

March 7, 2018
REvision2018

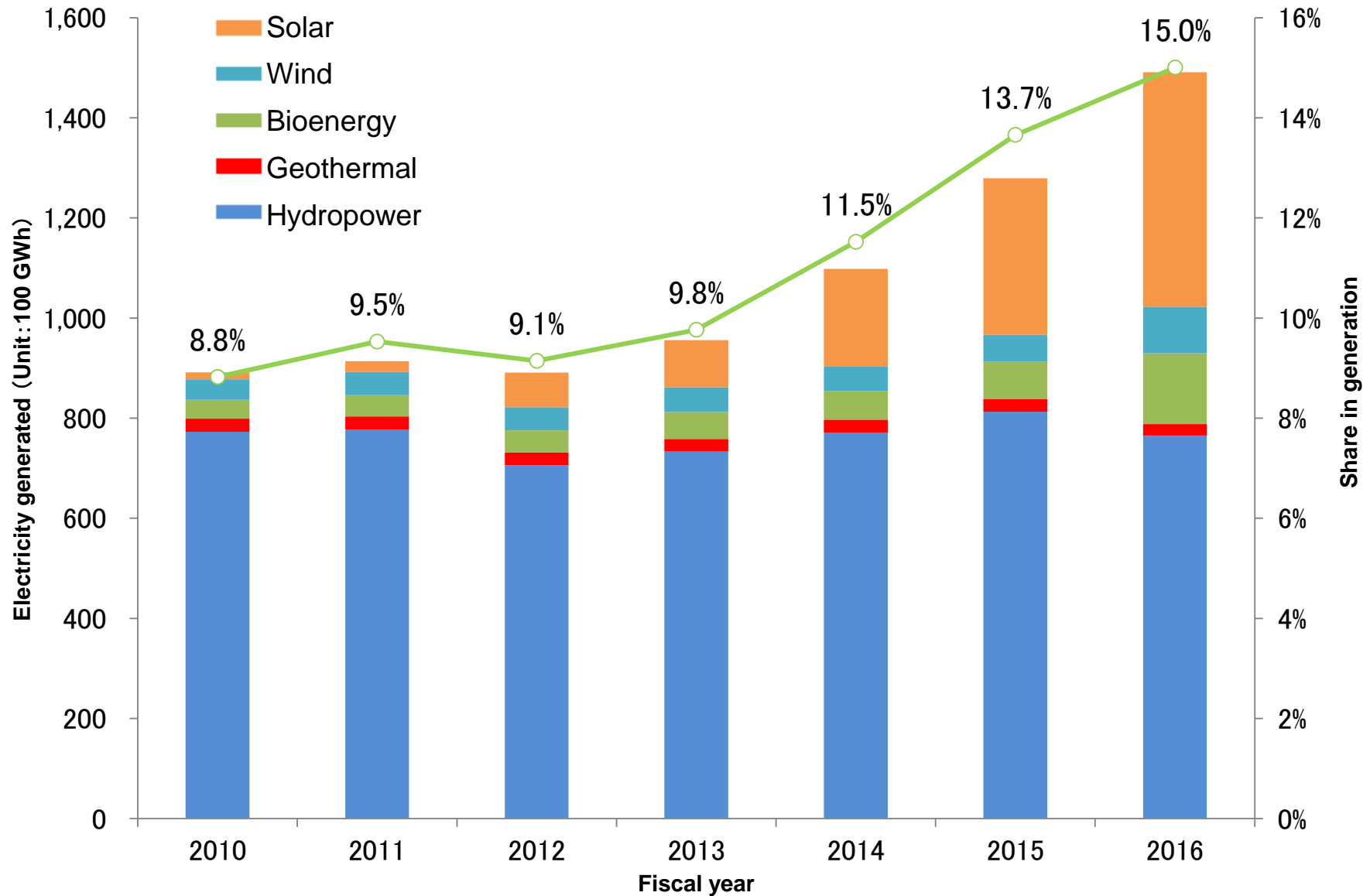
Session 3

Bringing Sun and Wind in Japan

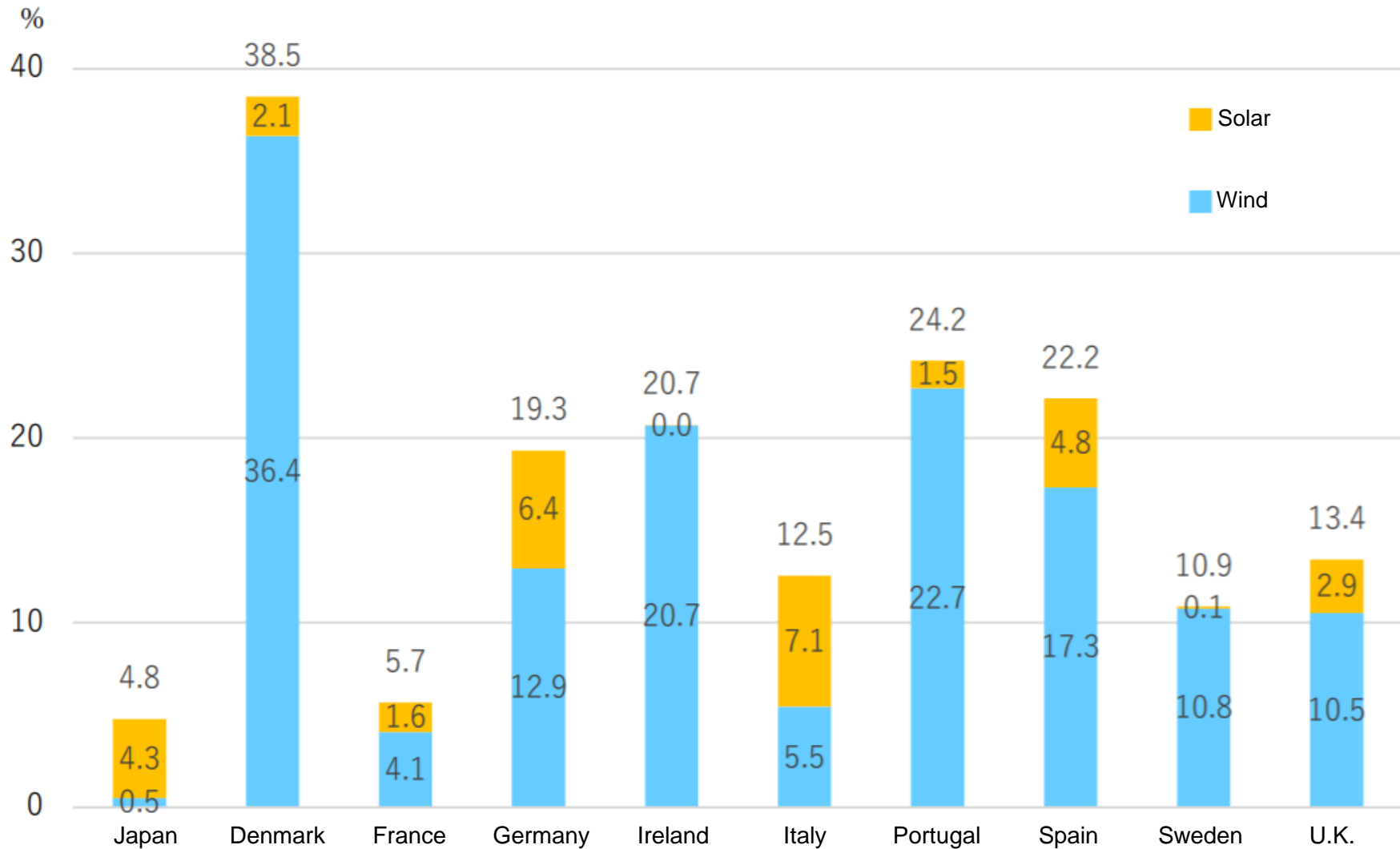


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Trends in electricity generation from RE in Japan



Share of solar and wind power in electricity consumption – European countries and Japan (2016)



Sources: IEA "Electricity Information 2017"

GHG emissions reduction and renewable energy targets

	GHG Emissions 2050 Reduction Target	GHG Emissions 2030 Reduction Target	RE 2030 Target (in electricity)
	From 1990 level		
Germany	80-95%	55%	40-45% by 2025 (50% or more by 2030)
U.K.	≥80%	57% in 2032	30% by 2020
France	75%	40%	40%
EU	80-95%	40%	45%
U.S.	≥80% (from 2005 level)	26-28% (from 2005 and 2025 levels)	California 50% New York 50%
Japan	80% (unknown base year)	18%/25.4% (from 1990 level/ from 2005 level)	22-24%

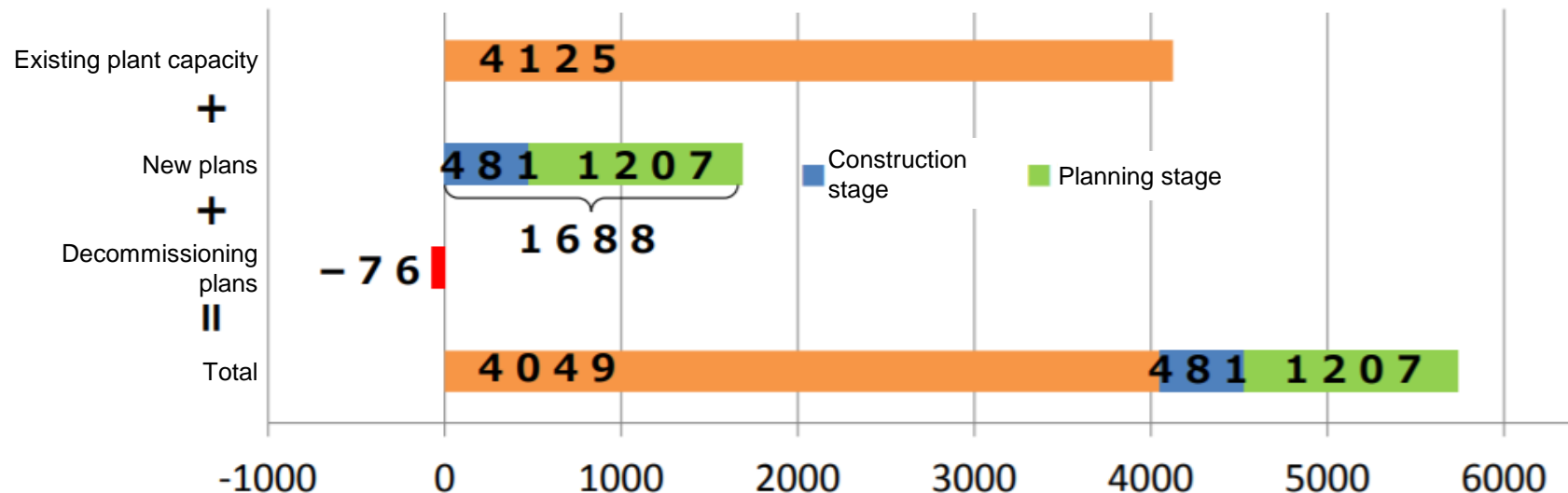
Sources: Ministry of the Environment “Long-term strategy of each country” Dec. 2017, REN21 Global Status Report, etc.

Plans of building 43 new coal-fired power plants in Japan ••

Japan's status of coal-fired power plants

- 30% in electricity generation by coal-fired power plants in FY2016
- Target of 26% for coal in electricity generation for FY2030 in the Basic Energy Plan
- New plans of 43 plants (approx. 18.90 GW) in progress
- 16.12 GW increase estimated by the government
(new plans - decommissioning plans)

[Installed capacity of existing plants, new plants and of plants to be decommissioned (10 MW)]



Sources: The Agency for Natural Resources and Energy
 "Working group for evaluation criteria regarding thermal power plants
 (The first distributed material for FY2017: The recent status of thermal power plants)"

Companies in Japan will actively promote the utilization of renewable energy.

Renewable Energy Institute's proposal approved by 10 global companies
Proposal for the introduction of "non-fossil value trading market"
(Apr. 2017)

—To promote the utilization of renewable energy by companies—



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