

2011 Renewable Energy Experts Meeting
13-14th September, 2011, Tokyo, Japan

Session 1A: Policy

Japan's Energy Shift since March 11th

13th, September, 2011

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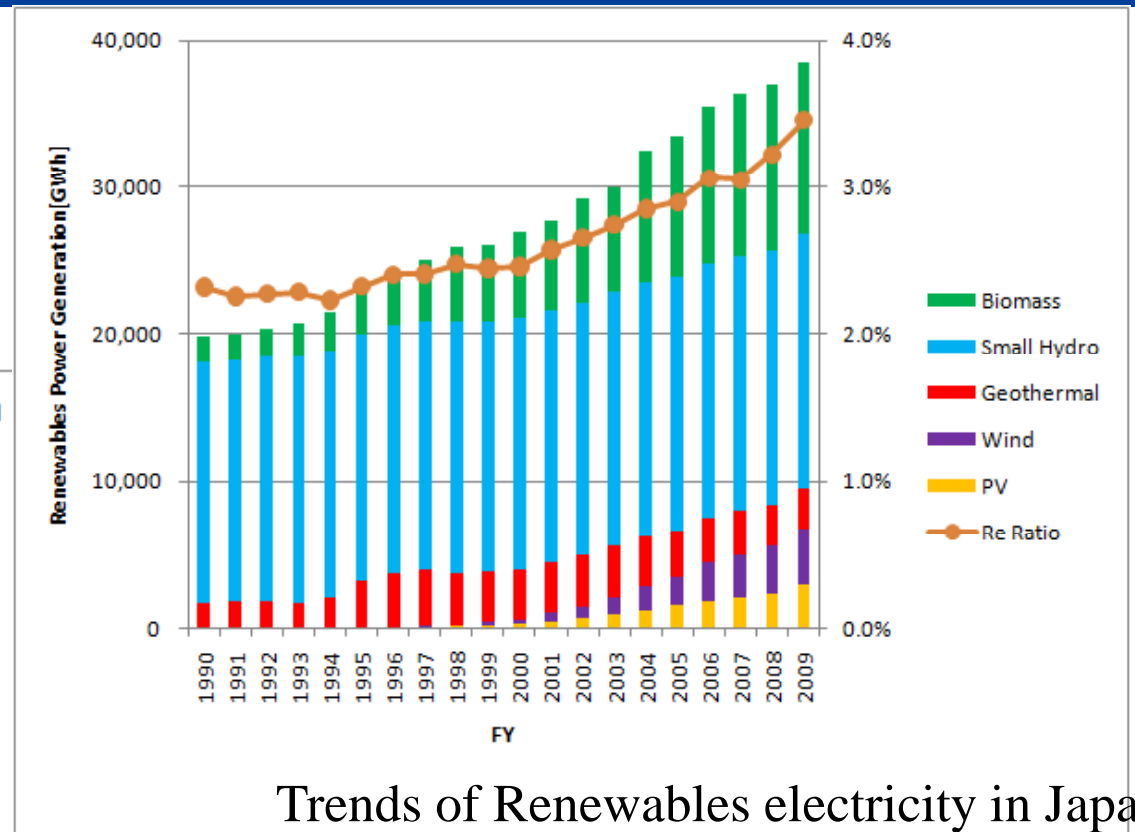
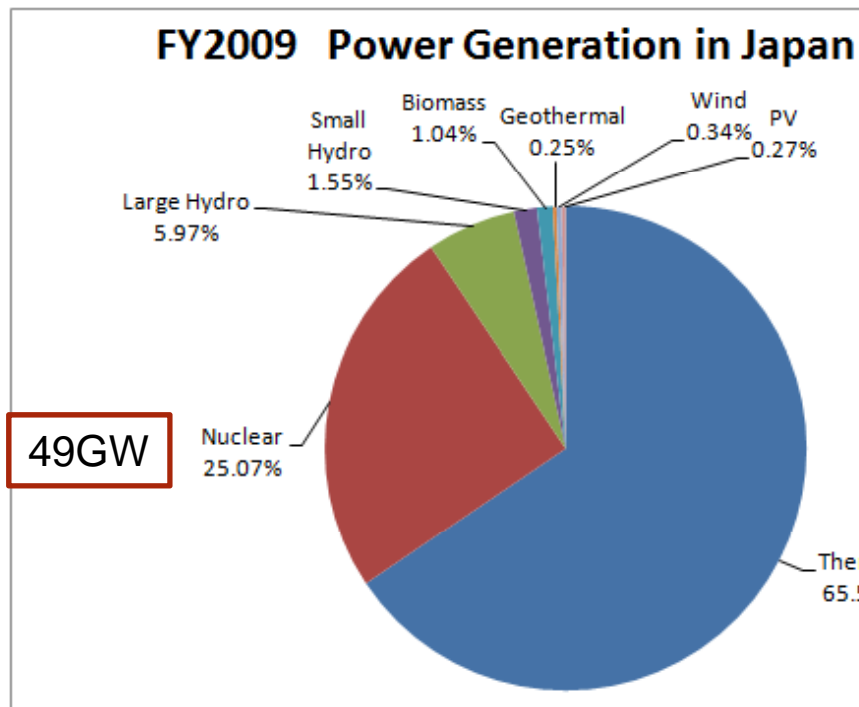
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Renewable Energy in Japan

Right now, Renewable Energy make small contribution to the power generation in Japan, except large hydro power(over 10MW).



Ref: Renewables Japan Status Report 2011

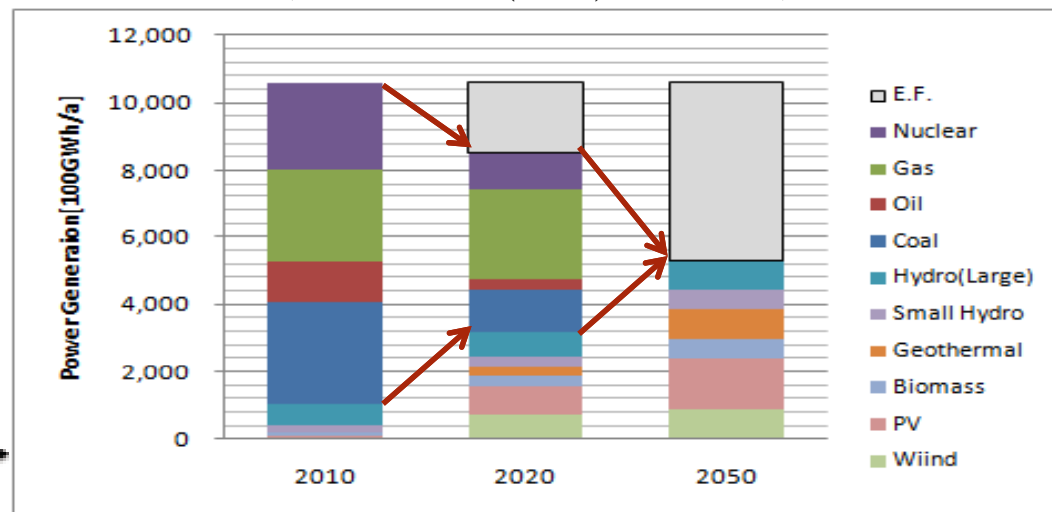
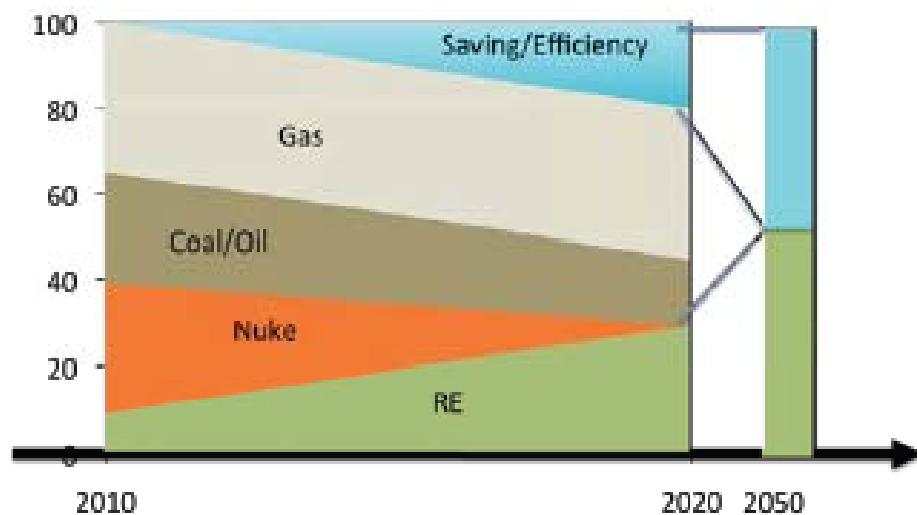
FY2009: 9.4% Renewables in power generation in Japan(including large hydro)

New Strategic electricity scenarios in Japan after Fukushima(3.11)

Proposal by ISEP

37% renewables in electricity by 2020, 100% renewable by 2050: New targets were proposed by ISEP (Japanese government target of renewable electricity is 20% by 2020s, prime minister Kan said the)

Renewables 10% → 30%(37%) → 100%



Ref. ISEP "A report on Japan's Energy Shift since March 11th"

Scenario: Nuke ban by 2020 politically

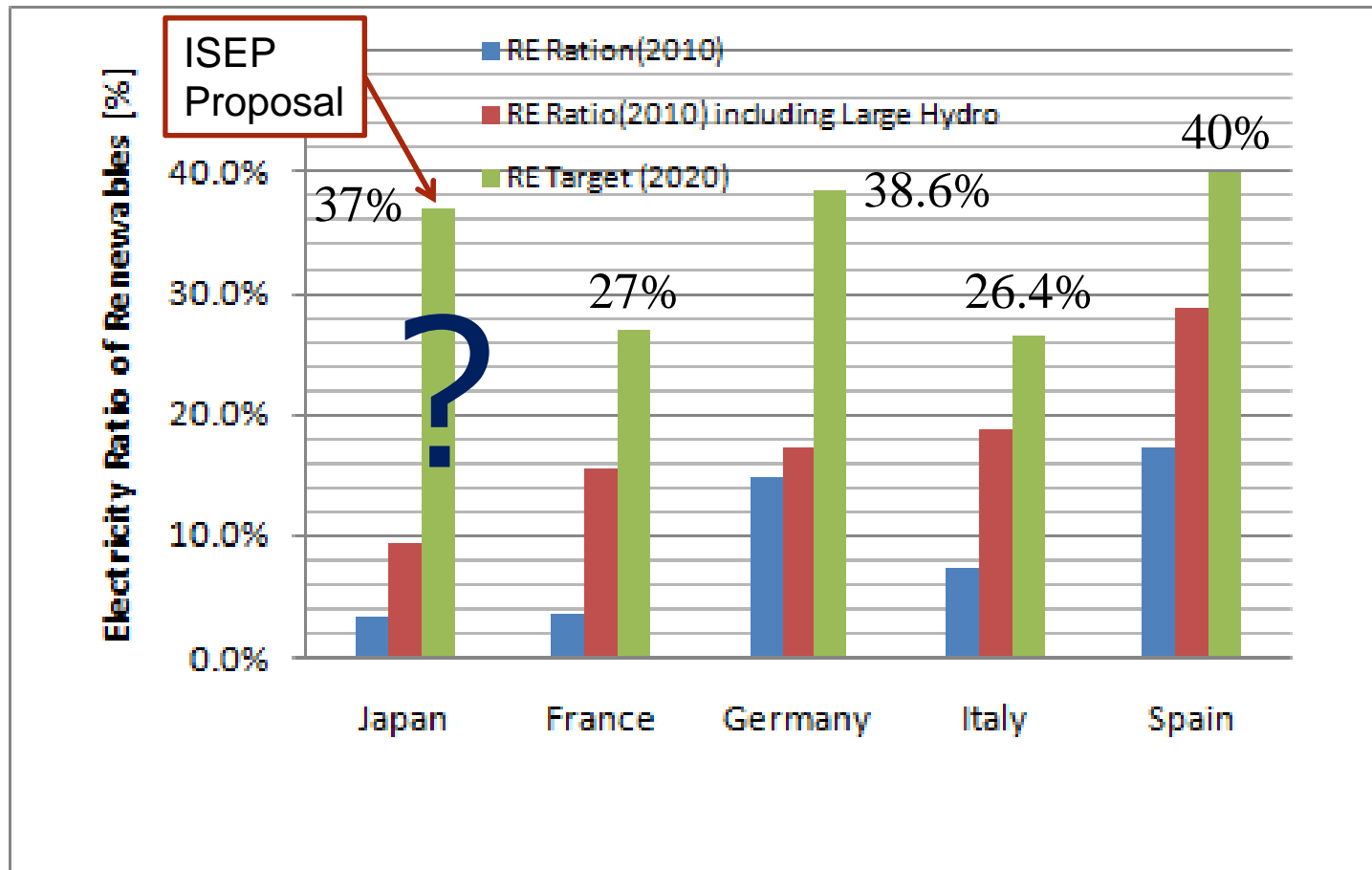
In Japan, rapid Energy Shift must be initiated politically after Fukushima(3.11)

New legislation for FIT to promote all practical renewables such as PV, Wind, Geothermal, Small Hydro and Biomass

	2010	2020	2050	Capacity
Hydro	8.0%	13%	28%	33 GW
Wind	0.4%	8%	17%	50 GW
Solar	0.3%	10%	28%	143 GW
Geothermal	0.3%	3%	16%	12 GW
Biomass	1.1%	4%	11%	8 GW

Target of Renewable Electricity

- Renewable Energy Directive of EU requires each country to submit NREAP
- Japan should be required to declare Renewable Target as high as EU countries.



Ref : NREAP, http://ec.europa.eu/energy/renewables/transparency_platform/action_plan_en.htm