

Japan report of Last year's activity

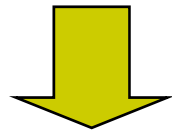
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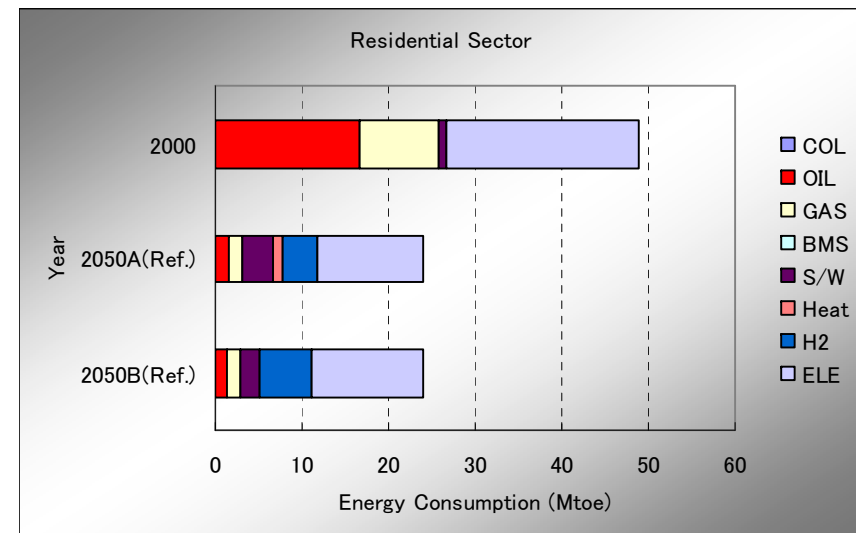
Last year's activity

~Residential sector~

- Community-based life because of becoming compact city
- Advanced information technology (ICT)
- Introduction of efficient equipment (e.g. heat insulating properties)



- Share of H₂ and renewable energy consumption will increase.



Last year's activity

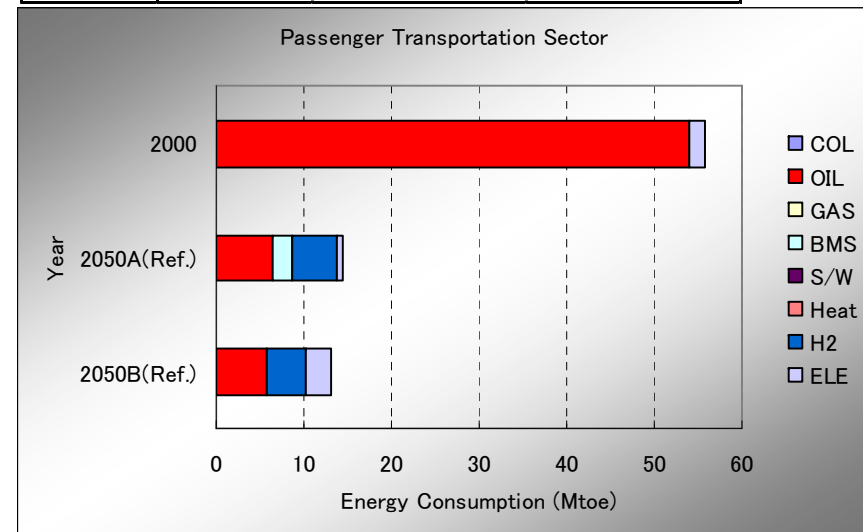
~Transportation sector~

- Rate of public traffic will increase.
 - Car-sharing, LRT, bicycle, and so on
 - H₂ car or electric car will be used.
- ↓
- Energy consumption in passenger transportation quite decrease because people will not use cars much.

Future Transportation Demand

	Unit	Passenger transportation	
		Base Year (2000)	REF
Motorbike	B p-km	6	7
Car	B p-km	870	552
Bus	B p-km	82	94
Railway	B p-km	384	183
Air	B p-km	202	202

	Unit	Freight transportation	
		Base Year (2000)	REF
Car	B t-km	313	309
Railway	B t-km	22	15
Water	B t-km	242	198
Air	B t-km	1	3





Activity for LCSs (Country level)

- Background

Need for reducing 60-80% GHG emissions in Japan, by 2050

- Project (2004~)

“a Sustainable Low-Carbon Society (LCS)”

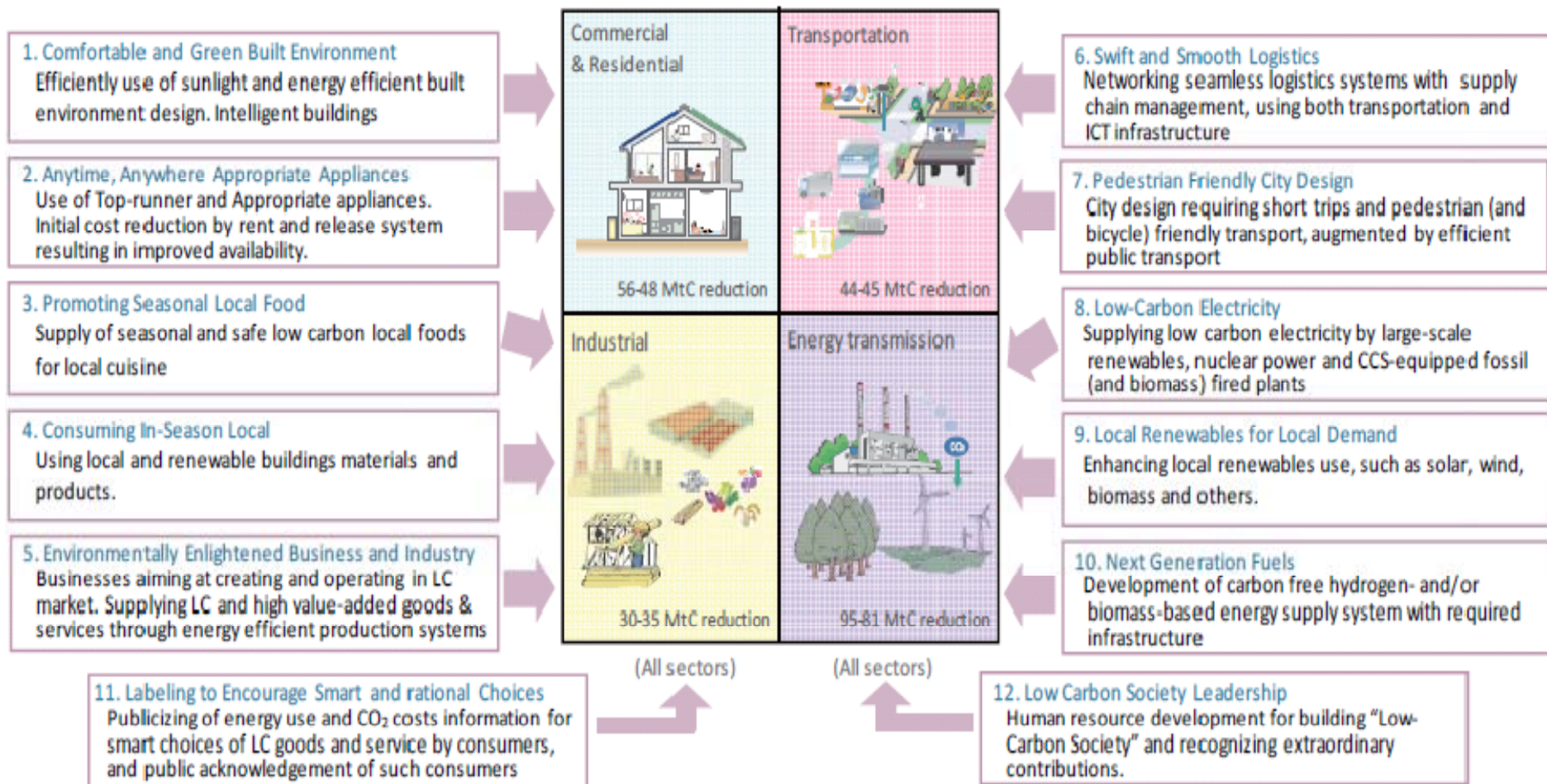


Japan has the technological potential to reduce its CO₂ emissions by 70% compared to the 1990 level by 2050.



A Dosen of Actions

A Dozen of Actions toward LCS



Resource: Japan Scenarios and Actions towards Low-Carbon Societies (LCSs)
 "2050 Japan Low-Carbon Society" scenario team

Activity for LCSs (City level)

- Shiogama city, in Miyagi pref (population 58,000)



Fried fish sausage

⇒waste edible oil (540 thousand litter/yr)



BDF (plant construction, collection of oil ~ production and distribution)

CO2 reduction (1,133t-CO2/yr)



Points for scenario development

- We require consideration of these points
 - take advantage of aging population
 - Keep labor force population
 - Improve living conditions
 - Renewable energy production by utilizing unused land area
 - Need for installation of high-efficiency equipment