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Outline of Shimokawa Town



- **♦**Ski Jumping
- **◇Fruit tomato, Asparagus,**Wheat
- **♦**Ice Candle
- **♦**Forest culture

- **♦** Population: 3,468
 - (as of Jun. 1st, 2015)
- **♦ Area: 644.2km** (equivalent to total area of 23 wards of Tokyo)
- **♦**Temperature: 30°C in summer,
- -30℃ in winter

- **♦** Forest: 88% of town area
- **♦ Farm land: 6% of town area**
- **♦ Interregional ski jumping** students: 41 (cumulative)
- ♦ "Shimokawa Green"



POINT!

Producing worldclass human resources











Existing Woody Biomass Boilers

















History of Forest Biomass Energy Development

Cyclical Forest Management



1953 Acquired 1,221 ha of national forest

1996-2003 Acquired 1,902ha of



Log processing, distribution, and sale



Regional development through use of forest biomass for heat

1996: structural reform, administrative and financial reform, promotion of decentralization, municipal merger, reduction of tax allocation. Regional economic climate: price decline of crops, decline of purchasing power, etc.

Industry cluster: A strategy for regional economic development. Industries have comparative or competitive advantage formulate new related industries like a cluster of grapes.

1998 Shimokawa industry cluster study group 2001-2003 Regional renewable energy vision



08 "Environmental Model City"

2011 "FutureCity"

2011 "Comprehensive Special

Zone for Regional Revitalization"

2013 "Biomass Industry City"

2014 "Model Case for Regional Revitalization"

17 mil JPY of cost reduction/yr -> Funding -> Replacement of boilers and child care support



2005 Biomass boiler for kindergarten 2007 Biomass boiler for seeding facility

2009 Wood Fuel Manufacturing Facility
2009 Biomass boiler around town office

2009 Pellet boiler for Eco-house

2010 Biomass boiler for aged complex

2010 Pellet boiler for public housings

2012 Biomass boiler for Ichinohashi Bio Village

2013 Biomass boiler for elementary school and hospital

2014 Biomass boiler for junior high school

2014 Heat supply to public housings from town office's biomass boiler

60% of heat supply to public buildings switched to renewable energy

"Industry grows where energy is."



Development of new usag of wood

OWoody biomass energy

OHousing using local wood (environmentally sound model house)

OFSC certification

OPine essential oil

OForest therapy, forest environmental education

OCarbon offset, etc





Small-scale distributed CHP system

Toward Energy selfsufficiency 3

"Industry grows where resource is."



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Evaluations on activities toward "Future Forest City Shimokawa"

National Designations

2008 "Environmental Model City"

"Biomass Town concept"

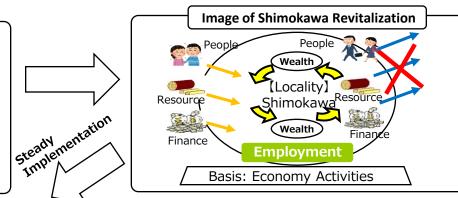
2011 "FutureCity" "Comprehensive Special

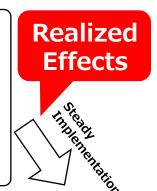
Zone for Regional Revitalization"

2013 "Biomass Industry City"

2014 "Model Case for Regional Revitalization"

2015 "Regional Revitalization Plan"





Demographics

FY	Population -	Natural Dynamics			Social Dynamics			Change from
1 1 1		Birth	Death	Change	In	Out	Change	previous year
2008	3,836	28	63	▲ 35	134	163	▲ 29	▲83
2009	3,772	15	50	▲ 35	124	154	A 30	▲ 64
2010	3,707	16	67	▲ 51	127	142	▲ 15	▲ 65
2011	3,641	13	58	▲ 45	132	136	4	▲ 66
2012	3,592	24	62	▲ 38	147	142	5	▲ 49
2013	3,559	18	71	▲ 53	174	173	1	▲33



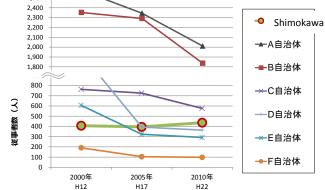


Population decrease continues but slowed down, and social dynamics is changing.

Number of Agriculture & Forestry Workers

Number of Workers in Shimokawa and nearby municipalities

2,600
2,500
2,400
2,300
Shimoka



The Number of the workers in key industries (Agricuture & Forestry) tends to increase in recent years.

(Decrease in nearby municipalities)

Official land price

(as of Jan, 1st, 2015)

Stopped 7 years of decline trend since 2008

Extraordinary among local governments in Hokkaido Experts underlines the local vitality due to biomass energy policy, ski jump facility, etc

Municipal Inhabitant Tax Revenue

	FY2011	FY2013	FY2013/FY2011
Individuals	108,392k JPY	111,402k JPY	2.7% increase
Corporations	10,468k JPY	12,400k JPY	18.4% increase

Regional Revitalization through Energy Self-sufficiency (Future Vision)

