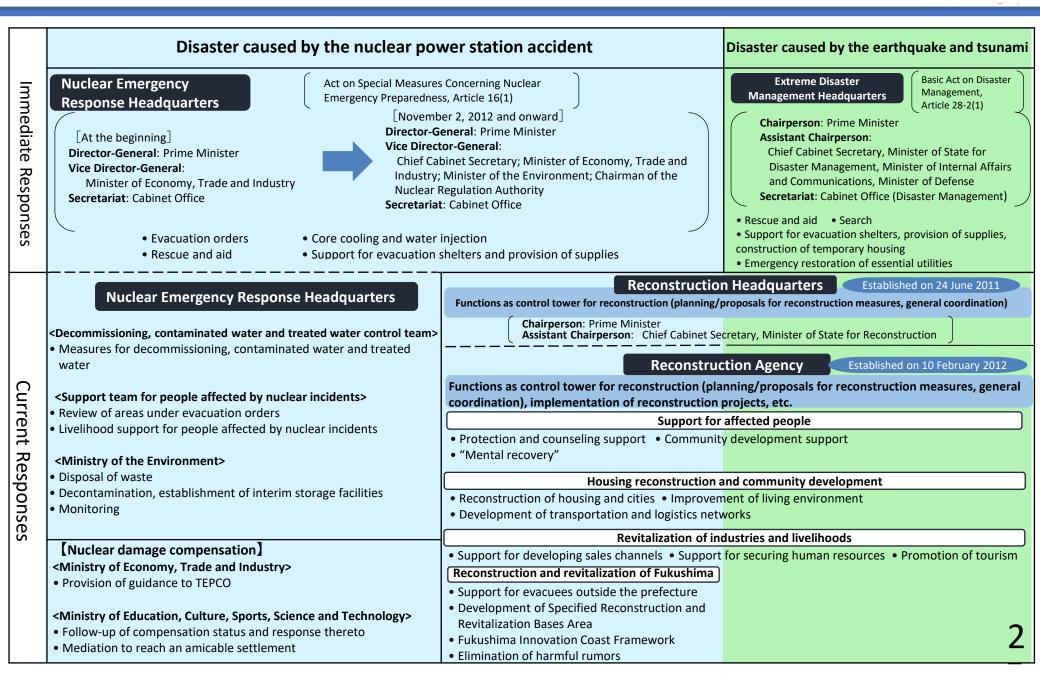
December 2023

# I. Overview of the Great East Japan Earthquake

	Great East Japan Earthquake	J. J	(Reference) Gre	at Hanshin-Awaji Earthquake
Date and time of occurrence	March 11, 2011, 14:46 JST		January 17, 1995, 5:46 JST	
Magnitude	9.0		7.3	
Type of earthquake	Subduction zone		Near field	6 ×
Disaster-affected area	Agriculture, forestry and fisheries area	Emil	City center	E (
Number of prefectures with a seismic intensity of 6-lower or greater	8 (Miyagi, Fukushima, Ibaraki, Tochigi, Iwate, Gunma, Saitama, Chiba) Seismic intensity 7: Northern Miyagi Prefecture Seismic intensity 6 upper : Southern/Central Miyagi Prefecture, Nakadori/Hamadori region in Fukushima Prefecture, Northern/Southern Ibaraki Prefecture, Northern/Southern Tochigi Prefecture		1 (Hyogo)	
Tsunami	-		Reports of tsuna centimeters high	imi several tens of n, no damage
Characteristics of damage	Lisunamis causa Avtensive damage in coastal areas . Many areas were destroyed i		Buildings collaps Nagata Ward.	ed. Large-scale fires mainly in
Deaths & Missing	(IWate: 5.145, WIVagi: 10.570, Fukushima: 3.935)		Deaths: 6,434 Missing: 3	
Housing damage (Completely destroyed)	122,039 (Iwate: 19,508, Miyagi: 83,005, Fukushima: 15,469)		104,906	
Application of the Disaster Relief Act	241 municipalities (10 prefectures of Aomori, Iwate, Miyagi, Fukushima, Ibaraki, Tochigi, Chiba, Tokyo, Nagano and Niigata)		25 municipalitie (2 prefectures o	s of Osaka and Hyogo)
Multiple disasters	Accident at the Fukushima Daiichi Nuclear Power Station, TEPCO Area of evacuation order: 1,150㎢ (August 2013(maximum)) Number of evacuees : 470,000 ( just after the occurrence of the disaster )			_

1

# II. Japanese Government's Response to the Great East Japan Earthquake



# III. Phases of Reconstruction

I Intensive Reconstruction Period (March 2011–March 2016)	I First Reconstruction/Revitalization Period (Mar. 2016 to Mar. 2021)	III Second Reconstruction/Revitalization Period (Apr. 2021 to Mar. 2026) <current phase=""></current>
Basic Guidelines for Reconstruction in Response to the Great East Japan         Earthquake (Cabinet decision July 2011 / Revised August 2011)         Aim for the earliest possible restoration/reconstruction of disaster-affected areas <organizations systems="">         • Basic Act on Reconstruction promulgated and enforced (Jun. 2011)</organizations>	Basic Guidelines for Reconstruction in Response to the Great East Japan Earthquake From the "Reconstruction and Revitalization Period" (Cabinet decision Mar. 2016 / Revised Mar. 2019) While meticulously addressing new issues and diverse needs that arise as reconstruction progresses in phases, aim to achieve reconstruction that leads to independence of disaster-affected areas and serves as a role model of regional revitalization.	Basic Guidelines for Reconstruction in Response to the Great East Japan Earthquake From the "Second Reconstruction and Revitalization Period"         (Cabinet decision Mar. 2021)         The philosophy of the First Reconstruction/Revitalization Period is retained.         (1) Area affected by the earthquake and tsunami         Meticulously respond to issues that remain         • To support people affected by the disaster, meticulously address
<ul> <li>→ Reconstruction Headquarters established</li> <li>Act for Establishment of the Reconstruction Agency Promulgated (Dec. 2011) Enforced (Feb. 2012)</li> <li>→ Reconstruction Agency established</li> <li>Act on Special Zones for Reconstruction</li> </ul>	<organizations systems=""> <ul> <li>Specified Reconstruction and Revitalization Bases</li> <li>Area system established (Feb. 2017)</li> <li>the mandate of the Reconstruction Agency extends</li> <li>for another 10 years (Jun. 2020)</li> </ul></organizations>	<ul> <li>issues specific to each phase of reconstruction</li> <li>Encourage utilization of land left after relocation</li> <li>Support the seafood processing industry, the core industry of the disaster-affected area, in developing sales channels and converting raw materials for processing</li> </ul>
<ul> <li>promulgated and enforced (Dec. 2011)</li> <li>Mid-and-Long-term Roadmap* determined (Dec. 2011) *Revised in 2019</li> <li>Special account for reconstruction established (April 2012)</li> <li>*Mid-and-Long-term Roadmap towards the Decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Station, Tokyo Electric Power Company Holdings</li> </ul>	<ul> <li><others> <ul> <li>All landing functions restored at 319 disaster-affect fishing ports. (Mar. 2018)</li> <li>Restoration of major port facilities completed (Mar. 2018)</li> <li>Decontamination completed in 100 municipalities eight prefectures, except for the Difficult-to-retur home Area (Mar. 2018)</li> <li>Evacuation orders lifted in all areas, except for the</li> </ul> </others></li> </ul>	<ul> <li>Continue with efforts to return to normal after the accident and revitalize the environment</li> <li>Prepare the living environment for returnees and promote relocation/settlement, etc.</li> <li>Promote measures to encourage people to return to and reside within and outside the Specified Reconstruction and Revitalization Bases Area in Difficult-to-return-home Area</li> </ul>
<ul> <li><others></others></li> <li>Number of occupied emergency temporary housing units at peak (Mar. 2012)</li> <li>Fisheries start test operation in Fukushima Deforture (Jun. 2012 to Mar. 2021);</li> </ul>	<ul> <li>Difficult-to-return-home Area (Mar. 2020)</li> <li>Reconstruction of housing and cities and almost all public infrastructure works completed (Dec. 2020</li> <li>Provision of emergency temporary housing units in</li> </ul>	• Support resumption of business in farming, forestry and fisheries,
<ul> <li>Prefecture (Jun. 2012 to Mar. 2021); currently transitioning to full operation.</li> <li>Evacuation shelters eliminated (Feb. 2013)</li> <li>Review of area of evacuation order completed (Aug. 2013)</li> <li>Disaster waste disposal completed with the exception of certain areas in Fukushima Prefecture (Mar. 2014)</li> </ul>	<ul> <li>Iwate and Miyagi prefectures terminated (Mar. 2021)</li> <li>Transportation of removed soil, etc. after decontamination within Fukushima Prefecture (excluding Difficult-to-return-home Area) to inter storage facilities almost completed</li> <li>A cumulative total of 3,090 businesses moved out from temporary plants and other facilities, with 97 occupants remaining. (Mar. 2021)</li> </ul>	<ul> <li>(3) Passing on lessons and memories to future generations</li> <li>Establish state-run memorial/prayer facilities in Fukushima Prefecture</li> <li>Collaborations with earthquake remnants and legacy facilities</li> <li>Compile effective reconstruction methods/measures and private- sector expertise, and widely share and proliferate the outcomes with related organizations.</li> <li>Assess reconstruction initiatives</li> </ul>

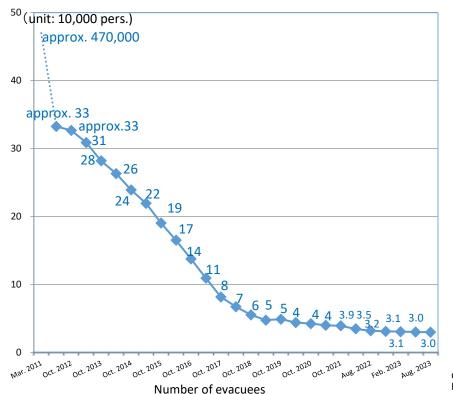
3

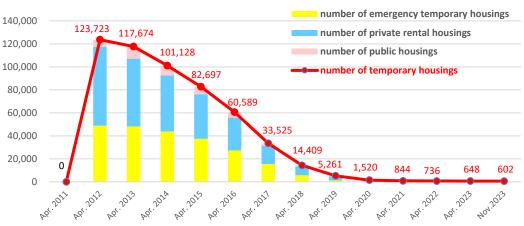
- 1. Support for Evacuees
- 2. Reconstruction of Homes and Cities
- 3. Revitalization of Industries and Livelihoods

## 1. Support for Evacuees

(Current status) • The number of evacuees has decreased from the initial 470,000 after the disaster to 30,000. (November 2023)

- The number of residents in emergency temporary housing, etc. decreased from a maximum of 124,000 units (316,000 pers.) to 602 units (958 pers.). (November 2023) ※Okuma Town, Futaba Town
- (Efforts) Continue seamless support according to the stage of reconstruction
  - > Watching over the elderly people > Providing mental and physical care > Supporting community formation
  - > Creating purpose in life > Providing learning support and mental care for the disaster-affected children, and more





Number of units occupied in emergency temporary housings, etc.

Farming helps people interact and

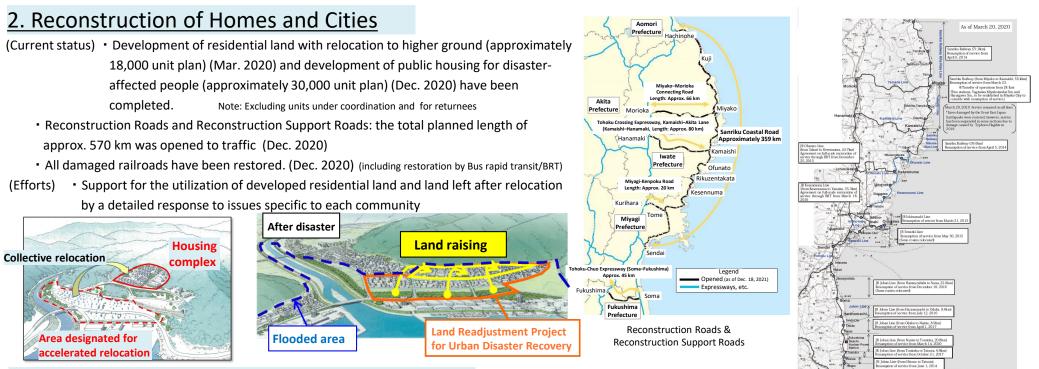
feel fulfilled



Gatherings are held for residents of public housing for disaster-affected people



Local communities and schools join hands to support learning

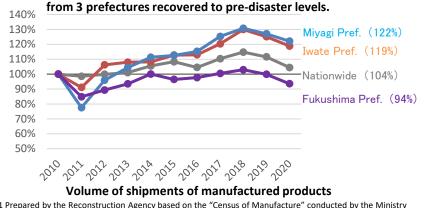


## 3. Revitalization of Industries and Livelihoods

(Current status) • Production facilities in the three disaster-affected prefectures have mostly been restored.

(Efforts)  $\cdot$  Support the development of sales channels and conversion of raw materials for processing in the

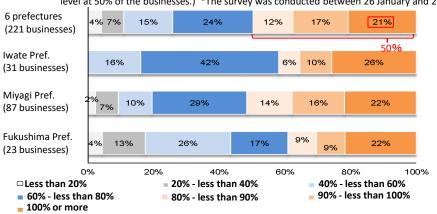
seafood processing industry, which is the core industry of the disaster-affected area [Industry] Volume of shipments of manufactured products



\*1 Prepared by the Reconstruction Agency based on the "Census of Manufacture" conducted by the Ministry of Economy, Trade and Industry and the "Economic Census for Business Activity" and the "Census of Manufacture" conducted by the Ministry of Internal Affairs and Communications and the Ministry of Economy, Trade and Industry. \*2 The value of 2010 is set at 100.

#### [Seafood processing industry] Sales for seafood processing businesses are still on the way to recovery.

(According to the results of the 10th survey of seafood processing businesses on restoration from the Great East Japan Earthquake, sales were restored at least to the pre-disaster level at 21% of all seafood processing businesses in six prefectures along the East Coast from Aomori to Chiba, and to 80% or higher of the pre-disaster level at 50% of the businesses.) \*The survey was conducted between 26 January and 27 February 2023.

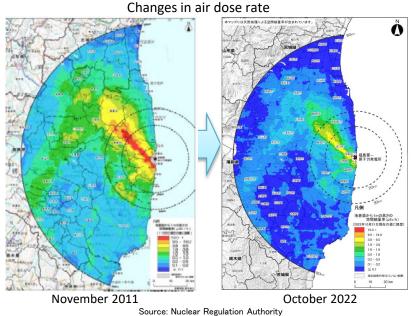


Recovery of railways

# IV. Status of Reconstruction and Reconstruction Efforts 2

- 1. Returning to normal after the accident (decommissioning and measures of contaminated water or ALPS treated water)
- 2. Efforts for reconstruction and revitalization of Areas affected by the nuclear disaster
- 2-1. Efforts for Environmental Revitalization
- 2-2. Lifting of evacuation orders and reconstruction and revitalization of Difficult-toreturn-home Area
- 2-3. Promotion of returning and reconstruction of livelihoods
- 2-4. Fukushima Innovation Coast Framework
- 2-5. Fukushima Institute for Research, Education and Innovation (F-REI)
- 2-6. Revitalization of agriculture, forestry and fisheries
- 2-7. Countermeasures against reputational damage

### **<u>1. Returning to normal after the accident (decommissioning and measures</u> of contaminated water or ALPS treated water)**



• Based on the Mid-and-Long-term Roadmap towards the Decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Station, the national government takes a leading role in implementing safe and steady steps.

- To proceed with the decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Station and achieve restoration of Fukushima, the discharge of ALPS (Advanced Liquid Processing System) treated water is a pressing issue that cannot be put off.
- The Comprehensive Report by IAEA on ALPS treated water discharge was released in July 2023, concluding that the discharge is consistent with relevant international safety standards and that its radiological impact on people and the environment is negligible.
- It was decided at the meeting of relevant ministers, etc. held in August 2023 that the government would take full responsibility in taking measures against reputational damage and livelihood concerns caused by the discharge of ALPS treated water, until the discharge is completed.
- At the meeting, the government requested TEPCO to promptly prepare for the commencement of ocean discharge based on the implementation plan approved by the Nuclear Regulation Authority. The ocean discharge was started on August 24, 2023, and is monitored by relevant organizations, with monitoring results disclosed to the public.
- The second and third ocean discharge started on October 5 and on November 2, 2023, respectively. (No significant monitoring results have been observed that would stop the ocean discharge by the end of the third release.)

### 2. Efforts for reconstruction and revitalization of Areas affected by the nuclear disaster

### 2-1. Efforts for Environmental Revitalization



Soil storage facility at Interim Storage Facility (Okuma Town)



Soil reception and separation facility (Okuma Town)



Environmental restoration project in Nagadoro district, litate Village



Demonstration test of road fill in the Interim Storage Facility

(Current status) • Decontamination was completed in 100 municipalities in eight prefectures, except for the Difficult-toreturn-home Area. (March 2018)

> Approx. 13.73 million m<sup>2</sup> of removed soil, etc. has been transported to interim storage facilities (End of November 2023), and approx. 87% of the temporary storage site has been restored to its original state.(End of October 2023)

(Efforts) • Management and restoration of temporary storage sites

Transportation of removed soil, etc. to interim storage facilities

• Treatment of specified waste, such as volume reduction and recycling, for final disposal outside the prefecture

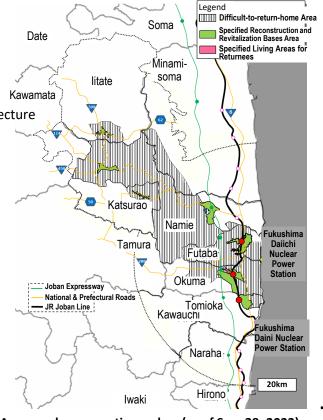
### **2-2.** Lifting of evacuation orders and reconstruction and revitalization of Difficultto-return-home Area

(Current status)

- In the target areas, decontamination and infrastructure development have been carried out, and evacuation orders have been steadily lifted.
- In the Specified Reconstruction and Revitalization Bases Area, all the evacuation orders were lifted in **six towns** and villages by November 2023.
- In June 2023, under the Revised Act on Special Measures for the Reconstruction and Revitalization of Fukushima, a new "Specified Living Areas for Returnees" has been created, aiming for the return of residents by lifting the evacuation order in areas outside the Specified Reconstruction and Revitalization Bases Area.
- Based on the above-mentioned system, the towns of Okuma and Futaba prepared Reconstruction and Revitalization Plan for the Specified Living Areas for Returnees for a part of the area in both towns, which was approved by the Government in September of the same year.

(Efforts) • In some areas of Okuma and Futaba Towns, preliminary decontamination works will begin by the end of FY2023.

 Coordination with each municipality, including other municipalities that have conducted surveys on residents' intention to return home, will be carried out for early preparation and revision of the plan so that full-scale decontamination can begin within FY2024.



### 2-2. Lifting of evacuation orders and reconstruction and revitalization of Difficult-to-return-home Area

				Specified Reconstruction and Revitaliza
W	here?	When?	What?	Futaba Town (designated on September 15, 2017)
Areas unde for lifting e orders & R residential	estricted	By March 2020	Evacuation orders have been lifted in all areas, except for the Difficult-to-return- home Area.	Specified Reconstruction and Revitalization Bases Area
Difficult- to- return-	Specified Reconstruction and Revitalization	March 2020	Evacuation orders in areas around JR Futaba Station, Ono Station and Yonomori Station were lifted ahead of other areas.	Namie Town (designated on December 22, 2017)
home Area	Bases Area (Katsurao Village, Okuma	June 2022	Evacuation order for Katsurao Village and Okuma Town was lifted.	Tsushima District
	Town, Futaba Town, Namie	August 2022	Evacuation order for Futaba Town was lifted.	Suenomori District
	Town, Tomioka Town, litate Town)	March 2023	Evacuation order for Namie Town was lifted.	Area designated as Specified
		April 2023	Evacuation order for Tomioka Town (Yonomori and Oosuge district) was lifted.	Reconstruction and Revitalization Bases Area Difficult-to-return-home Area litate Village
		May 2023	Evacuation order for litate Village was lifted.	(designated on April 20, 2018)
		November 2023	Evacuation order for Tomioka Town (Oragahama and Fukaya district) was lifted.	Area where evacuation orders were lifted Area designated as Specified
	Area outside the Specified Reconstruction and Revitalization	August 2021	The "Approach to the Lifting of Evacuation Orders for the Return and Resettlement Outside of the Specified Reconstruction and Revitalization Bases Area" was decided.	Reconstruction and Revitalization Bases Area Difficult-to-return-home Area
	Bases Area	June 2023	Revised Act on Special Measures for the Reconstruction and Revitalization of Fukushima was promulgated and went into effect. (Specified Living Areas for Returnees)	Specific Revitalized Residential Areas         Okuma Town         (designated on September 29, 2023)         Difficult-to-return-home         Area
		September 2023	The "Reconstruction and Revitalization Plan for the Specified Living Areas for Returnees of Okuma Town" and "Reconstruction and Revitalization Plan for the Specified Living Areas for Returnees of Futaba Town" were approved.	Specified Living Areas for Returnees

### [Specified Reconstruction and Revitalization Bases Area]

Okuma Town



000011

#### Tomioka Town (designated on March 9, 2018)

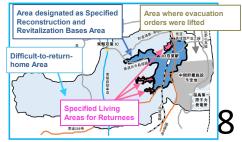
Area where evacuation orders were lifted



Katsurao Village (designated on May 11, 2018)



#### Futaba Town (designated on September 29, 2023)



### 2-3. Promotion of returning and reconstruction of livelihoods

(Current status) • The number of evacuees in Fukushima Prefecture has decreased (from a maximum of 165,000 to 27,000 (September 2023)).

•The number of residents in the all areas where evacuation orders have been lifted has been gradually increasing.

(approx. 4,000 in April 2017 ➡ approx. 16,000 in July 2023)

- (Efforts) Improvement of living environment, such as medical care, long-term care, education, shopping, housing, and transportation
  - Promotion of migration and settlement of new residents (providing information on housing and jobs through the Fukushima 12 Municipalities Migration Support Center, assisting migrants in securing housing, and providing grants to support migration, etc.)

# Medical and nursing care, welfare

April 2018 Minamisoma City

"Ume-no-Ka", a special assisted living facility for the elderly reopened April 2018 Tomioka Town

Futaba Medical Center

Establishment of Fukushima Prefecture Futaba Medical Center,

which provides core medical services in the region 24 hours a day

April 2020 Okuma Town

"Okuma Mominoki-en" opened, a group home for the elderly with dementia

February 2021 Okuma Town Medical Clinic opened

December 2021 Odaka Medical Clinic opened

April 2022 Tomioka Town "Co-living Support Center Sakura no Sato" opened

- June 2022 Namie Town Fureai Welfare Center opened
- February 2023 Futaba Town Medical Clinic opened

# Workplaces

September 2018:	Mitsufuji Corporation plant started operations in Kawamata-nishi Industrial
	Park in Kawamata Town
October 2019:	NBS Co.,Ltd. plant started operations in Naraha-kita Industrial Park
	in Naraha
May 2021:	Ohashi Kisan plant started operations in Tanoiri Industrial Park in Kawauchi
	Village
June 2021:	ROBOTCOM & FA.COM plant started operations in an Minamisoma City
	Fukko Industrial Park
September 2021:	A grain drying, preparation and storage facility started operations in Namie
	Town
April 2022:	Berg Fukushima Co.,Ltd. opened a plant vaccine research institute in
	Kawamata-nishi Industrial Park in Kawamata Town
July 2022:	Okuma Incubation Center opened (Okuma Town)
A	

April 2023: Asano Nenshi Co., Ltd FUTABA SUPER ZERO MILL (Futaba Town) opened

# Housing

**Reconstruction Public Housing:** 

➡ 4,767 units completed out of 4,890 planned units Disaster Public Housing for returnees:

➡ 431 units completed out of 453 planned units



Hiwada housing complex, reconstruction public housing managed by the prefecture

# Education

Elementary/Junior high schools already reopened in 11 municipalities(except Futaba Town)

Opening of new schools, other:

April 2019 : Futaba Future School JHS opened

April 2020 : litate Kibo-no-Sato Gakuen opened

- April 2021 : Kawauchi Elementary & JHS opened
- April 2022 : Tomioka Elementary School & Tomioka JHS opened
- April 2022 : Naraha Elementary School opened

April 2023 : Okuma Town "Manabiya Yumenomori" kindergarten & opened

May 2023: A committee started to discuss the reopening of the school in Futaba Town

# Transportation, etc.

[JR Joban Line]

March 2020: All lines opened. J-Village Stn. established [Joban Expressway]

March 2020: Joban-Futaba IC opened

[Soma-Fukushima Road]

December 2019: Soma IC to Soma-Yamakami JCT opened August 2020: Date-Koori IC to Koori JCT opened April 2021: Entire section opened to traffic

# Shopping

March 2017: Sakura Mall Tomioka opened in Tomioka Town June 2018: Kokonara Shopping Town opened in Naraha Town June 2019: Daiyu 8 Odaka opened in Minamisoma City July 2019: Aeon Namie opened in Namie Town



**Roadside Station Namie** 

9

February 2020: York Benimaru Haramachi opened in Minamisoma City April 2021: Roadside Station(Michi-no-eki) Namie opend in Namie Town April 2021: A commercial facility opened in Ogawara, Okuma Town



Opening ceremony of J village Stn.

Yumenomor

# 2-4. Fukushima Innovation Coast Framework



Robot & Aerospace Festa Fukushima

- In June 2014, the Fukushima Innovation Coast Framework, an initiative aimed to establish a new industrial platform in Hamadori and other areas, was put together by the Fukushima International Research Industry City (Innovation Coast) Framework Association. In May 2017, the Act on Special Measures for the Reconstruction and Revitalization of Fukushima was revised to legislate the framework into law.
- O Under the Framework, the plan is to utilize various technologies (e.g., robot technology for decommissioning operation) for resolving issues in other fields, and to develop specialized personnel as leaders of new technologies and industries in order to support regional reconstruction. In addition, building on projects for regional energy and agricultural, forestry and fisheries industries as seedbeds, we will establish new research/industry bases to generate new technologies and industries in the future.

3 Pillars (1) A region where all challenges are possible	(2) Local companies play central roles (3) Human resources development that sustains the Framework			
Concrete Initiatives (1) Industrial clustering •Business creation support •Technology development and commercialization support, etc. (2) Education/Human resources development •Career education in conjunction with the Framework •Development of top leaders, etc.	(3) Expansion of the circle Drawing visitors by creating new attractions in collaboration with the local community, etc. (4) Information dissemination Widely share information through the Great East Japan Earthquake and Nuclear Disaster Memorial Museum, etc.			
<ul> <li>6 Key Areas</li> <li>Decommissioning</li> <li>Developing technology through collective wisdom of Japan and the rest of the world</li> <li>Stabilish international decommissioning R&amp;D sites to accelerate the decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Station (Naraha Town, Tomioka Town, Okuma Town, Technology Development</li> </ul>				
<ul> <li>Energy</li> <li>Establishing technologies for leading-edge renewable energy and recycling</li> <li>▶ Establish a smart community where renewable energy including hydrogen energy are efficiently used</li> </ul>	Agriculture, forestry, and fisheries Regenerating agriculture, forestry, and fisheries industries by utilizing ICT, robotic technology, etc. Establish ICT-based agricultural model			
Medical and health care Cultivating corporate sales channels through technology development support Cluster health care-related companies	Aerospace         Developing next-generation air mobility solutions and strengthening competitiveness of related companies         ➤ Support technological exchange and business			

and promote new corporate and other entrants



**Fukushima Medical Device Development** Support Centre (Koriyama City)

negotiations in the aerospace industry and companies advancing into the industry

### 2-5. Fukushima Institute for Research, Education and Innovation (F-REI)

The Fukushima Institute for Research, Education and Innovation (F-REI) aims to become a world-class, core center for creative reconstruction, embodying people's hopes and dreams for realizing the reconstruction of Fukushima and other parts of the Tohoku region, driving Japan's scientific and technological capabilities and industrial competitiveness, and contributing to economic growth and the improvement of people's lives.



**Research Themes at F-REI** \* Basic plan for research and development, including the creation of new industries, to be formulated by the summer of 2022

### **(1)**Robotics

Development of advanced, remotely operated robots and drones that can contribute to decommissioning work, research on performance evaluation methods, other



Drone robots for harsh environments

#### (2) Agriculture, forestry and fisheries ]

Realization of a regional circular economy model through intense laborsaving production and the utilization of agricultural, forestry and fisheries resources

Smart agriculture, forestry and fisheries (Agricultural machinery control systems)

#### (5) Collection and dissemination of data and knowledge on nuclear disasters

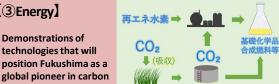
R&D and dissemination of information integrating the natural and social sciences to contribute to environmental recovery from nuclear disasters and preparations for nuclear disaster on an international scale, as well as the elimination of harmful rumors, other

[③Energy]

**Demonstrations of** 

neutrality, other

technologies that will



Realization of carbon neutrality (Production of chemical products etc. by bio-chemical processes)



Practice and effectiveness verification research for reconstruction and revitalization of the community

#### (4) Radiation science, medicine and drug development, industrial applications for radiation

Basic and fundamental research on radiation science and the development of advanced medical applications and drug discovery technologies for RI, and industrial applications for radiation, other

**Research and** development of radiation imaging technology

#### Aim to spread the effects of F-REI's establishment over a wide area

 Promote diverse partnerships with municipalities, universities and research institutions, companies and organizations, etc., with F-REI as the core. Realize "the only place in the world for research, demonstration, and implementation" centered on the Hamadori region, and disseminate information internationally

<Location of the F-REI> • HQ : in Fureai Center Namie

- Main facility : in Kawazoe district in
  - Namie Town

### 2-6. Revitalization of agriculture, forestry and fisheries

- (Current status) In the 12 municipalities affected by the nuclear disaster, the areas where farming resumed are at 46% of the pre-disaster level. (As of the end of FY 2022)
  - Coastal fisheries in Fukushima Prefecture are in a transition phase from test operations, which ended in March 2021, to full-scale operations. The fish landings are at 22% of the pre-disaster level. (As of end of 2022)

### (Efforts) • Support for resumption of farming

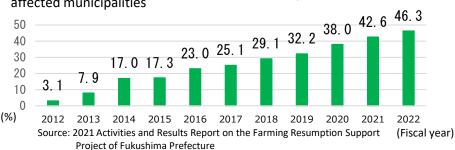
(Development of large-scale agricultural management with high labor productivity, and creation of production areas that produce high value-added products over a wide area)

- Support for resumption of full-scale operations, such as development of sales channels
- Dispelling harmful rumors about products from the disaster-affected areas

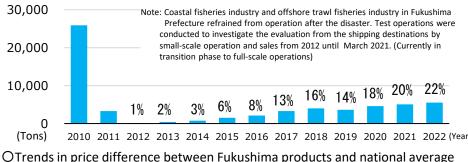
## 2-7. Countermeasures against reputational damage

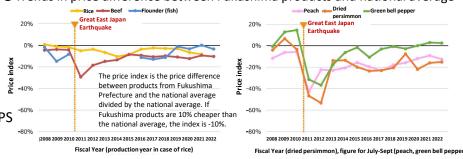
- (Current status) Although the price gap between products from Fukushima Prefecture and the national average is decreasing, the price of some products has not yet recovered to pre-disaster level.
  - Of the 55countries/regions that have taken import control measures, 48 have abolished the measures, and 7 maintain them.
- (Effort) Provide information to promote agricultural and other products from Fukushima Prefecture through various media, such as TV, radio and the Internet, while highlighting safety and encouraging people to buy the products.
  - The Measure Package for Information Provision to Increase Understanding of ALPS Treated Water was compiled at the meeting of the Task Force for Measures against Damage Caused by the Nuclear Disaster, Including Reputational Damage held in August 2021. (Revised in April 2022)
  - Public relations activities at the G7 Hiroshima Summit and ministerial meetings.
  - Following the start of the discharge of ALPS treated water into the ocean, a task force meeting was held in August 2023, at which the Minister of Reconstruction instructed the ministries and agencies concerned on points they should follow in their efforts to dispel rumors.
  - In line with the five-pillar policy package (compiled in September 2023) to "protect the fisheries industry," efforts are being promoted to play a central role in addressing reputational rumors.

O Areas where farming resumed in the 12 Note: The ratio to the areas where farming was suspended as of the end of December 2011



# OLandings of coastal fisheries (including offshore) and marine aquaculture in Fukushima Prefecture





source : FY2022 Survey on Distribution of Agricultural Products Produced in Fukushima (Ministry of Agriculture, Forestry and Fisheries)

teadfast lourney

[Examples of information dissemination to domestic and international audiences]





<sup>ages.</sup> 12

# 1. State-run memorial facilities

 With the aim of consoling the souls of the victims of the Great East Japan Earthquake, passing on our memories of the disaster and the lessons we have learned from it, and sharing with the world our strong determination to achieve reconstruction, the government has been creating hills and open spaces as core centers within reconstruction memorial parks established by local municipalities.
 Iwate and Miyagi Prefecture : Completed at the end of FY 2020

Fukushima Prefecture : Construction underway for completion by the end of FY 2025

# 2. Ruins and legacy facilities

- Participated in the Earthquake Disaster Legacy Network Council
- *Rurubu* (travel guide series) special edition : the *Densho Shisetsu* (legacy facilities) Guide (published in March 2023)
- Will participate in the Tohoku Reconstruction Tourism Promotion Network (tentative name) (East Japan Railway Company)

# 3. Share know-how and assess reconstruction policy

(1) "Lessons Learned and Know-how Gained from the Great East Japan Earthquake" (Released in March 2021)

- Collected and studied a huge volume of case examples of initiatives implemented by the public and private sectors, and extracted lessons and know-how from them in consideration of expert knowledge
- (2) "Reflection on the Past Decade of Reconstruction Policy" (released in August 2023)
  - Collected and organized materials about the transitions of government organizations and initiatives related to reconstruction, progress in reconstruction, etc. for the First Reconstruction/Revitalization Period (FY 2011 to FY 2020), and summarized assessments and issues in consideration of the opinions of external experts
- (3) Launched a website for passing on lessons learned from the Great East Japan Earthquake: "Tsunagu, Mirai-e" (lit. Passing on to the future) (March 2023)
- (4) Share Japan's expertise with other countries (e.g., Ukraine)

A state-run memorial facility (Rikuzen-Takata, Iwate Prefecture)



Densho Shisetsu (legacy facilities) Guide (Rurubu special edition)



Giving a lecture on reconstruction measures for Ukrainian government officials (May 2023)



# Basic Guidelines for Reconstruction in Response to the Great East Japan Earthquake From the "Second Reconstruction and Revitalization Period" (overview)

Cabinet Decision March 9, 2021

14

In light of a decade of progress after the disaster and challenges, establish policies for actions in each field, systems to support reconstruction, and organizations from the Second Reconstruction and Revitalization Period (2021 to 2025), based on Article 3 of the Basic Act on Reconstruction in Response to the Great East Japan Earthquake.

### Basic policy and efforts in each field

### 1. Area affected by the earthquake and tsunami

At the stage of "overall completion" of reconstruction

 $\Rightarrow$  Aim for the reconstruction project to **fulfill its role** in the second period.

#### O Construction project

• Most of the project has been completed. Part of the project has yet to be completed, and will continue within the budget already secured.

#### O Support for people affected by the disaster

(mental care, community formation, monitoring, consultations, etc.)\*

 $\boldsymbol{\cdot}$  Continue to provide support according to the progress of the project amid changes in social conditions

#### O Support for children

(additional placement of teachers, placement of school counselors, financial assistance for schooling)\* • Continuous support according to the progress of the project, such as the situation of children in need of support

\*For projects that are not completed within the second period, consider how to support and take appropriate measures.

#### O Reconstruction of homes and cities

•Continue support for rent reductions and special rent reduction projects for a determined period of time •Detailed response and support for utilizing developed residential land and land left after the relocation

#### O Industries and livelihoods

• Support the revitalization and relocation of small and medium-sized enterprise groups (restriction and prioritization of targets)

 Support the seafood processing industry in developing sales channels and converting raw materials for processing

#### O Strengthening collaboration with regional revitalization

·Enhancing and strengthening collaboration between reconstruction and regional revitalization measures

#### 3. Passing on lessons and memories to future generations

·Establishment of national memorial and prayer facilities in Fukushima Prefecture

- · Identifying effective reconstruction methods and efforts, as well as providing information and
- enlightenment to related organizations

## Project scale and financial resources

• Estimated budget for 15 years from FY 2011 to FY 2025: Approximately 32.9 trillion yen %Detailed responses to new issues and various needs are required in the nuclear disaster-affected areas. It is important to review responses as necessary.

## 2. Area affected by the nuclear disaster

It is necessary for the national government to continue to take a leading role in the medium- to

 $\textbf{long-term response.} \ \Rightarrow \text{Efforts for full-scale reconstruction and revitalization over the next decade}$ 

#### O Returning to normal after the accident

- •Implement safe, steady decommissioning and measures for contaminated water, which are the prerequisites for reconstruction.
- Make responsible, timely conclusions regarding ALPS treated water.

#### O Efforts to revitalize the environment

• Management and restoration of temporary storage sites, and the development of interim storage facilities and transportation to the facilities

• Treatment of specified waste, such as volume reduction and recycling, for final disposal

#### ${\bf O}$ Promotion of returning and relocation, rebuilding of livelihoods, etc.

- · Preparing the environment for returnees, promoting relocation/settlement, etc.
- Continuously supporting disaster-affected people
- Development of the Specified Reconstruction and Revitalization Bases Area while managing the progress
- Accelerating the discussion of policies for lifting evacuation orders outside the Specified Reconstruction and Revitalization Bases Area

#### O Promotion of the Fukushima Innovation Coast Framework

· Promote with emphasis on core fields for industrial development in areas including Hamadori

O Establishment of an international educational and research base

Promote efforts to establish a new base that will be the core base for creative reconstruction

#### O Reconstruction of businesses and agriculture, forestry and fishery industry

• Support for business resumption, acceleration of resumption of farming, forest maintenance, revitalization of log wood forests and production areas for special forest products, and support for full-scale fishery operations and the seafood processing industry

#### $\boldsymbol{O}$ Dispelling rumors and promotion of risk communication

• Continuous provision of information both domestically and internationally to eliminate negative rumors about agriculture, forestry and fisheries products, tourism, etc.

·Verification of regulations on food, etc.

· Promotion of abolition and relaxation of import regulations

## Organization

Extend the period of establishment for the Reconstruction Agency by ten years, relocate the Iwate Reconstruction Bureau to Kamaishi and the Miyagi Reconstruction Bureau to Ishinomaki Establish an organization in charge of knowledge utilization in the Reconstruction Agency and share knowledge with related organizations

# **Related Data**

		Figures before the disaster or maximum figures	Current status
Evacuees	The number of evacuees	<b>470,000</b> (Immediately after the disaster)	<b>30,000</b> As of November 2023 (out of which evacuees from Fukushima prefecture: 27,000)
es	Number of people living in emergency temporary housing	<b>316,000</b> April 2012 (maximum)	958 As of November 2023
Infrast	Reconstruction Roads and Reconstruction Support Roads (Aomori, Iwate, Miyagi, Fukushima)	<b>570km</b> (Planned)	<b>570km (100%)</b> As of December 2021
Infrastructure/housing	Public housing for disaster-affected people (Aomori, Iwate, Miyagi, Fukushima, Ibaraki, Chiba, Niigata, Nagano) Note: Excludes units under coordination and for returnees	<b>29,654</b> (Planned number of units)	<b>29,654 (100%)</b> As of December 2020
ousing	Development of residential land with relocation to higher ground (Iwate, Miyagi, Fukushima)	18,226 (Planned number of units)	<b>18,226 (100%)</b> As of December 2020
Industries : livelihoods	Volume of shipments of manufactured products (Iwate, Miyagi, Fukushima)	10,763.7 billion yen 2010	11,619.3 billion yen 2020
ies and ods	Areas able to resume farming (Aomori, Iwate, Miyagi, Fukushima, Ibaraki, Chiba)	<b>19,660 ha</b> (Areas affected by the tsunami)	<b>18,660 ha (96%)</b> As of March 2023
Nuclea	Dimension of areas under evacuation orders	<b>1,150 km<sup>2</sup></b> August 2013 (maximum)	<b>309 km<sup>2</sup> (27%)</b> As of May 2023
Nuclear disaster	The number of countries and regions imposing import restrictions on Japanese agricultural, forestry and fishery products and foods	55 countries/regions (maximum)	7 countries/regions (lifted by 48 countries/regions) As of August 2023