Steps for Revitalization in Fukushima

<April 21 , 2015>

ふくしまから
はじめよう。
Future From Fukushima.

Fukushima Prefecture

Disaster status in Fukushima Prefecture①(Damage of an earthquake and the tsunami)

The 2011 Great East Japan Earthquake occurred at 2:46 p.m. March 11, 2011 with its epicentre off the Sanriku coast. Its magnitude was observed at a record high of M9.0.
This massive earthquake of a maximum seismic intensity of 7 triggered a large tsunami that rushed into a large area inshore.

Disaster status after the earthquake and tsunami

<Disaster status> As of March 23, 2015

◆Death toll : 3,713 persons
(disaster-related death toll : 1,885 persons)

◆Missing : 3 persons

Yotsukura Bay being struck by tsunami

Police officers searching missing persons with heavy machines (Soma City)

<Cost of damage> As of March 23, 2012

◆Reported cost of damage for public works facilities: **About 316.2 billion yen**

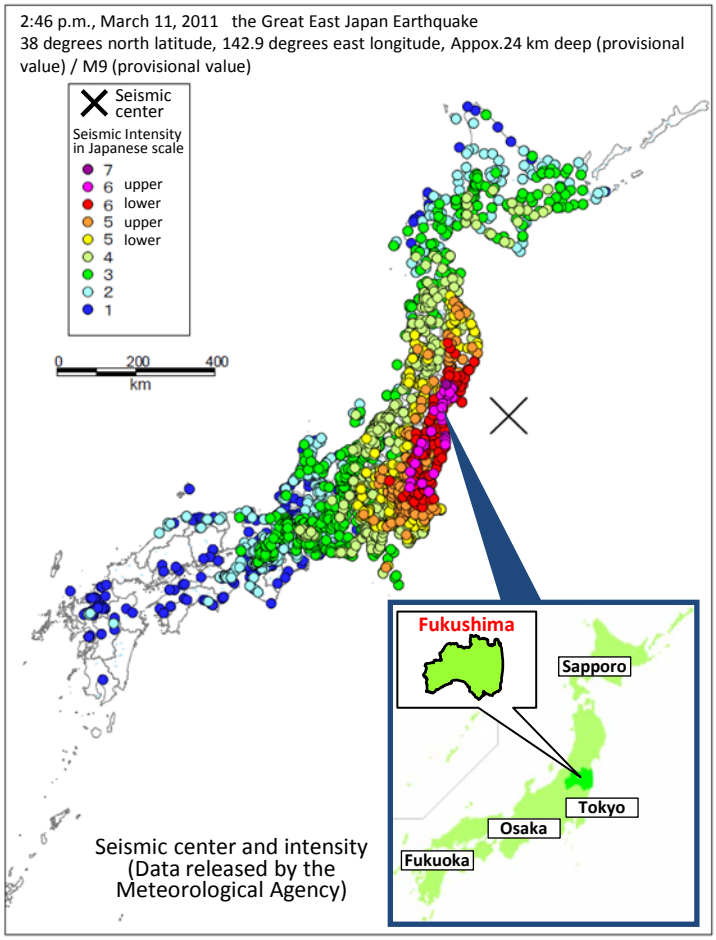
◆Reported amount of damage on agricultural, forestry and fishery facilities: **About 245.3 billion yen**

◆Reported amount of damage on educational facilities: **About 37.9 billion yen**

◆Total of reported amount of damage on public facilities: **About 599.4 billion yen**

※Areas under jurisdiction of the prefectural government: the 30km radius zone from the Fukushima Daiichi NPS, approximate amount of damage was estimated based on air photos.
※Areas under jurisdiction of municipalities: Excluding approximate amount of damage in parts of Minami soma City and 8 municipalities in Futaba.

【data source】
Land Rehabilitation & Development Group, Fukushima Restoration & Revitalization Headquarters for Great East Japan Earthquake



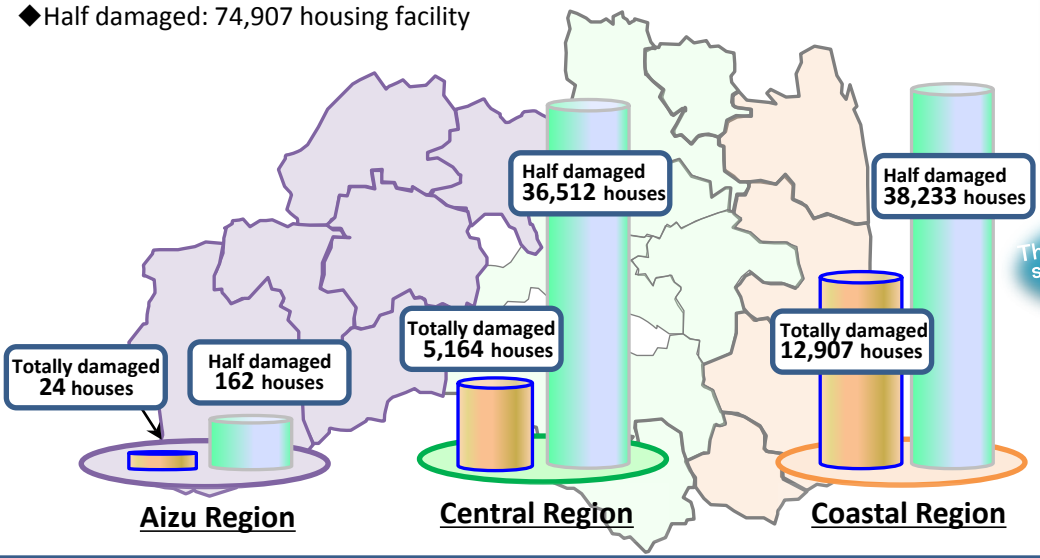
Seismic center and intensity (Data released by the Meteorological Agency)

Status of housing damage by region

<Damage status> As of April 23, 2015

◆Totally damaged: 18,095 housing facility

◆Half damaged: 74,907 housing facility



Status of housing damage (Ukedo District, Namie Town)

Status of housing damage (Fushiogami, Fukushima City)

Disaster status in Fukushima Prefecture② (Situation of evacuation)

Evacuees of the prefecture numbered 116,284 as of March 2015, down from 164,865 recorded in May 2012, showing a gradual increase in the number of returnees. Yet, still many citizens remain forced to evacuate from their hometown. Currently, there are about 69,000 evacuees residing inside the prefecture, and evacuees outside the prefecture are estimated to be about 47,000.

Areas to which evacuation orders have been issued in the wake of nuclear disaster

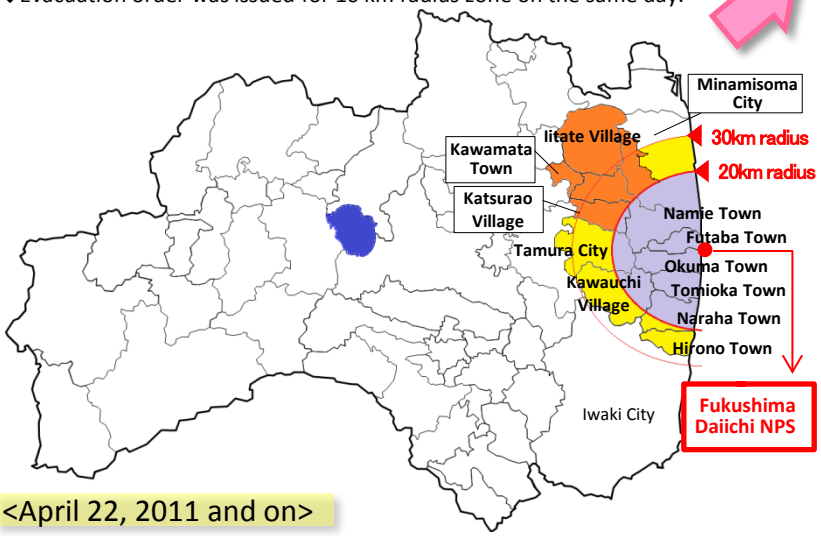
Areas where it is expected that residents will face difficulties in returning for a long time	Area where the radiation levels are so high that protective measures including installation of barricades are taken, and citizens are forced to evacuate.
Areas in which residents are not permitted to live	Areas where decontamination work is being implemented and infrastructure in urgent need of restoration is intended to be restored so that citizens will be able to return and rebuild their community in the future.
Areas to which evacuation orders are ready to be lifted	Area where support measures for restoration and revitalization are quickly implemented and the environment is intended to be improved so that citizens can return.

<March 11, 2011>

◆Evacuation order was issued for 3 km radius zone from the Daiichi NPS.
◆On the same day, indoor evacuation was issued for 10 km radius zone.

<March 12, 2011>

◆Evacuation order was issued for 10 km radius zone from the Daiichi NPS.
◆On the same day evacuation order was issued for 20 km radius zone.
◆Evacuation order was issued for 3 km radius zone from the Daini NPS.
◆Evacuation order was issued for 10 km radius zone on the same day.

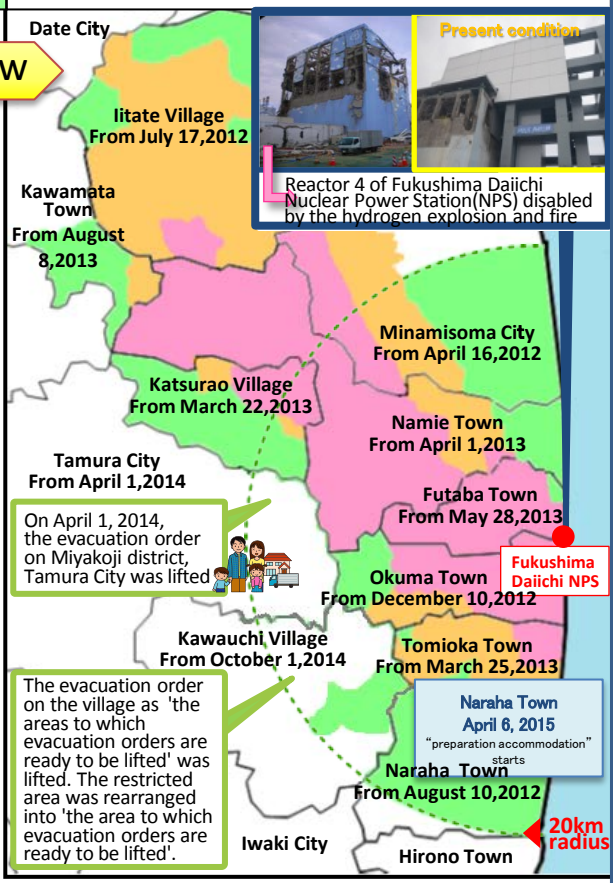


<April 22, 2011 and on>

■Evacuation-designated areas (Restricted areas)
■Deliberate evacuation areas
■Emergency evacuation preparation areas
(The order was lifted on September 30, 2011)

※Part of Date City, Minami Soma City and Kawauchi Village are designated as specific spots recommended for evacuation.

Now

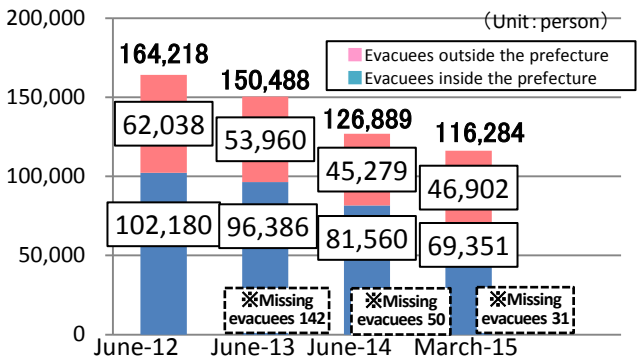


Reactor 4 of Fukushima Daiichi Nuclear Power Station(NPS) disabled by the hydrogen explosion and fire

※Dates in parentheses show days when the evacuation orders were rearranged for the areas to which evacuation orders have been issued.

Transition of evacuees and population in Fukushima Prefecture

【Source】Data released by the Fukushima Prefecture



【Reference】Situation of child evacuees (evacuees below 18 years old)

(Unit:person)			2012 As of October 1 (A)	2013 As of October 1 (B)	2014 As of October 1 (C)	Change (C)－(A)
Number of evacuees below 18 years old			30,968	27,617	24,873	▲6,095
Place of evacuation	Inside the Prefecture	Inside the municipality their homes are located in	3,307	3,226	2,813	▲1,561
		Outside the municipality their homes are located in	10,691	10,242	9,624	
	Outside the Prefecture		16,970	14,149	12,436	▲4,534

Transit in population in Fukushima Prefecture	Number of households	Population	Population by age				(Unit:person)
			Young population Aged 0 to 14	Productive population Aged 15 to 64	Elderly population Aged 65 or older	Elderly population Aged 75 or older	Age unknown
March 1, 2011(A)	721,535	2,024,401	274,322	1,235,833	502,160	275,465	12,086
March 1, 2015(B)	729,978	1,932,392	239,517	1,141,051	539,738	285,088	12,086
Change (A)－(B)	8,443	▲ 92,009	▲ 34,805	▲ 94,782	37,578	9,623	0

Reconstruction of the livelihood of disaster-affected citizens

We have developed plans to build “Public housing for revitalization” in order to stabilize residency of evacuees and disaster-affected citizens. In terms of building the public housings for nuclear disaster evacuees, the prefectural government takes initiatives in building 4,890 housings in total.

Reconstruction of housing environment

〈Housing environment of disaster-affected citizens〉

（As of Mach 31, 2015）

Temporary housing units built	**16,607 units (11,866 units already have tenants)**
Housings rented by administrations to support affected citizens	**17,397 units**
Housings reconstructed	**19,159 cases (vs 30,775 application, 62.3% progress)**

Extension of tenancy for evacuees in temporary housing units

We extended the tenancy for evacuees in temporary housing units for one extra year until March 2016, which will have been 5 years in total.

〈Developmental situation of Public Housing for Revitalization〉

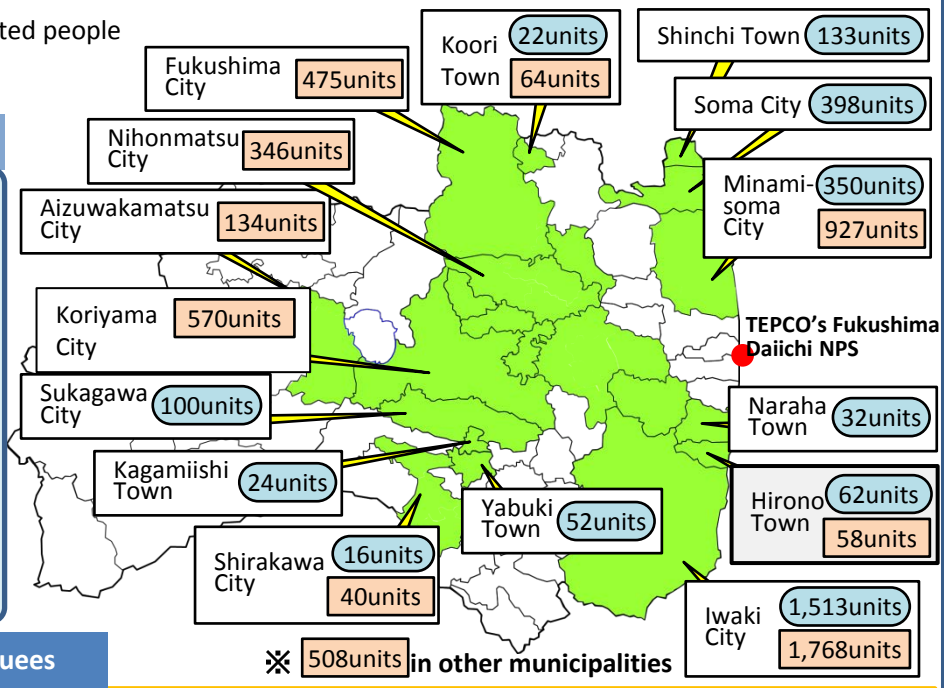
（As of Mach 31, 2015）

classification	units planned	units completed
For earthquake and tsunami affected people	Total of 2,702 units will be built by 11 municipalities.	**1,617 units**
For nuclear disaster evacuees	In total 4,890 housings will be built by the Prefectural Government.	**509 units**

For earthquake and tsunami affected people

For nuclear disaster evacuees

※Numbers show units to be constructed



A high school was opened in the disaster affected area

Futaba Future School Opens !

On April 8,2015, a new public school opened as a 6−year secondary education school in Hirono Town. The school is aimed to become a symbol of revitalization of the prefecture through its own curriculum to grow human resources who will contribute to global and future society.

Carefully thought-out support for evacuees

【Taking care of evacuees】

We have assigned 270 life support counselors at 28 Social Welfare Councils in municipalities of the prefecture. They are taking care of elderly people and supporting evacuees living in temporary housing units. （As of April 1,2015）

【Provision of information to evacuees】

We send public information magazines and digest versions of local papers to evacuees as well as publish “The paper featuring the current Fukushima” that include information of measures for revitalization of the prefecture, exchange sessions and other support activities. They are offered in cooperation with municipalities and NPOs located in and out of the prefecture.

【Implementation of a free expressway service】

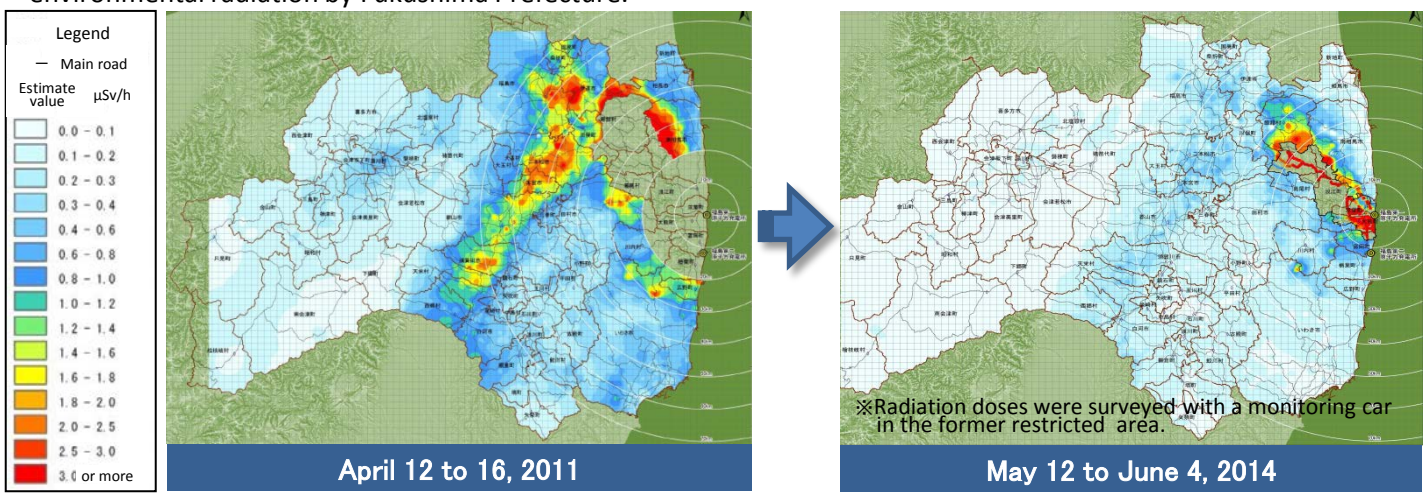
We extended the term for the free expressway service for evacuees from evacuation areas and voluntary mother-child evacuees, to March 31, 2016.

Environmental restoration

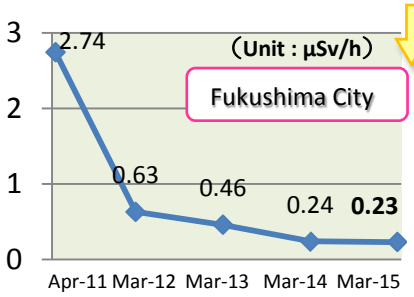
Air radiation doses in the prefecture have sharply decreased compared with April, 2011.
Regarding the progress of decontamination, steady progress is expected on the grounds that the order placements for decontamination of housing are getting on track.

Transition of air radiation dose in Fukushima Prefecture

◆Radiation dose level map covering the whole area of the prefecture based on the monitoring mesh survey of environmental radiation by Fukushima Prefecture.



◆Transition of measurements



	Fukushima City	Aizu-wakamatsu City	Iwaki City
before the disaster	0.04	0.04～0.05	0.05～0.06
Apr-11	2.74	0.24	0.66
Mar-12	0.63	0.1	0.17
Mar-13	0.46	0.07	0.09
Mar-14	0.24	0.07	0.08
Mar-15	**0.23**	0.06	0.07

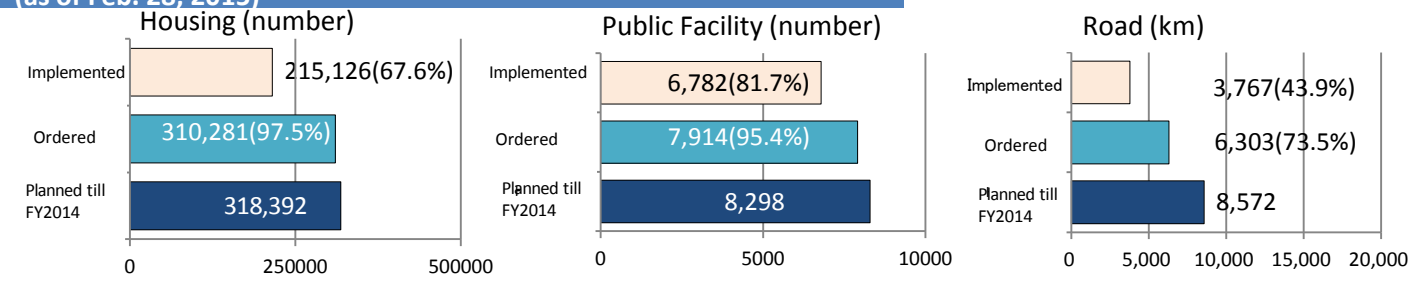
【Source】Fukushima Prefecture Disaster Response Headquarters (provisional value)

≪Reference≫

- Seoul, South Korea **0.09μSv/h** (As of Nov.18,2012)
- Beijing, China **0.10μSv/h** (As of Nov.6,2011)
- Munich, Germany **0.12μSv/h** (As of Dec.21,2012)
- New York, America **0.06μSv/h** (As of Jan.27,2013)

<Map of radiation measurements in the world >
Shown on home page of the prefectural government, releasing results of measurements in major cities in the world

Decontamination Progress in Intensive Contamination Survey Area (as of Feb. 28, 2015)

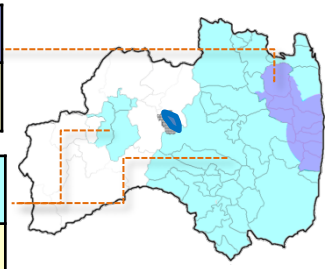


<Special Decontamination Area>

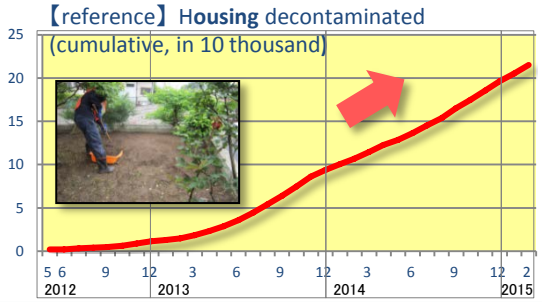
The national government plans and conducts decontamination in 11 municipalities.

<Intensive Contamination Survey Area>

Each municipality plans and does decontamination work. The prefecture's 39 municipalities are designated.



【reference】**Housing** decontaminated (cumulative, in 10 thousand)



Disaster Waste Disposal

◆Status of Disaster Waste disposal (As of February, 2015) (unit: 1,000 tons)

	Amount estimated to be generated	Amount estimated to be carried into temporary storage sites	Amount disposed of
Coastal region	2, 344	2, 067 （ 88. 2%）	1, 556 （ 66. 4%）
Central region	1, 042	1, 040 （ 99. 8%）	1, 040 （ 99. 8%）
Aizu region	19	19 （100. 0%）	19 （100. 0%）
Total	3, 405	3, 126 （ 91. 8%）	2, 615 （ 76. 8%）

◆Storage situation of contaminated waste

	Storage amount (tons)
Sewage sludge	75, 700 (As of Sep. 20,2013) → 54, 400 (As of Mar,2015)
Incineration ash (General waste)	56, 698 (As of July 31,2012) → 210, 200 (As of Mar,2015)

As export of sludge was delayed due to the disaster, storage amount increased in the warehouse.
Situation has been getting better, we are at work on finding places to store it and reducing the sludge itself.

Interim Storage facility

◆Transportation of excavated soil and other wastes into the Interim Storage Facility started. (March 13, 2015)

Pilot transportation of excavated soil and other wastes into the Interim Storage Facility started. A large volume of soil and waste generated from decontamination work is still kept in temporary storage sites and housing premises and school yards in Fukushima Prefecture. It is a pressing issue for us to remove them at the earliest possible time for restoration and revitalization of Fukushima. Ahead of full-scale transportation for a large volume of excavated soil and other waste, the pilot transportation will be implemented for about one year by confirming and verifying each process related to removal, transportation and unloading work to secure safe and reliable transportation.

Establishment of research centers for environmental recovery

◆Fukushima Prefectural Center for Environmental Creation (Minami soma, Miharu)

We are developing research centers to help quickly restore the radio-contaminated environment and create an environment where citizens can live with peace of mind over the future.

Minamisoma City

functions : monitoring and security surveillance

Place	Minamisoma City
Completion	To be in service in 2015

Miharu Town

Place	Miharu Town (Tamura West Industrial Park)
Completion	To be in service in 2015 - 2016

Cooperation with IAEA

We are proceeding with 9 projects in cooperation with International Atomic Energy Agency(IAEA), such as examination of decontamination technology for rivers, lakes and ponds, and research of transfer of radioactive substances in wild animals.

Situation of restoration and development of social infrastructure

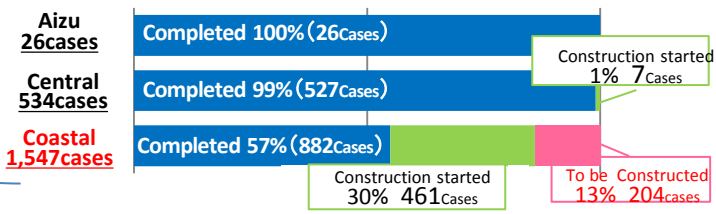
Construction for restoration started in 90% of the disaster-affected public works facilities, and 68% of them completed in the restoration work. We have been making efforts for the earliest completion of the restoration work and enhancement of infrastructure including roads in the tsunami-affected areas to ensure safety and user-confidence.

Progress, by site

(As of February 28, 2015)

Construction site of public works facilities for restoration from the disaster	Number of sites to be assesses (sites intended for restoration work)	Number of sites for construction	Rate of construction(%)	Number of completion	Rate of completion(%)
Total	2,107	1,903	90%	1,435	68%
River and sand erosion control	273	257	94%	212	78%
Coast	156	129	83%	26	17%
Road and bridge	771	738	96%	659	85%
Port and harbors	332	302	91%	253	76%
Fishing port	478	378	79%	188	39%
Sewage	3	3	100%	3	100%
Park and urban facility	5	5	100%	5	100%
Public housing	89	89	100%	89	100%

Progress, by Region

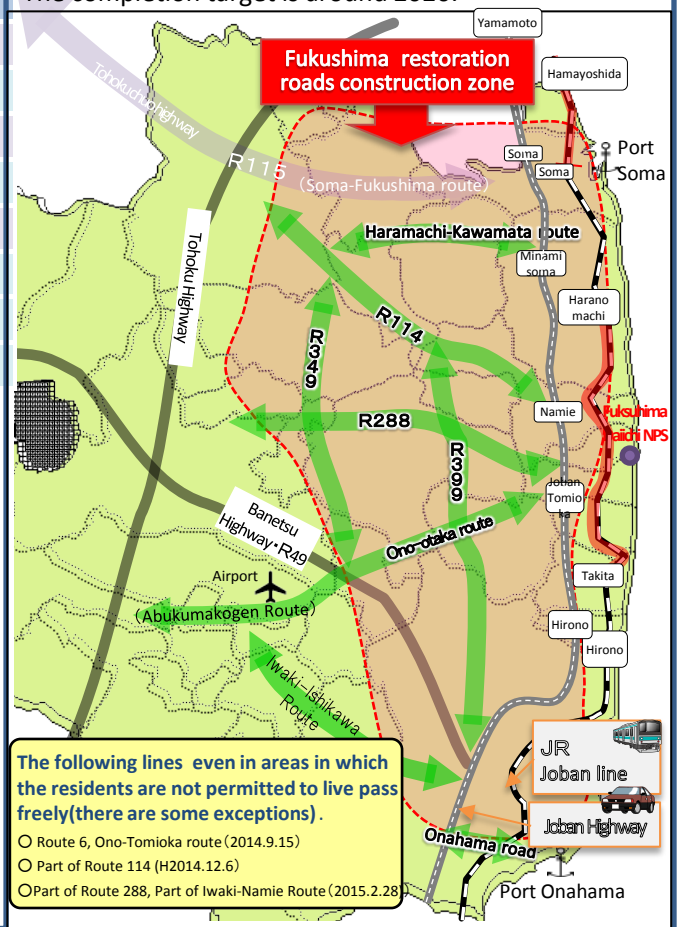


Disaster assessment of 'the areas to which evacuation orders are ready to be lifted' has been completed. On the other hand, assessments for the 'restricted areas' and 'areas where residents have difficulties in returning home for a long time' are yet to be finished, and will be conducted in coordination with decontamination being conducted by the national government.

Number of sites to be assesses (sites intended for restoration work)	Number of sites for construction	Rate of Construction	Number of completion	Rate of Completion
326	208	64%	96	29%

New roads for restoration are under construction

We push forward of construction for 8 main lines to promote restoration of evacuation areas. They will enhance the convenience in traffic from Coastal area. The completion target is around 2020.



The following lines even in areas in which the residents are not permitted to live pass freely(there are some exceptions).

- ○ Route 6, Ono-Tomioka route(2014.9.15)
- ○ Part of Route 114 (H2014.12.6)
- ○ Part of Route 288, Part of Iwaki-Namie Route(2015.2.28)

Joban Expressway Fully Opens on March 1

Due to the nuclear power accident, the construction work for the 300.4 km long Joban Expressway was delayed, but on March 1, the entire route was completely opened.


Ribbon cutting ceremony

JR Joban Line

- ・Hirono–Tatsuta Sta. (June 2014)
- ・Soma–Hamayoshida (projected in Spring 2017)

substitute by bas

- ・Soma～Watari Sta. April 2011
- ・Tatsuta～Haranomachi Sta(Jan 2015

Agricultural and other facilities	Progress rate	Situation of restoration and revitalization/Damage status	
Farmland (Ratio of area available for resumption of agricultural management)	**29.9%** (June,2014)	Area of farmland available for resumption of agricultural management	1,630ha
		Area of farmland affected by tsunami following the Great East Japan Earthquake (Including old Restricted Area)	5,460ha
Agricultural management bodies (Resumption status of management) ※including partially resumed bodies	**60.9%** (March,2014)	Management body that resumed agricultural management	10,500Management body
		Management body affected by the Great East Japan Earthquake	17,200Management body
Fishery management bodies (Situation of operational resumption)	**24.5%** (March,2014)	Management body that resumed fishing operation (including test fishing).	181Management body
		Management body affected by the Great East Japan Earthquake	740Management body
Restoration construction of farmland and agricultural facilities	**83.4%** (Mar,2015)	District for which construction get started	2,468District
		District for which assessment is completed	2,958District

Health of citizens

We are conducting "Fukushima Health Management Survey" for follow-up observation of mental and physical health of citizens, maintenance and improvement of citizens' in the future to come, estimating their exposure dose and examining thyroid gland.

Fukushima Health Survey

Basic survey

Citizens residing in the prefecture as of March 11, 2011 (2,055,383 persons)

Self-administered questionnaires: 27.0%
(As of December 31,2014)
(554,241 respondents against 2,055,383 subjects)

＜Results of estimate on external exposure dose＞
【All citizens surveyed】Ratio of dose from 0 to 2mSv accounts for 93.9% of all.
※Estimate of external exposure dose for the 4 months from the nuclear accident (March-July2011)

Thyroid gland inspections

Citizens aged 18 or younger at the time of the disaster (About 380,000 persons)

＜Primary inspections＞(FY2011 to FY2013)

Inspection to confirm the present situation of children who aged 18 or younger at the time of the disaster, about 298,000 were examined as of December 31,2014.

＜Full-scale inspection＞(starting FY2014)

The second inspection for the comparison with the primary inspection. The subjects will include infants born till April 1, 2012. The inspection will be conducted every 2 years with the subjects to the age of 20, and after 20 it will take place every 5 years.

(As of December 31, 2014)

Judgement Result		Judgement Contents	Primary inspection number of examinees	Primary inspection portion	Full-scale inspection number of examinees	Full-scale inspection portion
Judgment A	(A1)	No node or cyst was observed.	153,017	99.2%	31,789	99.2%
	(A2)	Node smaller than 5.0 mm or cyst smaller than 20 mm was observed.	141,778		42,911	
Judgment B		Node larger than 5.1 mm or cyst larger than 20.1 mm was observed.	2,250	0.8%	611	0.8%
Judgment C		Judging from the conditions of thyroid gland, the examinee is immediately required to take a secondary inspection.	1	0.0%	0	0.0%

Primary inspections

・Judgments A 1 and A2 require follow-up till the next (after 2014) inspection.
・Judgments B and C require the secondary inspection. (Common in the advanced examination and full-scale examination)
・Though a person's condition is diagnosed as being within the Judgment A2, he/she is determined to be the Judgment B if the condition of thyroid gland seems to be in need of the secondary inspection. (Common in the advanced examination and full-scale examination)
・In the secondary examination (2,010 examinees confirmed the results) 110 examinees were found to be malignant or suspicious malignant. (87 had operation: 1 with benign node, 83with papillary cancer and 3 with poorly differentiated cancer)

Full-scale inspection

・Judgments A 1 and A2 require follow-up till the next inspection. (after 2016)
・In the secondary examination (results were confirmed for 262 examinees), 8 examinees were found to be malignant or suspicious malignant. (1 had operation: 1 with papillary cancer)

【Reference】
Results of survey for findings on thyroid glands over three prefectures other than Fukushima Prefecture

Surveyed in three cities in Japan
Hirosaki City, Aomori Pref.
Kofu City, Yamanashi Pref.
Nagasaki City, Nagasaki Pref.

Persons surveyed
Aged 3 to 18: 4,365 examinees

Results of survey
【A1】1,853examinees (42.5%)
【A2】2,468examinees (56.5%)
【B】 44examinees (1.0%)
【C】 0examinees (0.0%)

＜Source＞
Data released to press by the Ministry of the Environment

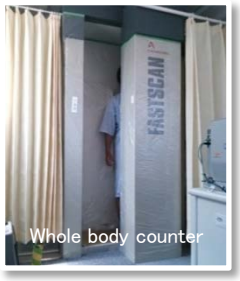
Internal exposure inspections using whole body counters

Cumulative number of examinees (June 2011 - February 2015) 245,417 examinees

【Results of inspection】
Committed effective dose (internal exposure dose radiated within the body throughout one's lifetime)

Below 1mSv	1mSv	2mSv	3mSv
245,391 examinees	14 examinees	10 examinees	2 examinees

※The Fukushima Prefectural Government now conducts inspection using 22 whole body counters (As of March, 2015)



Whole body counter

No charge for medical fee for citizens aged 18 or younger

Medical fees for citizens aged 18 or younger have become free of charge since October, 2012 after extending the eligible age for medical subsidy. It is a project to support child-raising by creating an environment that protects children's health where one can give birth and raise children with peace of mind.

Development of a hub for cutting-edge radiological research and medical care

We are developing a hub for cutting edge radiological research and medical care in order to protect health of citizens over the future.

Fukushima Global Medical Science Center

Groundbreaking (May 2014)


Image

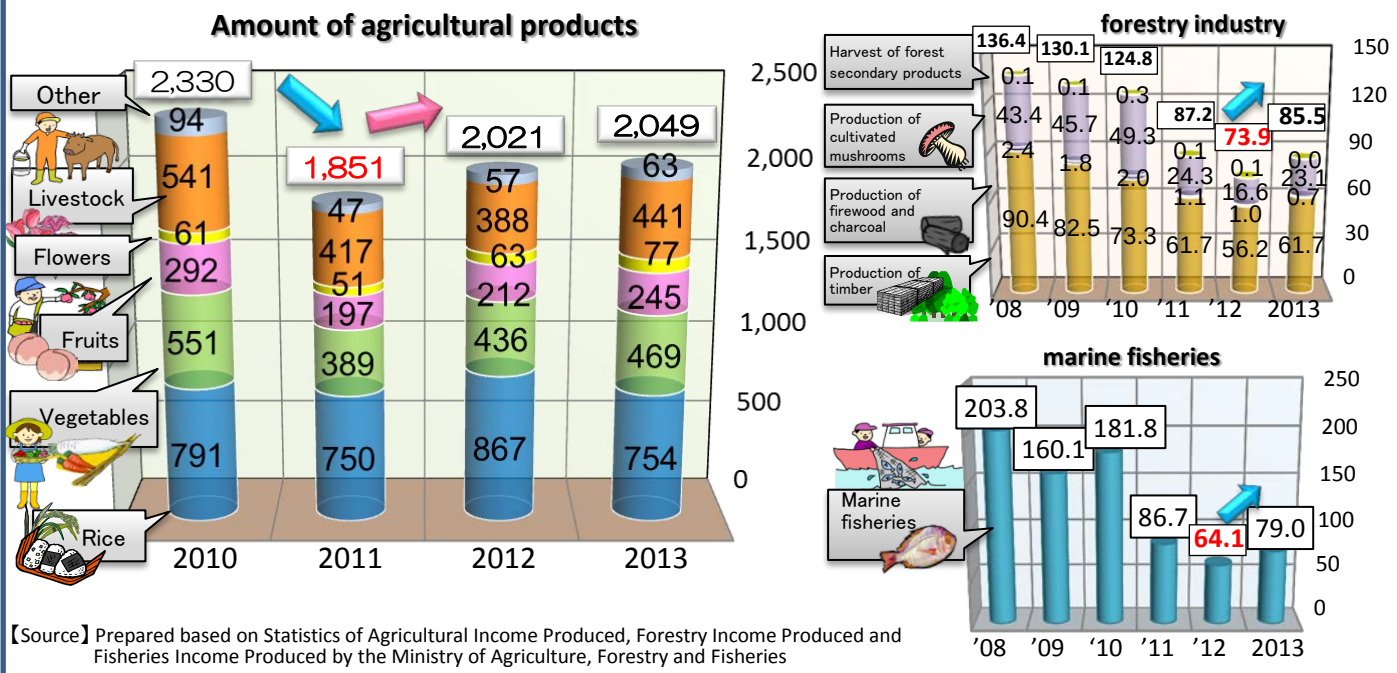
【Five functions】
1. Radiology and health care center for citizens of the prefecture
2. Cutting-edge clinical study center
3. Cutting-edge medical treatment section
4. Education and personnel training section
5. R&D center to act as a bridge between medical care and industry

Place	Fukushima City (Fukushima Medical University)
Completion	To be in service in 2016

Situation of the agricultural, forestry and fishery industries

Production volume of the agricultural, forestry and fishery industries was sharply declined by the disaster. order to help reconstruct disaster-affected citizens' livelihoods, we have been making the utmost efforts to proceed measures for the rehabilitation and to promote measures for dissemination of attractions as well as the safety and security of the products.

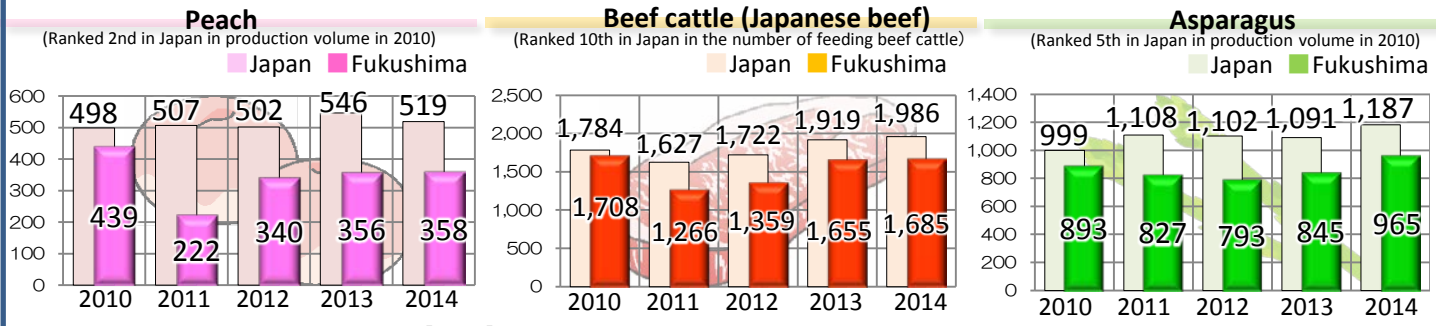
Transition in the amounts of agricultural products produced in the prefecture (Unit: 100 million yen)



【Source】Prepared based on Statistics of Agricultural Income Produced, Forestry Income Produced and Fisheries Income Produced by the Ministry of Agriculture, Forestry and Fisheries

Transition of the price of main agricultural products ~Agricultural products, representing Fukushima Prefecture~

(Unit : yen/kg)



【Source】Market statistics on website of Tokyo Central Market

Public relations for products that primary industries produced in the prefecture

We are conducting PR activities to promote the attractions, safety and security of primary industry products in order to dispel harmful rumors.

'Challenge Fukushima': sales promotion of primary industry's products

We release information about attractions of Fukushima's rich nature and its blessings , and also safety managements in Fukushima through various media and seminars. This year, we are in EXPO MILANO 2015 Japan Pavilion to convey a real New Fukushima to overseas.

Fukushima Hall "MIDETTE" at Nihonbashi

We operates MIDETTE in Nihonbashi, in the center of Tokyo as a base station of Fukushima information toward the metropolitan area , in order to dispel harmful rumors and recover the image of the prefecture .

Measures for food safety and security

In order to prevent food containing radioactive materials over the standards from distributing in the market, we have intensified an inspection system as well as decontaminating farmland to confirm the safety. Particularly, for rice which is a staple food for us, we inspect all rice grains in all bags being produced and shipped in the whole area of the prefecture. The rice bags that satisfied the standards have labels of inspection certificate on them. Furthermore, we instruct inspection technology on the voluntary inspection being held by the fishery cooperative association to safely distribute sea food caught in the test fishing. Also, we consult with producers and distributors concerning establishment of effective inspection system.

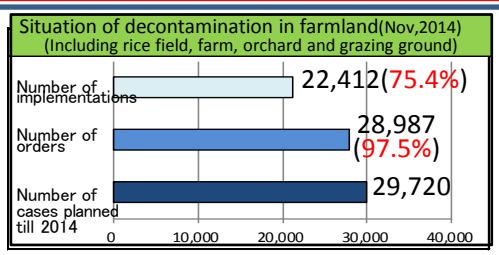
Decontamination of farmland


scraping off surface soil


Reverse the surface soil with subsoil

Reverse plowing


Cleaning of tree bark



Monitoring of agricultural, forestry and fisheries products in the prefecture

Primary products produced in the prefecture are all obligated to undergo inspections before being shipped. Any product exceeding the reference level is banned from shipment by municipality item by item. Therefore, the primary products being distributed are confirmed to be safe.

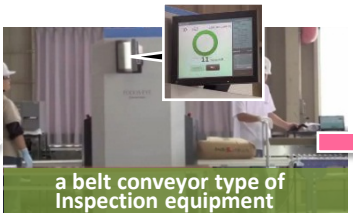
※April 2014-March 2015 (※for "Brown rice" , August 2014 –March 2015)

Inspection on all rice in all rice bags

Primary industry products	Number of inspections	Proportion of samples exceeding the reference level (Number)	(%)
Brown rice	10,980,000	0	0.00%
Vegetables & Fruits	5,850	0	0.00%
Livestock product (raw milk, meat and chicken eggs)	4,867	0	0.00%
Mountain plants & Mushrooms (including wild mushrooms)	1,564	25	1.60%
Marine products	9,688	75	0.77%

Nil !

◆We inspect every bag of rice throughout the prefecture


a belt conveyor type of Inspection equipment

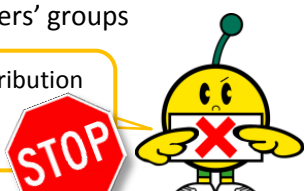
A label as a proof that the bag passed the inspection

All rice bags containing polished brown rice has a sticker on it so one can confirm it passed the inspection.

◆Subsidies for introduction of inspection equipment in producers' groups


Non Destructive Inspection equipment of the dried Ampo persimmons

We do not allow distribution of foods exceeding the reference level !



Website of Fukushima "Shinhatsubai" or "Release of new products"

http://www.new-fukushima.jp/

◆Test fishing in fishery industry

Coastal fishing and trawl fishing of the prefecture were forced to voluntary ban their fishing operation. Some fish species were confirmed to be safe after monitoring 20,000 or more items. They are conducting test fishing on those fish species. As of January 28, 2015, **58 species** were set out for the test fishing.


Catch landing through test fishing


Measuring and retreatment of fish body


Inspection of radioactive cesium

For fish products to be sold by test fishing, the prefectural government voluntarily set stricter standards than the national ones for the inspection of radioactive materials.
→Voluntary standards **50Bq/kg** (National standards; 100Bq/kg)

Reference level for Radio cesium contained in food

(Unit :Bq /kg)

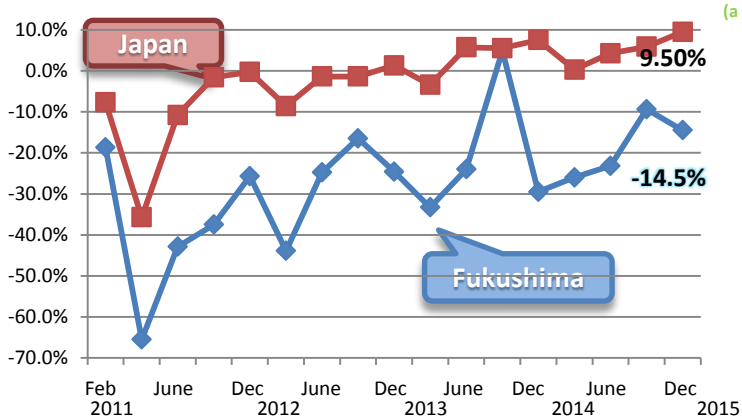
New reference level (from April,2012)	
General food	100
Milk	50
Infant food	50
Drinking water	10

Recovery of the tourism industry

We see recovery of tourism going on thanks to a history TV drama "Yae's Cheery blossoms" broadcasted in 2013. We will proactively promote measures to attract tourists, such as Fukushima Destination Campaign which is jointly held with JR this year.

Transit of the number of guests (guest night) who stayed in the tourists' accommodation

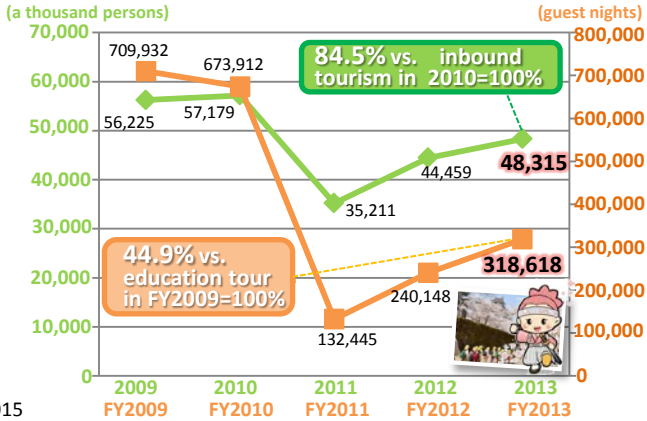
◆Comparison of guest nights on year-to-year basis
(After March, 2012, compared to the same month in 2010)



※"Tourists' accommodation" is a facility whose guests with sightseeing purpose accounted for over 50% of all guests.

【Source】Japan Tourism Agency The Survey of Tourist Accommodation
Tourism Promotion Bureau, Fukushima Prefectural Government

◆Situation of inbound tourism and education tour in Fukushima Prefecture



【Source】Fukushima Pref. Tourism Promotion Bureau

Various events are accelerating the recovery of the tourism industry

■Tsurugajo Castle
The tourists who visited Aizu Wakamatsu City reached 3.95million in 2013 which is a record high.

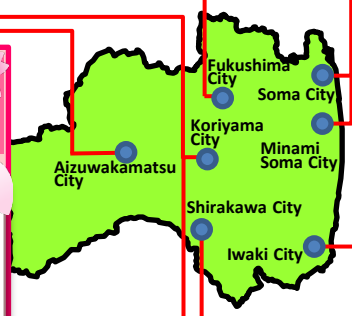
■B1 Grand Prix in Koriyama
Took place on October, 2014. We had 453,000 visitors. The annual 2 day event was held in a city of Fukushima Pref. to show support to Tohoku region, gathering 59 groups which were revitalizing local areas across the country.

■ RockCorps
Held in 2014 for the first time in Asia. This is a project to promote social contribution with the help of power of music. It allows volunteers having 4-hour volunteer activities to join a concert.

■ Soma Nomaoi
This is an annual event with warriors on the horseback which has been passed down for 1,000 years, and was resumed in July, 2012, just one year after the disaster.

"Destination Campaign(DC)"

- Fukushima Pre-DC: April to June,2014
- FukushimaDC: April to June,2015
- Fukushima after-DC: April to June,2016

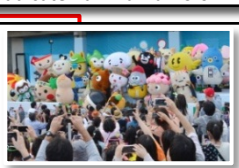


■The Seventh Pacific Islands Leaders Meeting (PALM7)
It is to take place in Iwaki City in May 2015, is expected to improve international recognition, to increase the number of visitors, and eradicate harmful rumors.

Festival of regions 2014 (Taking place on October 4 and 5, 2014)

20 groups took part in the event and showed long-preserved folk arts. Some were from the coastal area where groups had hard time passing down the traditional performance due to the evacuation of successors after the Great East Japan Earthquake and the ensuing accident at the TEPCO Fukushima Daiichi Nuclear Power Station.

■Tokyo Girls Collection in Fukushima 2014
Held in April, 2014, cheerful smiles and power of youths gave energy to Fukushima.



■Kodomo Yume Fest in Shirakawa
This year, it is to take place on June 06-07. Over 150 mascot characters will get together from all around the country.

Promotion of industries and employment creation

Constructions of additional industrial facilities are sharply increasing in the prefecture. We will take further steps towards the recovery of the industries along with employment creation through supports such as investment subsidy.

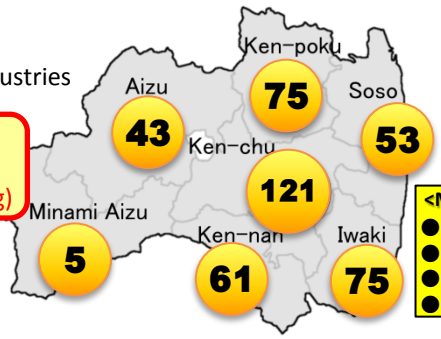
Support for business investment

◆ Fukushima business investment subsidy for revitalization of industries **433 companies** have been designated. (As of March, 2015)

Supporting companies planning to build new or additional facilities in order to expand production scale and help employment creation.

total subsidy sum: about 196.9 billion yen (upto 7th of public offering)

Expected to create 4,987 jobs



<Main designated industries>
- Transportation machines
- Semiconductors
- Medical welfare devices
- Renewable energy, etc

◆Subsidy to business investment for employment creation in the tsunami and nuclear disaster-affected areas.

This system encourages companies that will newly or additional build plants in order to enhance industrial revitalization in the devastated areas by the tsunami and nuclear disaster for creation of new employment and economic ripple effect.

Companies that are based in Fukushima Prefecture for business operation
Cumulative total of adopted companies by the first to the third public offerings.

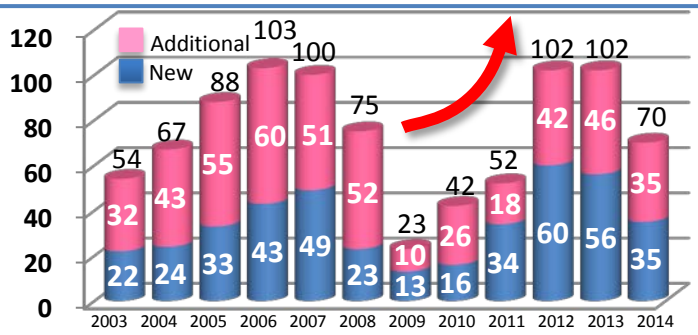
183 companies
Total sum of adoption **(about 80.9 billion yen)**

< Sharp increase of new and additional construction of facilities in the prefecture >

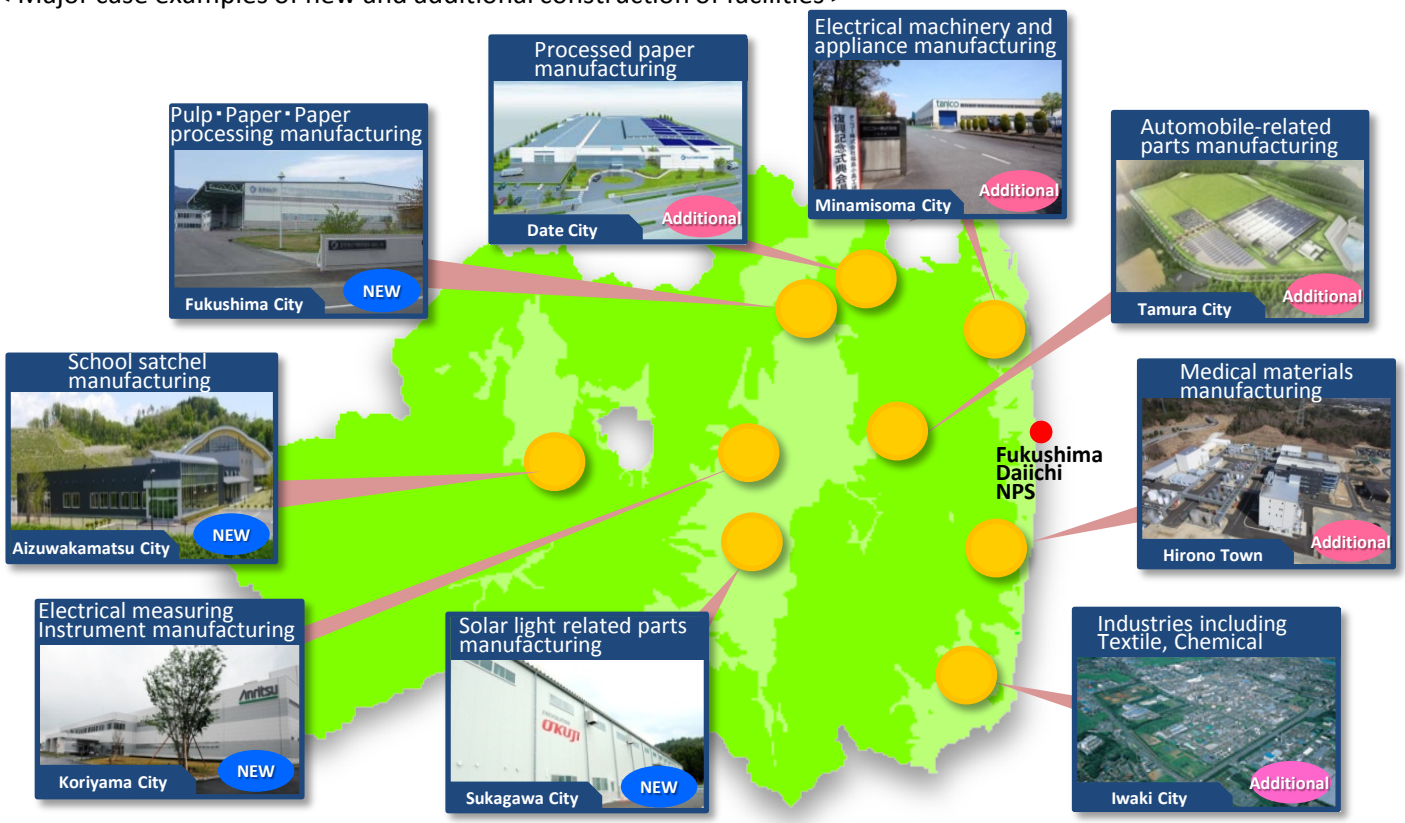
Situation of new and additional construction for plants (sites over 1,000 ㎡ in area) in Fukushima Prefecture.

※Number of reported establishments based upon the Fukushima Industrial Development Ordinance.

【Source】Researched by the Commerce, Industry and Labor Department, Fukushima Prefectural Government



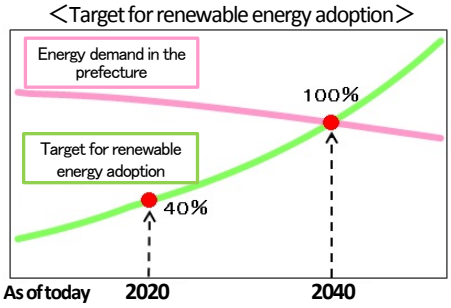
< Major case examples of new and additional construction of facilities >



Development of hubs for research & development and industrial creation

For the revitalization and recovery of Fukushima Prefecture, we are in need of advanced measures that just surpass restoring the prefecture to the state it was before the disaster.

Promotion of renewable energy



The prefecture upholds a target to produce renewable energy to cover 100 % of energy demand in the prefecture by 2040. For that, we will increase adoption of renewable energies as well as cluster and grow relevant industries by developing hubs.

Revival of Fukushima, Renewable Energy Industrial Fair (REIF Fukushima) 2015 (to be held on October 28,29)

Collaboration with internationally advanced regions


MOU Pref. Governor and Danish Ambassador

Fukushima Prefectural Government has concluded MOU with the Ministry of Environment in NRW State (Nordrhein-Westfalen , Germany) and Embassy of Denmark for collaboration in the fields of renewable energy and energy saving. By utilizing advanced findings in both regions related to these fields, we will make efforts to adapt renewables and accumulate related industry in the prefecture.

Collaboration with NRW State, Germany and Denmark

Fukushima Renewable Energy Research & Development Center


Photo: Provided by AIST

The National Institute of Advanced Science and Technology (AIST) established a research and development center for renewable energy, which was in operation in 2014.

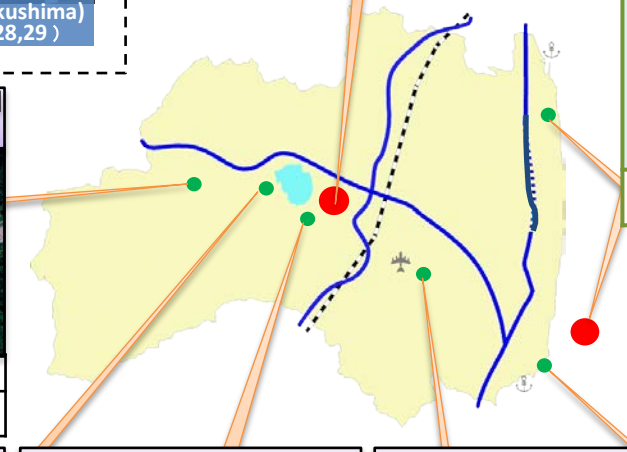
Place	Koriyama City (Koriyama West No.2 Industrial Park)

Demonstrative and research project of offshore floating wind farm technology

Photo: Provided by Fukushima Offshore Wind Consortium

The Floating Offshore Wind Farm System, to verify the safety, reliability and economic efficiency .
We aim to form hubs for R&D and test activities , and build a wind power industry cluster.
[1st stage] In November 2013, operation began of a 2,000 kW floating wind power station and an offshore floating substation for the 1st stage.
[2nd stage] 2014-2015,two 7,000 kW floating wind power stations scheduled to be set up.

Place	Off the coast of Hirono Town and Naraha Town



Yanaizu Nishiyama Geothermal Power Station


Yanaizu Town
Provided by Tohoku Electric Power Company

Output	65,000 kW
Construction Status	Operating

Coastal Area Mega Solar Power Project

Place	Minami Soma City
Output	70,000 kW
Construction Status	Operation planned to start in 2017

Green Energy Aizu, Biomass Power Station


Aizuwakamatsu City
Provided by Green Energy Aizu

Output	5,700 kW
Construction Status	Operating

Koriyama-Nunobiki Kogen Wind Farm


Koriyama City
Provided by J-POWER Electric Power Development Co., Ltd.

Output	65,980 kW
Construction Status	Operating

Fukushima Airport Mega Solar


Sukagawa City
Using a fund from citizens in the prefecture

Output	1,191 kW
Construction Status	Operating

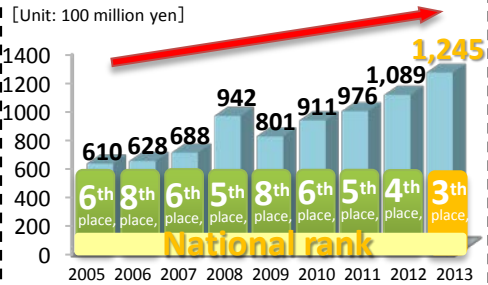
Onahama Solar Power Project


Iwaki City
Image
Provided by Mitsubishi Corporation

Output	18,400 kW
Construction Status	Operating

Promotion of industrial development and environmental creation

＜Production volume of medical devices＞



Fukushima Prefecture has been one of the top production areas for medical devices and parts even before the disaster. In the coming years, we will enhance industrial concentration for promotion of industries and employment.

Production volume of medical devices in 2013	124.5 billion yen (**3th** place in Japan)
Outsourced production volume of medical devices in 2013	35.2 billion yen (**1st** place in Japan)
Production volume of parts for medical equipment in 2012	13.3 billion yen (**1st** place in Japan)

The prefectural government is promoting business exchange in the field of medical devices with the Minister of Economic Affairs, Energy and Industry, NRW, Germany. Both parties signed MOU on September 1, 2014. It will help transmit profound technology of companies in the prefecture to the German State as well as promote various exchange including joint research by medical and research institutions of both sides. We are expecting that there will be further development in the medical device industry.

Collaboration with internationally advanced area International Cooperation with German state North Rhine-Westphalia (NRW)

World Fair

We set up a Fukushima booth in MEDICA, the world's largest medical device trade fair in order to transmit excellent technologies owned by companies in the prefecture to the rest of the world.

【 MEDICA/COMPAMED 】

Medical device and technology trade fair is held in Dusseldorf in Germany in every November.
About 130.000 medical workers, buyers and manufacturers are projected to get together for negotiation sessions.

Radiation Medical Science Center

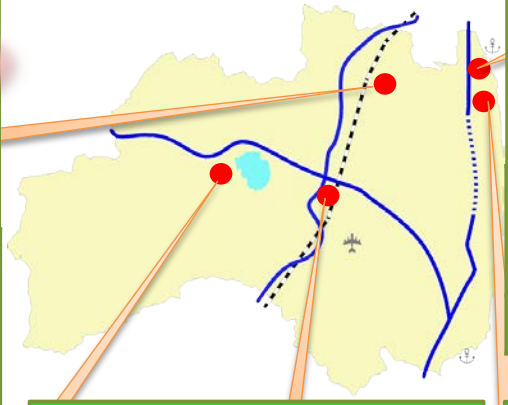
We are developing a hub to promote drug discovery of new therapeutic drugs, diagnostic drugs and reagents mainly for the treatment of cancer, which will be a bridge between medical and industrial fields.
To be in service in FY 2016.

Place	Fukushima City (Fukushima Medical University)

Aizu University Revitalization Support Center (Advanced ICT Laboratory)

The prefectural government is working towards the accumulation of companies responsible for regional industrial promotion using ICT, along with the fostering of workforce as well as developing a hub R&D center in order to create a new ICT industry.
To be in service in 2015.

Place	Aizuwakamatsu City (Aizu University)

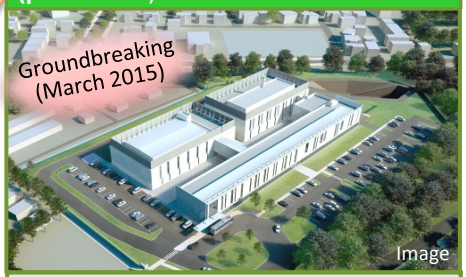


Research and Production facility for fish farming

We are restoring and maintaining a hub for research and study for the promotion of fishing industries in the prefecture.
Aiming to open in FY 2017

Place	Soma City

Fukushima Development and Safety Assessment of Medical Devices Center (provisional)



The center will be established to provide overall support for the development and commercialization of medical devices, such as safety assessment using large animals and implementation of the training of medical personnel for machine operation.

Intended to open in FY 2016.

Place	Koriyama City (Site of the former Agricultural Test Center)

Coastal Region Agricultural Rehabilitation Research Center (tentative)

The prefecture is developing a research center for resumption of agricultural management and rehabilitation of agriculture in evacuation areas.
The center is to open in FY 2015.

Place	Minamisoma City (Kaibama New Sports Square)

Three basic concepts of revitalization plan

○Building a safe, secure and sustainable society free from nuclear power.
○Revitalization that brings together everyone who loves and cares about Fukushima.
○A homeland we can all be proud of once again.

(Excerpt from Plan for Revitalization in Fukushima formulated in December, 2011)

Priority Projects

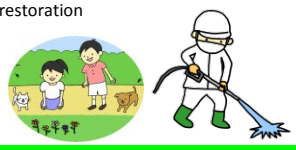
For depopulation and ageing society

Easing of effects of depopulation and ageing
Curbing of outflow of population outside the prefecture
Measures for recovery of birth rate

Living with peace of mind : decontamination and health control, etc.

Environmental restoration

Development of facilities providing research functions including promotion of decontamination securing of food safety, disposal of waste and environmental restoration



Assistance for rebuilding livelihoods

Assistance for evacuees inside and outside the prefecture, measures for returning of evacuees to their homes, rebuilding of livelihoods after returning, development of hubs for livelihoods of long-term evacuees, and assistance for long-term evacuees

Protecting the physical and mental health of citizens

Maintenance and promotion of citizens' health, reconstruction of regional medical services, development of systems providing cutting edge medical service and mental care for the disaster affected residents

Raising and supporting our children and young people, who are our future

Development of the best environment in Japan for people to give birth and raise children, human resources who remain viable, and workforces who are responsible for the future industry

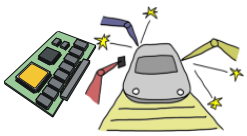
Work in your hometown : promotion of industries and employment creation, etc

Primary industry revival

Measures to provide safety and peace of mind, recovery of agricultural, forestry and fisheries industries and response for reorganization of designated areas

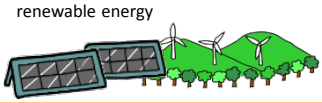
SMEs revitalization

Vitalization of SMEs in the prefecture, promotion of business investment, creation of new businesses that lead the new era, and response for reorganization of designated areas



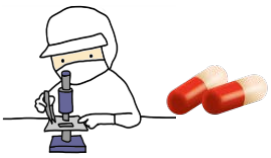
Promotion of renewable energy

Expansion in the adoption of renewable energy, cooperation with R&D hubs, attraction of relevant industries, assistance for entry and transactions of industries in the prefecture, promotion of local production and local consumption of renewable energy



Medical industry cluster

Clustering of medical and welfare devices and development of drug discovery hubs



Rebuild towns, connect people : building bonds and revitalizing towns, etc.

Building bonds in Fukushima

Building bonds between evacuees inside and outside the prefecture and our supporters release of measures for revitalization and information, and maintenance of bonds with evacuees

Tourism exchange in Fukushima

Promotion of tourism and various exchanges, such as tourism revitalization campaign and recovery of education tour

Revitalizing towns, such as tsunami-affected area

Improvement of comprehensive anti-disaster measures, reviewing of regional plans for disaster prevention, raising of citizens and regions with high anti-disaster awareness, reorganization of land usage, planning and implementation of town-building for revitalization

Prefectural network infrastructure

Investment in early restoration of Hama-dori's (Coastal Region) "axis" road and life-supporting roads; building of a prefectural road network and infrastructure to support revitalization of logistics and tourism, early restoration of JR Joban line and Tadami line, building of extended cooperation and communication systems

The Fukushima Declaration

We have received immeasurable support from people around the nation and the world.
This heartfelt support has greatly helped, inspired, and encouraged the people of Fukushima.
I would like to express my sincere appreciation once again to all our friends.
Thanks to this support and the efforts of the people of Fukushima, we are finally starting to see the first signs of reconstruction in our prefecture too.
I want to see all of us work together and raise these small sprouts into strong plants with our own hands.
Once these sprouts have grown into large trees, I would like to see children gather under them with smiles of delight on their faces.
That is the kind of vibrant Fukushima I would like to create.

1. **We will create once again a beautiful Fukushima.**
2. **We will build a dynamic and vibrant Fukushima.**
3. **We will show the world and pass down to future generations Fukushima's reconstruction process.**

ふくしまから
はじめよう。

Future From Fukushima.

Concept contained in the slogan "Future From Fukushima"

Let each one of us start to step forward toward the revitalization!
And, let new movements start from Fukushima!

Fukushima is fully determined to recover from the great disaster and the nuclear disaster no matter how hard it is.

The process of revitalizing Fukushima will show that it is possible to create a brand new society.

We want to make new waves from Fukushima.
The slogan, "Future From Fukushima" will carry our strong will toward a brighter and more promising future.

New

Fukushima Revitastation
Official website for
Revitalization in Fukushima

http://www.pref.fukushima.lg.jp/site/portal/

Symbol character for revitalization in Fukushima
"Future From Fukushima Kibitan"

Contact: Revitalization & Comprehensive Planning Division
Planning & Coordination Department, Fukushima Prefectural Government
2-16 Sugitsuma-cho, Fukushima City Tel: (+81)-24- 521-1111 (pilot number)
For further details, please see the official website.
Fukushima Prefecture Steps for Revitalization Search